###  February 3, 2025

**CURRICULUM VITAE**

**Name**: Elizabeth J. Kovacs, PhD

**Birthdate, Place:** April 5, 1957, New York City, New York

**Children:** Catherine Ann Kelley, September 27, 1988

**Present Position**: Director, Burn Research

Director, Alcohol Research Program

Professor and Vice Chair of Research

Department of Surgery

Division of GI, Trauma and Endocrine Surgery (GITES)

Research Complex 2, Room 6012

University of Colorado Denver / Anschutz Medical Campus

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**Education**:

1975 - 1978 B.A., Biology, Reed College, Portland, OR

1978 - 1979 Biology, Columbia University, New York, NY

1979 - 1984 PhD, Cell Biology, University of Vermont, Burlington, VT

2009 - 2010 Executive Leadership in Academic Medicine (ELAM) Program for Women, Drexel

 University, Philadelphia, PA, Fellow.

**Research Training**:

1976 Undergraduate Research Assistant: Circadian rhythm of plasma corticosterone. Advisor: Dr. Dorothy T. Krieger, Department of Endocrinology, Mount Sinai School of Medicine, New York, NY

1977 - 1978 Undergraduate thesis: The effects of medial forebrain bundle disruption on the diurnal fluctuation of plasma corticosterone in the rat. Advisor: Dr. Vaughn Critchlow, Department of Anatomy, University of Oregon School of Medicine, Portland, OR

1979 - 1984 Doctoral dissertation: Pulmonary macrophage regulation of mesenchymal cell proliferation following acute lung injury in the rat. Advisor: Dr. Jason Kelley, Cell Biology Program & Department of Medicine, University of Vermont, Burlington, VT

1984 - 1987 Postdoctoral Fellow: Regulation of gene expression in immune cells. Supervisors: Drs. Howard A. Young and Joost J. Oppenheim, Laboratory of Molecular Immunoregulation, Biological Response Modifiers Program, NIH, National Cancer Institute-Frederick Cancer Research and Development Facility, Frederick, MD

**Professional Appointments:**

1987 - 1993 Assistant Professor, Department of Cell Biology, Neurobiology & Anatomy, Loyola University Medical Center, Stritch School of Medicine, Maywood, IL

1988 - 1994 Member of the Graduate Faculty in Molecular Biology, Loyola University Medical Center, Stritch School of Medicine, Maywood, IL

1991 Guest Researcher, National Cancer Institute, Frederick Cancer Research and Development Center, NIH, Frederick, MD

1991 - 2006 Investigator, Burn & Shock Trauma Research Institute, Loyola University Medical Center, Stritch School of Medicine, Maywood, IL

1993 - 1998 Associate Professor with Tenure, Department of Cell Biology, Neurobiology & Anatomy, Loyola University Medical Center, Stritch School of Medicine, Maywood, IL

1996 - 1998 Associate Professor, Department of Surgery, Loyola University Medical Center, Stritch School of Medicine, Maywood, IL

1997 - 1999 Member, Alcohol Research Interest Group, Loyola University Medical Center, Stritch School of Medicine, Maywood, IL

1997 - 1999 Mentor, Illinois Math and Science Academy

1998 - 2000 Mentor, National Youth Leadership Program in Medicine, Chicago, IL

1998 - 2000 Lecturer, Minority Medical Education Program, Robert Wood Johnson Foundation

1998 - 2016 Professor, Department of Cell Biology, Neurobiology & Anatomy, Loyola University Medical Center, Stritch School of Medicine, Maywood, IL

1998 - 2016 Professor, Department of Surgery, Loyola University Medical Center, Stritch School of Medicine, Maywood, IL

1998 - 2016 Member, Immunology & Aging Program, Loyola University Medical Center, Stritch School of Medicine, Maywood, IL

1999 - 2016 Founder and Director, Alcohol Research Program, Loyola University Medical Center, Stritch School of Medicine, Maywood, IL

2006 – 2014 Director of Research, Burn & Shock Trauma Research Institute, Loyola University Medical Center, Stritch School of Medicine, Maywood, IL

2006 - 2016 Vice Chair of Research, Department of Surgery, Loyola University Medical Center, Stritch School of Medicine, Maywood, IL

2007 - 2016 Member, Infectious Diseases and Immunology Institute, Loyola University Medical Center, Stritch School of Medicine, Maywood, IL

2010 - 2016 Professor, Department of Microbiology and Immunology, Loyola University Medical Center, Stritch School of Medicine, Maywood, IL

2012 - 2016 Member, Graduate Faculty, Integrative Cell Biology, Loyola University Chicago, Health Sciences Campus, Stritch School of Medicine, Maywood, IL

2014 - 2016 Co-Director, Burn & Shock Trauma Research Institute, Loyola University Chicago Health Sciences Campus, Stritch School of Medicine, Maywood, IL

2015 Adjoint Professor, Pulmonary Science and Critical Care Medicine, Department of Medicine, University of Colorado School of Medicine, Aurora, CO

2016 - Date Professor, Division of GI, Tumor and Endocrine Surgery, Department of Surgery, University of Colorado School of Medicine, Aurora, CO (Awarded Tenure 2017).

2016 - Date Faculty Member, Immunology Graduate Program, Graduate School, University of Colorado School of Medicine, Aurora, CO

2016 - Date Faculty Member, Medical Scientist Training Program (MSTP), University of Colorado Denver, Aurora, CO

2016 - Date Member, Colorado Clinical and Translational Science Institute (CCTSI), University of Colorado Denver / Anschutz Medical Campus, Aurora, CO

2016 - Date Member, Mucosal Inflammation Program (MIP), University of Colorado Denver, Aurora, CO

2016 - Date Member, Investigations in Metabolism, Aging, Gender and Exercise (IMAGE) Research Group, University of Colorado Denver, Aurora, CO

2017 - Date Director, Alcohol Research Program, University of Colorado Denver, Aurora, CO

2017 - Date Member, GI, Liver and Innate Immunity Program, University of Colorado Denver, Aurora, CO

2021 - Date Faculty Member, Graduate Program in Molecular Biology, University of Colorado Denver, Aurora, CO

2022 - Date Faculty Mentor, Preparation in Interdisciplinary Knowledge to Excel (PIKE- PREP) University of Colorado Denver, Aurora, CO

2022 - Date Member, Gates Center for Regenerative Medicine, University of Colorado Denver, Aurora, CO

2022 - Date Member, Gates Summer Internship Program, Aurora, CO

2023 - Date Vice Chair of Research, Department of Surgery, University of Colorado Denver, Aurora, CO

2024 - Date Member, Steering Committee, CU Center for COMBAT Research, University of Colorado Denver, Aurora CO

**Honors and Professional Awards:**

1981 Recipient Mildred Liner Memorial Scholarship, W. Alton Jones Cell Sci. Center, Lake Placid, NY

1981 - 1984 Graduate Research Fellowship, Department of Medicine, University of Vermont College of Medicine, Burlington, VT

1984 - 1985 Recipient, Goldie Rubin Memorial Award, Foundation for the Advancement of Education in the Sciences, Bethesda, MD

1984 - 1986 Postdoctoral Fellowship, Biological Response Modifiers Program, NCI-Frederick Cancer Research Facility, Frederick, MD (sponsored by The Upjohn Co., Kalamazoo, MI)

1986 - 1987 Recipient Biotechnology Training Fellowship, Biological Response Modifiers Program, Division of Cancer Treatment, NIH, NCI-Frederick Cancer Research Facility, Frederick, MD

1987 Finalist, Young Investigator Award Competition, Reticuloendothelial Society

1990 Finalist, Young Investigator Award, Society for Leukocyte Biology

1991 Finalist, Young Investigator Award, Society for Leukocyte Biology

1992 Nominated for Graduate Faculty Member of the Year

2000 - 2003 Recipient, Illinois Excellence in Academic Medicine Grant

2004 Nominated for Graduate Faculty Member of the Year

2004 - 2006 Recipient, Illinois Excellence in Academic Medicine Grant

2007 - 2010 Recipient, Illinois Excellence in Academic Medicine Grant

2007 Finalist, Vanderbilt Prize in Biomedical Science

2008 - 2009 Recipient, Margaret A. Baima Endowment Fund for Alcohol Research

2008 Recipient, Senior Scientist Award, Loyola University Medical Center

2015 Recipient, Distinguished Service Award, American Association of Immunologists

2017 Recipient, Scientific Achievement Award, Shock Society

2018 Recipient, Honorary Lifetime Achievement Award, Society for Leukocyte Biology

2022 Recipient, Distinguished Graduate Alumni Award, University of Vermont, Larner College

 of Medicine, Burlington, VT

2024 Recipient, Albert T. McManus Burn Microbiology Paper Award, American Burn

 Association, Chicago, IL

2024 Recipient, Distinguished Service Award, Shock Society

2025 Recipient, Legacy Award, Society for Leukocyte Biology

**Grant Review Panels**:

American Federation for Aging Research

* National Scientific Advisory Council, New York, NY, Member 2007 - 2012

National Institutes of Health (NIH)

* Experimental Immunology Study Section, Center for Scientific Review, NIH, Ad Hoc Reviewer 1992
* Experimental Immunology Study Section, Center for Scientific Review, NIH, Charter Member 1993 – 1997
* T32 Institutional Training Grant Applications, National Institute of General Medical Sciences (NIGMS), NIH Member 1997
* National Institute on Aging - B, National Institute on Aging (NIA), NIH, Member 1999
* Program Project and Center Grant Site Visit and Review Panel, National Institute of General Medical Sciences (NIGMS), NIH, Member 1999 – 2001
* Program Project and Center Grant Site Visit and Review Panel, National Institute on Aging (NIA), NIH, Member 1999 – 2002
* Allergy, Immunology, and Transplantation Research Committee, National Institute of Allergy and Infectious Diseases (NIAID), NIH, Ad Hoc Reviewer 2000
* Alcohol and Toxicology Subcommittee 4 (ALTX4) Study Section, Center for Scientific Review, NIH, Charter Member 2000 – 2003
* Special Emphasis Panel, National on Alcohol Abuse and Alcoholism (NIAAA), NIH, ZAA1 DD 24, Chair 2002
* Center Grant Site Visit and Review Panel, National on Alcohol Abuse and Alcoholism (NIAAA), NIH, Member 2003
* Xenobiotic and Nutrient Disposition and Action (XNDA) Special Emphasis Panel Immunology and developmental toxicology, NIH, Chair 2004 – 2005
* Lung Cellular, Molecular, and Immunobiology, Special Emphasis Panel, ZRG1 RES-C (02), NIH, Bethesda, MD, Center for Scientific Review, NIH, Member 2005
* Clinical and Pediatric Loan Repayment (LRP) Scholarships, Special Emphasis Panel/Scientific Review Group 2005/08 ZGM1 BRT-1 (LR), National Institute of General Medical Sciences (NIGMS), NIH, Member 2005 – 2008
* Inflammation and Aging, Special Emphasis Panel, ZAG1 ZIJ-5 M1, NIH, Bethesda, MD, Center for Scientific Review, NIH, Member 2006
* Center Grant Site Visit and Review Panel, National on Alcohol Abuse and Alcoholism (NIAAA), NIH, Member 2007
* Special Emphasis Panel, R03 Applications, National Institute on Arthritis and Musculoskeletal and Skin Diseases (NIAMS), NIH, Member 2007 – 2009
* Special Emphasis Panel, 2008/05 ZRG1 III-B (09) F meeting, Innate Immunity Overflow, Center for Scientific Review, NIH, Member 2008.
* Systemic Injury by Environmental Exposure, 2009/01 ZRG1 DIG-C (90), Center for Scientific Review, NIH, Member 2009
* Center Grant Site Visit and Review Panel, National on Alcohol Abuse and Alcoholism (NIAAA), NIH, Member 2009
* Challenge Grant Applications, Special Emphasis Panel, 2009/10 ZRG1 DKUS-A (58), Center for Scientific Review, NIH, Member 2009
* Cellular Mechanisms in Aging and Development (CMAD) Study Section, Center for Scientific Review, NIH, Ad Hoc Member 2009
* Center Grant Site Visit and Review Panel, National on Alcohol Abuse and Alcoholism (NIAAA), NIH, Member 2010
* Program Project and Center Grant Site Visit and Review Panel, National Institute of General Medical Sciences (NIGMS), NIH, Member 2010
* Clinical and Pediatric Loan Repayment (LRP) Scholarships, Special Emphasis Panel/Scientific Review Group 2005/08 ZGM1 BRT-1 (LR), National Institute of General Medical Sciences (NIGMS), NIH, Member 2011
* Center Grant Site Visit and Review Panel, National on Alcohol Abuse and Alcoholism (NIAAA), NIH, Member 2011
* Program Project and Center Grant Site Visit and Review Panel, National Institute on Aging (NIA), NIH, Member 2012
* Program Project and Center Grant Site Visit and Review Panel, National Institute of General Medical Sciences (NIGMS), NIH, Member 2012
* Immunity in the Elderly Research Grants, Special Emphasis Panel, ZAI1 LAR-I (S1)1 meeting National Institute of Allergy and Infectious Diseases (NIAID), NIH, Member 2013
* Aging and Geriatric Sciences (ASG) Special Emphasis Panel/Scientific Review Group 2014/10, Center for Scientific Review, NIH, Member 2014
* Program Project Grants, National on Alcohol Abuse and Alcoholism (NIAAA), NIH, Special Emphasis Panel ZAG1 ZIJ-5 (02), Member 2014
* Program Project and Center Grant Review Panel, National Institute on Aging (NIA), NIH, Member 2014
* T32 Institutional Training Grant Applications, National Institute of General Medical Sciences (NIGMS), NIH Member 2015
* Neurotoxicity and Alcohol (NAL) Study Section, Center for Scientific Review, NIH, Ad Hoc Member 2016
* NIGMS National Advisory Council, NIH, Ad Hoc Member 2017
* T32 Institutional Training Grant Applications, National Institute of General Medical Sciences (NIGMS), NIH Member 2017, 2018
* AA1 Study Section, National Institute on Alcohol Abuse and Alcoholism (NIAAA), NIH, charter member 2018-2022

##### External Advisory Committees for NIH Grants:

* Advisory Board Member, NIAAA, Alcohol and Immune Dysfunction, P.I. Robert T Cook, University of Iowa, Iowa City, IA, 2003 – 2007
* Advisory Board Member, NIAAA, Mechanisms of Alcohol-Mediated Organ and Tissue Damage. R13 meetings Grant, P.I.: Drs. Gyongyi Szabo, Geoffrey Thiele, and Lynell Klassen, 2004 – 2011
* Advisory Committee Member, NIGMS Program Project Grant “Biological effects of injury-induced changes in gene expression,” P.I. John Mannick, Brigham and Women’s Hospital, Harvard Medical School, Boston, MA, 2006
* Advisory Committee Member, NIAAA, Emory Alcohol and Lung Biology Training Program, P.I. David M. Guidot, Emory University, Atlanta, GA, 2006 – 2011
* Advisory Committee Member, K99/R00 awardee, Samantha Yelligar, PhD, Emory University, Atlanta, GA. 2013 -2019
* External Advisory Committee Member, Training in Trauma and Burn Research (NIH T32 GM008750), Loyola University Chicago, 2016 – Date
* External Advisory Committee Member, Training in Neuroimmunoendocrine Effects of Alcohol (NIH T32 AA013527), Loyola University Chicago, 2016 – Date
* External Advisory Committee Member, Alcohol Center of Research-Nebraska (ACORN) (NIH P50AA030407), University of Nebraska Medical Center, 2023 – Date

**Professional Society Activities and NIH Scientific & Educational Meetings:**

Aging and Immunology Conferences

* Co-organizer, Aging and Immunology Satellite Meeting at the International Congress on Immunology, Milan, Italy, August 2013
* Co-organizer, Immunosenescence: Hot Topics & Interventions. A Satellite Symposium of the 4th European Congress of Immunology, Vienna, Austria, September 2015.
* Co-organizer, Aging of the Immune System. NIH, Rockville, MD, May 2017.
* Co-organizer, Immunity, Metabolism and Aging, Modena, Italy, September 2020. (Canceled due to Covid19)
* Co-organizer, Workshop on Advances in Aging, Immunity, and Chronic Inflammatory Diseases, NIH, Rockville, MD, May 2023

Alcohol and Immunity Research Interest Group (AIRIG)

* Co-Organizer, Annual Meeting, Maywood, IL, November 2003
* Chair, Scientific Program Committee, Satellite Symposium “Alcohol and Immunity” at the Annual Meeting of the Society for Leukocyte Biology, Toronto, Ontario, October 2004
* Chair, Program Committee, Maywood, IL, November 2005
* Co-Chair, Program Committee, Maywood, IL, November 2006
* Chair, Program Committee, Maywood, IL, November 2007
* Co-Chair, Program Committee, “Alcohol, Leukocyte and Host Defense,” Satellite Symposium at the Annual Meeting of the Society for Leukocyte Biology, Denver, CO, November 2008
* Co-Chair, Program Committee, “Differential Effects of Acute and Chronic Ethanol on the Immune Response,” Maywood, IL, November 2009
* Co-Chair, Program Committee, “Alcohol and Inflammation & Infection: Clinical and Experimental Systems,” Maywood, IL, November 2010
* Co-Chair, Program Committee, “Alcohol and Epigenetics,” Maywood, IL, November 2011
* Co-Chair, Program Committee, “Alcohol, Receptors and Signal Transduction,” Maui, HI, October, 2012
* Co-Chair, Program Committee, “Alcohol and Inflammatory Responses,” Maywood, IL, November 2013
* Co-Chair, Program Committee, “Alcohol and Immunity,” Maywood, IL, November 2014
* Co-Chair, Program Committee, “Neuroimmunoendocrine Effects of Alcohol,” Satellite Symposium at the Annual Meeting of the Society for Leukocyte Biology, North Raleigh, NC, September 2015
* Co-Chair, Program Committee, “Mechanisms of Alcohol Responses.” Maywood, IL, November 2016
* Co-Chair, Program Committee, “Alcohol and Immune Responses.” Denver, CO, June 2017
* Co-Chair, Program Committee, “Alcohol, Inflammation and Barrier Integrity.” Aurora, CO, January 2018
* Co-Chair, Program Committee, “Alcohol and Organ-Specific Responses.” Boston, MA, November 2019
* Co-Chair, Program Committee, “Alcohol and Immunology.” November 2020 (virtually truncated meeting due to COVID19)
* Co-Organizer, “AIRIG Club” virtual monthly meetings 2020 - 2021
* Co-Organizer, AIRIG 2021 annual meeting, Maywood, IL, November 2021
* Co-Organizer, AIRIG 2022 annual meeting, entitled “Alcohol and Immunology: Mechanisms of Multi-organ Damage.” Special Interest Group Satellite at Society for Leukocyte Biology, Big Island, HI, October 2022
* Co-Organizer, AIRIG 2023 annual meeting, “Alcohol and Innate Immune Responses.” University of Colorado, December 2023
* Co-Organizer, AIRIG 2024 annual meeting, “Alcohol Use & Impaired Host Defense and Organ Dysfunction.” Loyola University Chicago, November 2024

American Association of Immunologists (AAI)

* Member 1989 - Date
* Committee on Minority Affairs, Member 2000 - 2003
* Committee on Public Affairs (CPA), Member 2007 - 2012, Chair 2012 - 2014
* CPA Subcommittee on Peer Review and Grant Submission, Co-Chair 2007 - 2009
* CPA Subcommittee on Research Advocacy, Member 2007 - 2012
* CPA Subcommittee on Peer Review and Grant Submission, Chair 2009 - 2012
* Representative meeting with Dr. Richard Nakamura, Acting Director, Center for Scientific Review, National Institutes of Health, Bethesda, MD, November 30, 2011
* Panelist, NIH Peer Review: Understanding the New System, Boston, MA, May 2012
* Chair, Committee on Public Affairs Symposium on Communicating Science to the Lay Public with Joe Palca (NPR) and Olja Finn (University of Pittsburgh), Honolulu, HI, May 2013
* Chair, Committee on Public Affairs Symposium on “Rock Talk-ing With Sally Rockey” Chair: Elizabeth J. Kovacs, Speaker: Sally Rockey, Deputy Director for Extramural Research and Director, Office of Extramural Research, NIH, Pittsburgh, PA, May 2014
* Distinguished Service Award, Recipient, 2015
* Co-Chair, symposium on “Innate Immunity and Aging” Annual meeting of the American Association of Immunologists, Washington, DC, May 2017
* Nominating Committee, Member, 2017 - 2018
* Co-chair, NIA session on aging and immunity, Annual meeting of the American Association of Immunologists, Honolulu, HI, May 2020 (Canceled due to COVID 19)
* Minority Affairs Committee, Round Table Discussion Leader, Annual meeting of the American Association of Immunologists, Washington, DC, May 2023
* Co-chair, NIA session on Mucosal Immunity, Microbiome and Aging, Annual meeting of the American Association of Immunologists, Washington, DC, May 2023
* Minority Affairs Committee, Round Table Discussion Leader: Junior Faculty Preparing for Promotion and Tenure, Annual meeting of the American Association of Immunologists, Chicago, IL, May 2024
* Committee on the Status of Women, Round Table Discussion Leader: Careers in Science Policy, Annual meeting of the American Association of Immunologists, Chicago, IL, May 2024

American Association of Medical Colleges

* Group on Women in Medicine and Science, Member 2012 - 2016

American Burn Association (ABA)

* Member 2006 - Date
* Co-Chair Sunrise Symposium Breakfast Session entitled “Manipulation of the Hypermetabolic Response” (with Dr. Steven Wolf), Chicago, IL, April 2002
* Member, Committee on Research, 2011 – 2014; 2023 - Date
* Panelist, Research Forum on Improved Care through Research, Seattle, WA, April 2012
* Discussion Leader, How to write a research grant, Palm Springs, CA, March 2013
* Member, Aging Special Interest Group, 2016 – 2018
* Member, Thermal Injury Workshop, Washington DC, 2018
* Member, Elderly Care Committee, 2018 – 2021
* Invited Speaker and Panelist, Aging and Injury, Chicago, IL, April 2018
* Invited Participant, ABA-UL Workshop on Cutaneous Thermal Injury and Inhalation Injury, Georgetown University Hotel and Conference Center, Washington, DC, August 2018
* Invited speaker “Inflammaging, burn injury and the gut-lung axis.” Speaker Correlative Session V: Research. American Burn Association Annual Meeting, Chicago, IL, April 2024.
* Moderator/Discussant “Immunological Response to Burn Injury: Time for an Update.” Chicago, IL, April 2024.
* Albert T. McManus Burn Microbiology Paper Award, 2024

American Society for Cell Biology

* Member 1983 - 2003
* Grammar School Correspondent 1995 - 1998
* Minority Access to Science, Sponsor 1997 - 1998

American Thoracic Society

* Panelist, Workshop on Asthma in the Elderly, Denver, CO, May 2015

Austrian Society of Allergology and Immunology

* Plenary Speaker, Graz, Austria, December, 2005

European Immunology Congress

* Co-organizer, Scientific Program Planning Committee, Immunosenescence: Hot Topics & Interventions, Satellite Symposium, Vienna, Austria, September 2015

European Society for Biomedical Research on Alcoholism

* Co-Chair, Symposium, “Alcohol: An Immunological Jack-of-all-Trades,” Berlin, Germany, September 2007

Federation of American Societies for Experimental Biology (FASEB)

* Member, Board of Directors, 2021 – Date
* Member, Early Career Taskforce, 2022
* Member, Professionalism and Career Advancement Working Group, 2024 - Date

Gordon Research Conferences (GRC)

* Leadership positions
	+ Organizer and discussion leader, “Power Hour” session on inclusion and professional development, Gordon Conference on “Alcohol-Induced End Organ Diseases,” Ventura, CA, March 2017
	+ Organizer and discussion leader, “Power Hour” session on inclusion and professional development, Gordon Conference on “Alcohol-Induced End Organ Diseases,” Ventura, CA, March 2021
	+ Vice Chair Program Committee, Elected, Gordon Conference on “Alcohol-Induced End Organ Diseases,” Ventura, CA, April 2022 (postponed from March 2021 due to COVID19)
	+ Co-Chair Program Committee, Elected, Gordon Conference on “Alcohol-Induced End Organ Diseases,” Ventura, CA, March 2023
* Conference participation
	+ Discussion Leader, Session on “Fibrosis and Scarring,” Gordon Conference on “Tissue Repair and Regeneration,” New London, NH, June 2009
	+ Invited speaker, “Alcohol intoxication and the pulmonary inflammatory response after injury.” Symposium on Immunological Mechanisms. Gordon Conference on “Alcohol-Induced End Organ Diseases,” Ventura, CA, March 2017
	+ Discussion leader, Keynote session: “Molecular and cellular mechanisms of fibrosis and genetic polymorphisms in ALD.” Gordon Conference on “Alcohol-Induced End Organ Diseases,” Ventura, CA, March 2019
	+ Keynote session speaker the effects of aging and environment on the skin barrier. Gordon Research Conference, Barrier Function of Mammalian Skin, Waterville Valley Resort, NH, August 2021 (Canceled due to COVID19)
	+ Invited speaker, “Burns are more than skin deep: Inflamm-aging and the gut - lung axis.” Gordon Research Conference on Antimicrobial Peptides, Renaissance Tuscany Il Ciocco, Lucca, Italy, January 2023
	+ Keynote speaker, session on the effects of aging and environment on the skin barrier. Gordon Research Conference, Barrier Function of Mammalian Skin, Waterville Valley Resort, NH, August 2023
	+ Discussion leader, Session on “Mechanisms of Alcohol Associated Cell Injury and Death.” Gordon Conference on “Alcohol-Induced End Organ Diseases,” Ventura, CA, March 2025

International Cytokine Society

* Member 1994 - 2013
* Co-chair Symposium entitled “Clinical Progress” (with Dr. Scott Durum), Hilton Head, SC, December 1987
* Co-chair Symposium entitled “Clinical Progress” (with Dr. Charles Dinarello), Hilton Head, SC, December 1990
* Co-chair Mini-Symposium entitled “Cytokines in Diseases” (with Dr. Marc Feldman), Hilton Head, SC, December 1999

International Society for Biomedical Research on Alcoholism (ISBRA)

* Session Co-Chair, Session on Tissue Damage and Repair at Satellite Symposium on Alcohol as a Modifier of Biological Responses: Recent Updates. Paris, France, September 2010 (Recipient of ISBRA Senior Faculty Travel Award)
* Discussion leader, Symposium on “Alcohol and organelle dysfunction: Using organelle-focused studies to determine alcohol’s mechanism of action.” Paris, France, September 2010 (Recipient of ISBRA Senior Faculty Travel Award)

International Society of Interferon and Cytokine Research

* Member 1996 - 2013
* Awards Committee, Member 2004 - 2007

Masoro-Barshop Conference on Aging (University of Texas San Antonio)

* Invited speaker “Aging and the inflammatory responses after injury.” Barshop Institute for Longevity and Aging Studies, University of Texas Health Science Center at San Antonio, February, 2013
* Participant “The Aging Immune System.” Masoro-Barshop Institute on Aging, October 2021 (Virtual because of COVID19)

National Institutes of Health Conferences

* Co-chair, Basic Science Panel, NIA Workshop on Inflammation, Inflammatory Cytokines and Aging, Bethesda, MD, September 2004
* Chair, Session II: Gender-related Inflammatory Disorders. NIH Workshop on “Regulation of Inflammatory Responses: Influence of Sex and Gender,” Bethesda, MD, September 2006
* Chair, Session 1, Symposium NIH Workshop on “Alcohol, Intestinal Bacterial Growth, Intestinal Permeability to Endotoxin, Medical Consequences, and Dietary Supplements,” Rockville, MD, October 2006
* Discussant and speaker, NIH Workshop on “Animal Models of Comorbidities in Aging,” Rockville, MD, September, 2007
* Facilitator and speaker, Cell, Molecular, and Developmental Biology Session at the CSR Open House Workshop: Integrated Biology Group II, NIH, Bethesda, MD, November 2007
* Invited speaker, ASP workshop on wound repair and healing in older adults. NIH, National Institute on Aging, Washington, DC, February 2014
* Invited speaker, Intersection of Aging Biology and Pathobiology of Lung Diseases Workshop. Workshop. NIH, National Heart, Lung and Blood Institutes and National Institute on Aging, Rockville, MD, September 2015
* Invited speaker and discussant, Workshop on wound repair and healing in older adults. NIH, National Institute on Aging, Bethesda, MD, September 2019
* Co-Organizer, session chair, and discussant, NIH Workshop on Advances in Aging, Immunity and Chronic Inflammatory Diseases. Supported by NIA, NIAID, NIDCR, Bethesda, May 2023

Radiation Research Society

* Member 2011 - 2016
* Co-chair, Symposium on Radiation Combined Injury: Animal Models and Therapy, Westin, FL, September 2015

Research Society on Alcoholism (RSA)

* Member 2001 - Date
* Program Committee, Member 2005 – 2008
* Co-Chair, Symposium, “Ethanol and TLR mediated signaling defects,” Chicago, IL, July 2007
* Member, Program Committee, Annual Meeting of the Research Society on Alcoholism, Washington, DC, June 2008
* Chair, Symposium on “Stem Cells in Tissue Regeneration” at RSA Satellite entitled “Alcohol as a Modifier of Biological Responses Stem cells: Relevance to alcohol-induced tissue damage and regeneration.” Santa Barbara, CA, June 2009
* Organizer and Co-Chairs, Symposium on “Alcohol Exposure and Mechanisms of Tissue Injury and Repair.” San Diego, CA, June 2009
* Discussion leader, Symposium on “Chemokines and alcoholic tissue injury: Pivotal regulators of inflammatory processes,” San Antonio, TX, June 2010
* Discussion leader, Symposium on “Alcohol and lung viral infections,” San Antonio, TX, June 2010
* Panelist, Satellite Symposium on Animal Models of Alcohol Exposure, Orlando, FL, June 2013
* Chair, Poster Workshop on Pathology, Orlando, FL, June 2013
* Nominating Committee, Member 2013 - 2014
* Co-Chair, Symposium, Young Scientists Forum on Alcohol-Induced Cellular and Tissue Damage, Denver, CO, June 2017
* Discussant, Symposium entitled “Alcohol-associated immune dysfunction and lung disease: New therapeutic horizons.” San Diego, CA, June 2018
* Co-Chair, Symposium, Young Scientists Forum on Alcohol-Induced Cellular and Tissue Damage, San Diego, CA, June 2019
* Co-Chair, Symposium, Young Scientists Forum on Alcohol-Induced Cellular and Tissue Damage, Minneapolis, MN, June 2019
* Co-Chair, Symposium, Young Scientists Forum on Alcohol-Induced Cellular and Tissue Damage, New Orleans, LA, June 2020 (Canceled due to COVID19)
* Co-Chair, Symposium on Alcohol and Aging, New Orleans, LA, June 2020 (Canceled due to COVID19)
* Co-Chair, Symposium, Young Scientists Forum on Alcohol-Induced Cellular and Tissue Damage, San Antonio, TX, June 2021
* Co-Chair, Symposium on Alcohol and Aging, San Antonio, TX, June 2021
* Discussant, Symposium on Alcohol: An accelerator of biological aging, Belleview, WA, June 2023

Society for Black American Surgeons (SBAS)

* Grant Writing Workshop, “How your grant application is reviewed.” Speaker, panelist and discussant. New York, NY, April 2019
* Grant Review and Writing Workshop for Physician Scientists, “Post-review and beyond and the NIH MOSAIC K99/R00.” Speaker, panelist and discussant. September, 2021 (Virtual because of COVID)
* Grant Review and Writing Workshop for Physician Scientists, speaker, panelist and discussant. Detroit, MI, September, 2023

Shock Society

* Membership and Leadership Positions
	+ Member 2004 - Date
	+ Publications Committee
		- Member 2013 – 2015
		- Search Committee for Journal Editor-in-Chief, member 2021
		- Member publisher search committee 2023 – Date
	+ Scientific Achievement Award, Recipient 2017
	+ President-Elect, 2017 - 2018
	+ President, 2018 - 2019
	+ Nominations Committee, Chair, 2019 – Date
	+ International Affairs Committee, Member, 2019 - Date
	+ Advocacy and Science Policy Committee, Member, 2020 - Date
	+ Search Committee for Journal Editor-in-Chief, member 2021
	+ FASEB Board of Directors, Member representing the Shock Society, 2021 - Date
	+ Mentorship Committee, Senior Advisor, 2021 – 2024
	+ Distinguished Service Award, Recipient 2024
* Conference sessions activities
	+ Chair, Symposium on Aging and Shock/Trauma, Denver, CO, June 2006
	+ Chair, Program Committee, “Alcohol and Trauma 2007” Satellite Symposium, Baltimore, MD, June 2007
	+ Chair, Symposium, “Aging and Trauma,” Baltimore, MD, June 2007
	+ Chair, Symposium on Wound Healing in Trauma and Sepsis, Charlotte NC June 2014
	+ Organizer, Mentoring Session for trainees and faculty 2020 (Canceled due to COVID)
	+ Co-organizer, Mentoring Session, Toronto, Ontario, Canada, June 2022 (96 registrants)
	+ Chair, Plenary Session on Microbiome in Sepsis, Portland OR, June 2023
	+ Chair, Concurrent Session on Data management, Portland OR, June 2023
	+ Organizer, Mentoring Session for Trainees and Junior Faculty 2023 (110 registrants), Portland OR, June 2023
	+ Co-organizer, Mentoring Session for Trainees and Junior Faculty 2024, Palm Beach Gardens, FL, June 2024
	+ Speaker, Grant Writing Workshop, Palm Beach Gardens, FL, June 2024

Society for Leukocyte Biology (SLB)

* Membership and elected/appointed leadership positions
	+ Member 1987 - Date
	+ Publications Committee, Member 1990 - 1995, Chair 1995 - 1997
	+ Elected Council, Member 1991 - 1995, 2004 - 2007
	+ Presidential Advisory Committee, Member 1991 - 1992
	+ Rules Committee, Member 1998 - 1999
	+ Nominations Committee, Member 1999 - 2000, Chair 2000 - 2002
	+ President-Elect (2 year elected post) 2008 - 2009
	+ President (2 year elected post) 2010 - 2011
	+ Past-President and Chair of the Meetings Committee (2 year elected post) 2012 – 2014
	+ Program Committee Co-Chair, 48th Annual Meeting 2015
	+ Nominating Committee, Member, 2016 – date
	+ Honorary Lifetime Award for Excellence in Leukocyte Biology Research, 2018
	+ Recipeint, Legacy Award, October 2025

* Symposia and Scientific Sessions
	+ Co-Chair Symposium entitled “Chemokines” (with Dr. Joost J. Oppenheim), Cambridge, MA, October 2000
	+ Chaired Poster Workshop entitled “Inflammatory and immune responses,” Maui, HI, November 2001
	+ Co-Chair, Scientific Program Committee, Satellite Symposium on Innate Immunity and Aging, Philadelphia PA, October 2003
	+ Co-Chair, Cellular mechanisms of host resistance: Monocytes and neutrophils, Toronto, Ontario, Canada, October 2004
	+ Chair, Symposium on Aging and Immune Responses, Society for Leukocyte Biology, San Antonio TX, November 2006
	+ Co-Chair, Symposium, “Inflammatory dysfunction in disease,” Cambridge, MA, October 2007
	+ Co-Chair, Symposium, “Leukocyte function in aging,” Denver, CO, November 2008
	+ Co-Chair, Plenary Symposium “New T-helper Subsets” at Tri-Society Meeting with the International Cytokine Society and the International Society for Interferon and Cytokine Research, Lisbon, Portugal, October 2009
	+ Co-Chair, Satellite Symposium, “Aging and Inflammation,” Vancouver BC, Canada, October 2010
	+ Co-Chair, Scientific Program Committee (with Nicholas Lukacs), North Raleigh, NC, September 2015
	+ Co-Chair, Satellite Symposium on Aging and Innate Immunity (with Dr. Rebecca Fuldner), Verona, Italy, September 2016.
	+ Co-Chair, Satellite Symposium on Alcohol and Tissue Specific Immunology (with Dr. Mashkoor Choudhry), Boston MA, November 2019
	+ Co-Chair, Satellite Special Interest Group meeting at Society for Leukocyte Biology on alcohol and immunology (with Dr. Rebecca McCullough), Big Island, HI, October 2022
* Education and Career Development Activities
* Grant Writing Workshop, Panelist and Discussant (Kansas City, MO, September 2011, Maui, HI, October 2012, Newport, RI, October 2013, North Raleigh, NC, September 2015)
* Committee on Women and Diversity, Panel Member (Kansas City, MO, September 2011), Keynote speaker (Vancouver, BC, Canada, October 2017), Panel Member (Boston, MA 2019)
* Street Smarts of Science for Students, Organizer and Discussant (Maui, HI, October 2012, Newport, RI, October 2013, Salt Lake City, UT, October 2014 (joint meeting with the International Endotoxin and Innate Immunity Society), North Raleigh, NC, September 2015)
* Members in Transition and Training – SLB SCHOOL (Symposium for Career Development and Hands‐On Opportunity to Learn). “Best practices for job talks in academia: How to communicate your scientific value and future goals effectively.” June 2021 (Virtual because of COVID)
* Professional Development Committee – Finding Mentors – panel discussant and breakout room leader. June 2021 (Virtual because of COVID)

Veterans Affairs

* First Annual PACT Act Research Symposium for Veterans Health. Co-chair with Andrew Hoisington, VA Aurora, CO, May 2023

Western Trauma Association (WTA)

* Founder’s Basic Science Lecturer, Big Sky, MT, February 2022

World Congress on Trauma, Shock, Inflammation and Sepsis (TSIS)

* Co-Chair Symposium, “Assessment of Steroid Hormones as a foundation for therapeutic modulation of inflammation and cardiovascular responses following injury,” Munich, Germany, March 2004
* Chair, Symposium, “Innate Immunity:  Friend or Foe,” Munich, Germany, March 2010

**Media Related Quotes and Interviews:**

2001 Nature – Effects of alcohol on stress and immunity

2005 Loyola Magazine – Feature article about The Alcohol Research Program and the effects of the combined insult of alcohol and burn injury

2006 More Magazine – Feature article in May 2006 issue on aging and anti-inflammatory treatments. Current research on aging, estrogen replacement and innate immunity

2007 FOXbusiness.com – Alcohol, immunity, and susceptibility to infectious diseases

# 2008 “EurekAlert!” website - Rodent study shows that chronic drinking can lead to severe pneumonia after surgery

2009 Public Affairs Show “26 N. Halsted” (WCIU Television, Chicago) interview - Alcohol and Trauma

2010 Loyola Phoenix – Department of Defense Funding for the Burn & Shock Trauma Research Institute

2010 “Take 5” (CIUT Radio, Toronto, Canada) interview – Immune consequences of alcohol consumption.

2010 Fox News Chicago Morning Show interview – Alcohol consumption and the holidays.

2011 ReachMD, Diabetes Discourse – Healing of Cutaneous Wounds

2011 Hinsdale Doings, Pioneer Press Newspaper – Teenage Binge Drinking

2012 Illinois Public Radio –CDC report on Binge Drinking

2012 Medill News Service – Teenage Alcohol Consumption

2012 Pioneer Productions Consultant, London, UK – Alcohol and Wound Healing

2012 Women’s Health magazine – Benefits and Risks of Alcohol Consumption

2012 Homewatch CareGivers International - The Benefits & Risks of Drinking: Alcohol is Not Like Broccoli (<http://familycaregiverblog.com/?p=841>)

2013 Health, Wealth and Wisdom, Senior Voice of America, 1250 WHNZ Radio – Alcohol and Immunity

2014 Men’s Health Magazine – Beer Goggles Explained.

2014 WJOL TV – Alcohol Research

2014 Mother Jones – Friends don’t let friends walk drunk

2015 CafeMom – Drinking wine can be healthy – But how much is too much?

2015 Redbook magazine – “Cut yourself off” – Alcohol consumption alters immune function

2016 ScienceDaily “Inflamm-aging: alcohol makes it even worse” <https://www.sciencedaily.com/releases/2016/06/160628110217.htm>

2016 UCHealth Today – Alcohol and aging <https://www.uchealth.org/Today/news/cu-study-drinking-in-old-age-may-be-hazardous-to-your-health>

2016 Vitamin Shoppe - Your All Natural Guide To Surviving A Hangover With A Smile https://whatsgood.vitaminshoppe.com/2016/12/30/natural-hangover-survival-guide/

2016 Cosmopolitan Magazine - 18 Expert-Tested Ways to Prevent a Hangover: Can't hurt more than your headache. <http://www.cosmopolitan.com/health-fitness/advice/a34824/expert-tricks-to-prevent-a-hangover/>

2018 Cosmopolitan Magazine - People Are Sharing Their Best Hangover Remedies on Twitter, and Praise Be, Some Actually Help. <https://www.cosmopolitan.com/health-fitness/a23301673/best-hangover-cures-remedies>

2022 Research reveals how leaky guts lead to inflammation in the lungs. <https://www.news-medical.net/news/20220511/Research-reveals-how-a-leaky-gut-leads-to-inflammation-in-the-lungs.aspx>

2022 Why older lungs don’t respond well to trauma. [https://www.sciencenews.org/article/pollution-weakens-lungs-immune-defenses](https://nam02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.sciencenews.org%2Farticle%2Fpollution-weakens-lungs-immune-defenses&data=05%7C01%7CELIZABETH.KOVACS%40CUANSCHUTZ.EDU%7C9685c9642be74a04e02608dacbda85ac%7C563337caa517421aaae01aa5b414fd7f%7C0%7C0%7C638046437718491204%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C2000%7C%7C%7C&sdata=0n%2Bj7Re4WXqGbW%2BQBnCW8Sd2Z4kjNLtGYtna3LX4GMI%3D&reserved=0)

2022 Pollution mucks up the lung’s immune defenses over time. <https://www.sciencenews.org/article/pollution-weakens-lungs-immune-defenses>

2024 Career Pathways. Immune on MicrobeTV October 2024

2025 Voice of America. Alcohol and cancer. <https://www.voanews.com/amp/steel-deal-hits-a-brick-wall-and-new-alcohol-cancer-warning/7923851.html>

2025 NBCnews: alcohol and cancer. <https://www.nbcnews.com/news/amp/rcna186163>

2025 SELF magazine <https://www.self.com/story/drinking-alcohol-after-break>

#### Journal Review Activity:

1987 - Date Ad Hoc Reviewer: Addiction Biology; Alcohol; Alcoholism: Clinical and Experimental Research; American Journal of Pathology; American Journal of Respiratory Cell and Molecular Biology; Archives of Pathology and Laboratory Medicine; Arteriosclerosis; Brain Behavior; Cellular Immunology; Circulatory Shock; Critical Care Medicine; Cytokine; Endocrinology; Experimental Gerontology; Hypertension; Immunity; Intensive Care Medicine; International Immunology; Journal of Allergy and Clinical Immunology; Journal of Autoimmunity; Journal of Burn Care and Research; Journal of Cell Physiology; Journal of Cellular Biochemistry; Journal of Clinical Investigation; Journal of Gerontology; Journal of Immunology; Journal of Infectious Diseases; Journal of Leukocyte Biology; Laboratory Investigation; Life Sciences; Mechanisms of Aging and Development; Nature; Neuropsychopharmacology; Obstetrics and Gynecology; Radiation Research; Science; Shock; Thrombosis and Vascular Biology

1990 - 2000 Consulting Editor: Journal of Leukocyte Biology

1999 - 2015 Editorial Board: Cytokine

2000 - Date Editorial Board: Alcohol

2006 - Date Editorial Board: Journal of Burn Care and Research

2007 - Date Editorial Board: Shock

2008 - 2009 Co-Editor, Special Issue on Immunosenescence, Trends in Immunology

2012 - Date Editorial Board: Pathobiology of Aging and Age-related Diseases

2013 - 2014 Co-Editor, Special Issue on Alcohol and Immunology, Mediators of Inflammation

2015 - Date Co-Editor, Special Issue of Journal of Leukocyte Biology

2019 - Date Editorial Board: Immunity & Aging

2019 - Date Editorial Board: Aging Pathobiology and Therapeutics

2020 - Date Editorial Board: Frontiers in Immunology

**Teaching Experience**:

1978 Teaching Assistant, Neurobiology, Department of Psychology, Reed College, Portland, OR

1978 - 1979 Teaching Assistant, Introductory Biology, Department of Biology, Columbia University, New York, NY

1979 - 1981 Teaching Assistant, Introductory Biology, Cell Biology, and Physiology, Department of Biology, University of Vermont, Burlington, VT

1986 - 1987 Instructor, Cell Biology, Department of Biology, Hood College, Frederick, MD

Loyola University Chicago

1987 - 2016 Graduate Histology, Lecturer and laboratory instructor

1987 - 1995 Medical Histology, Lecturer and laboratory instructor

1987 - 1995 Cellular Biology, Course Director

1990 - 1993 Graduate Immunology, Course Co-Director

1990 - 1994 Cytokines Study Group, Coordinator

1995 - 1996 Cell and Molecular Biology, Lecturer and laboratory instructor

1995 - 1997 Structure of the Human Body, Lecturer and laboratory instructor

1995 - 1998 Specialized Cell Systems, Lecturer and laboratory instructor

1996 - 2012 Function of the Human Body, Lecturer and laboratory instructor

1997 - 2012 Host Defense, Lecturer and laboratory instructor

1998 - 2012 Molecular and Cell Biology and Genetics, Lecturer and laboratory instructor

1998 - 2001 Graduate Histology, Course Director

2004 - 2005 Graduate Cell Biology, Lecturer

2009 - 2016 Immunology and Aging, Special Topics in Microbiology and Immunology, Lecturer and discussion leader

2014 - 2016 Grant writing class, Department of Public Health, Lecturer and discussion leader

2014 - 2016 Street Smarts of Science for Students, Student Survival Seminars, Lecturer

2014 - 2016 Grant fundamentals: NIH 101, Student Survival Seminars, Lecturer

2014 - 2016 How to talk to the media, Responsible Conduct of Research, Discussion leader

University of Colorado Denver

2017 NIH 101 and grant writing workshop, Graduate School, Lecturer and discussion leader

2017 Entering Mentoring, Post-Doctoral Association and Graduate School, Lecturer and discussion leader

**University Service:**

Loyola University Chicago

1988 - 1989 Post-graduate Committee, Member

1988 - 2001 Medical Center Laboratory Safety Committee, Member

1989 - 1995 Graduate Program Committee, Member, Department of Cell Biology, Neurobiology & Anatomy

1989 - 1993 Faculty Search Committee, Member, Department of Cell Biology, Neurobiology & Anatomy

1990 - 1992 Graduate Program Committee, Molecular Biology Program, Member

1991 - 2016 MD/PhD Program Steering Committee, Member

1991 - 1994 Board of Directors, Hines Child Care Center, Hines VA Hospital, Member

1993 - 1995 Committee on Research, Member

1993 - 1997 Burn & Shock Trauma Institute Study Section of the Research Council, Member

1994 - 1996 Admissions Committee, Department of Cell Biology, Neurobiology & Anatomy, Director

1994 - 1995 Cell and Molecular Biology Task Force, Member

1994 - 1999 Post-Graduate Education Committee, Burn & Shock Trauma Institute, Member

1994 - 2000 Research Training Committee, Burn & Shock Trauma Research Institute, Chair

1997 - 1999 Faculty Assessment Committee, Member

1998 - 1999 Transgenic Mouse Facility Committee, Steering Committee, Member

1999 - 2016 Minority Recruitment Program, Burn & Shock Trauma Research Institute, Director

2000 - 2016 Training in Trauma and Burn Research (NIH T32 GM008750), Executive Faculty Committee, Member

2001 - 2006 Institutional Animal Care and Use Committee, Member

2002 - 2016 Training in Neuroimmunoendocrine Effects of Alcohol (NIH T32 AA013527), Program

Director

2002 - 2004 Research 2010 Committee, Member

2002 - 2004 Rodent Users Committee, Member

2003 - 2012 Committee on Academic Rank and Tenure, Member

2004 - 2015 Research Advisory Council, Member

2004 - 2006 Faculty Development Advisory Committee, Member

2004 - 2016 Diversity Scholarship Committee, Burn & Shock Trauma Research Institute, Member

2006 Strategic Planning Subcommittee, Research Advisory Council, Chair

2007 - 2009 Research Training Program Task Force, Stritch School of Medicine, Member

2007 - 2010 Post-doctoral Training Committee, Stritch School of Medicine, Member

2007 Research Strategic Planning Committee, Member

2009 - 2012 Training Program in Immunology and Aging (NIH T32 AG031780), Associate Director

2009 - 2012 Executive Faculty Group, Loyola University Chicago, Member

2011 - 2012 Research Enterprise Development Committee, Member

2011 - 2013 Research Building Planning Committee, Member

2012 Learning Environment and Academic Diversity (LEAD) Committee, Member

2012 - 2016 Graduate Program Committee, Integrative Cell Biology, Member

2013 - 2016 Clinical Research Office, Scientific Advisor

2014 Strategic Planning Committee, Interdisciplinary Research, Member

2015 - 2016 Research Leadership Council, Member

University of Colorado Denver

2016 - Date Medical Scientist Training Program (MSTP) Admissions Committee, Member

2016 KL2 Review Panel Member, Colorado Clinical and Translational Sciences Institute (CCTSI)

2016 - Date Academic Enrichment Fund Seed Grant, Review Committee Member

2016 Team Science Review Panel Member, Department of Medicine

2021 - 2022 Strategic Planning Committee Member, Department of Surgery

2022 - Date Strategic Planning Committee, Research Champion, Department of Surgery

2022 - Date Professionalism Committee, Member, Department of Surgery

2022 Incentive Committee, Member, GITES, Department of Surgery

2023 - Date Vice Chair of Research, Department of Surgery

**Community Service:**

1995 - 1999 Oliver Wendel Holmes Elementary School, District 97, Oak Park, IL, Volunteer Science Teacher, First – Fifth Grades

2000 - 2016 Young Scientist Conference, District 97, Oak Park Education Foundation, Global Village, Oak Park, IL, Volunteer Teacher, Fifth Grade

2000 - 2003 Abraham Lincoln and Oliver Wendel Holmes Elementary Schools, District 97, Oak Park Education Foundation, Global Village, Oak Park, IL, Volunteer Science Teacher, Fourth and Fifth Grades

2003 - 2005 Gwendolyn Brooks Middle School, District 97, Oak Park Education Foundation, Global Village, Oak Park, IL, Director, 7th and 8th Grade Science Club

2005 - 2010 William Beye Elementary School, District 97, Oak Park Education Foundation, Global Village, Oak Park, IL, Volunteer Science Teacher, 4th Grade

2006 - 2016 Loyola Biomedical Internship Program, Founder and Director

2011 - 2016 Science Alliance Program, District 97, Oak Park, IL, Volunteer Science Teacher, 4th Grade

**Research Supervision**:

***Doctoral Dissertation Committees (PhD and MD/PhD)*:**

Loyola University Chicago

Clive Landis, PhD Student, Microbiology & Immunology, 1987 - 1990, member

 Current position: Professor, Cardiovascular Research, University of the West Indies

Theresa T. Pizarro, PhD Student, Cell Biology, Neurobiology & Anatomy, 1988 - 1993, chair

Current position: Professor, Department of Pathology, Case Western University

Michelle R. Frazier, PhD Student, Cell Biology, Neurobiology & Anatomy, 1989 - 1994, chair

 Current position: President, Soigneur Regulatory Consulting, LLC

Elisabeth L. Hahn, PhD Student, Physiology, 1990 - 1994, co-chair (with James Filkins)

 Current position: Artist, Puerto Rico

Douglas E. Faunce, PhD Student, Cell Biology, Neurobiology & Anatomy, 1994 - 1999, chair

Current position: Executive Director, Search and Evaluation – Eye Care, AbbVie Corporate Strategy, AbbVie

Meredith S. Gregory, PhD Student, Cell Biology, Neurobiology & Anatomy, 1995 - 2000, chair

 Current position: Assistant Professor, Schepens Eye Research Institute, Assistant Professor Ophthalmology, Harvard Medical School

Merideth Kamradt Krevosky, PhD Student, Cell Biology, Neurobiology & Anatomy, 1995 - 2000, member. (Advisor: Dr. Andrew Vaughan)

 Current position: Professor, Department of Science & Mathematics, Bridgewater State University

Kelly A.N. Messingham, PhD Student, Cell Biology, Neurobiology & Anatomy, 1997 - 2002, chair

 Current position: Associate Professor, Department of Dermatology, University of Iowa

Lisa Shafer, PhD Student, Cell Biology, Neurobiology & Anatomy, 1996 - 2002, member (Advisor: Rita Young, PhD)

 Current position: Chief Scientific Officer, Cerebral Therapeutics Inc, Minnesota

Heather Minges Wols, PhD Student, Microbiology and Immunology, 1996 - 2003, member (Advisor: Pamela Witte, PhD)

 Current position: Associate Professor, Science & Mathematics Department, Columbia College

Julia vom Wege, PhD Student, Microbiology and Immunology, 1997 - 2003, member (Advisor: Luisa A. DiPietro, DDS PhD)

 Current position: Executive Director and Assistant General Counsel, IP - Bristol-Myers Squibb

Joanna Goral, PhD Student, Cell Biology, Neurobiology & Anatomy, 2001 - 2005, chair

 Current position: Professor, Midwestern Osteopathic Medical School

Eric Boehmer, MD/PhD Student, Cell Biology, Neurobiology, & Anatomy, 2001 - 2007, chair

 Current position: Private practice, Internal Medicine, Wisconsin

Christian Gomez, Visiting PhD Student from Programa de Biologia Celular y Molecular, Laboratorio de Biología del Envejecimiento, Facultad de Medicina Universidad de Chile, spring 2002, Advisor

 Current position: Program Officer, National Heart Lung and Blood Institute, NIH, Bethesda, MD

Katherine A. Radek, PhD Student, Molecular and Cellular Biochemistry, 2002 - 2005, member (Advisor: Luisa A. DiPietro, DDS, PhD)

 Current position: Associate Professor, Department of Surgery, Loyola University Chicago

Yan Su, PhD Student, Molecular and Cellular Biochemistry, 2003 - 2006, member (Advisor: Pamela Witte, PhD)

 Current position: Industry, unknown

Ankush Gosain, MD, PhD Student, Cell Biology, Neurobiology & Anatomy, 2004 – 2006, member (Advisor: Luisa A. DiPietro, DDS, PhD)

Current position: Director, Division of Pediatric Surgery, Department of Surgery, University of Colorado, Aurora, CO

Luke Brewster, MD, PhD Student, Cell Biology, Neurobiology & Anatomy, 2004 - 2006, member (Advisor: Howard Greisler, MD)

 Current position: Assistant Professor of Surgery, Division of Vascular Surgery, Department of Surgery, Emory University School of Medicine, Atlanta, GA

Vanessa Nomellini, MD/PhD Student, Molecular and Cellular Biochemistry, 2004 - 2010, chair

 Current position: Associate Professor, Acute Care Surgery, Department of Surgery, University of Texas Southwestern, Dallas, TX

Eva Murdoch, PhD Student, Department of Cell Biology, Neurobiology & Anatomy, 2004 - 2009, chair

 Current position: Associate Professor, Medical Education, Loyola University, Maywood, IL

John Karavitis, PhD Student, Cell Biology, Neurobiology & Anatomy, 2005 - 2010, chair

 Current position: Principal Scientist, Abbott Laboratories

Mitzi Glover, PhD Student, Cellular Biology & Anatomy, Louisiana State University Health Sciences Center, Shreveport, LA, 2006 - 2009, member

# Current position: Associate Professor, Medical Education, TCU and UNTHSC School of Medicine

Anita Zahs, PhD Student, Molecular and Cellular Biochemistry, 2008 - 2012, chair

 Current position: Deceased, was Assistant Professor, St. Ambrose University

Aleah L. Brubaker, MD/PhD Student, Cell Biology, Neurobiology, and Anatomy, Stritch School of Medicine, 2009 - 2014, chair

Current position: Assistant Professor, Transplant and Hepaobilliary Surgery, University of California San Diego

Kristen Lauing, PhD Student, Cell Biology, Neurobiology & Anatomy, 2008 - 2012, member (Advisor:

John J. Callaci, PhD)

Current position: Research Laboratory Manager, Northwestern University

Juan L. Rendon, MD/PhD Student, Cell Biology, Neurobiology & Anatomy, 2008 - 2014, member (Advisor: Mashkoor A. Choudhry, PhD)

Current position: Surgical Resident, Plastic Surgery, University of Ohio

Kathleen Jaeger, MD/PhD Student, Microbiology & Immunology, 2008 - 2014, member (Advisor: Makio Iwashima, PhD)

Current position: Resident, OBGYN, Washington University St Louis

Jill A. (Ippolito) Shults, PhD Student, Integrative Cell Biology, 2011 - 2015, chair

 Current position: Senior Medical Writer, ICON Plc, Chicago

Michael M. Chen, MD/PhD Student, Integrative Cell Biology, 2012 - Date, chair (Defended dissertation April 20, 2015)

 Training: PSTP, medical resident, Clinical Immunology, Northwestern University

 Current position: Scientific Medical Director, AbbVi, Deerfield, IL

David Melton, MD/PhD Student, University of Texas Health Science Center San Antonio, San

 Antonio, TX, 2012 - 2015, member

 Current position: Unknown

Niya Morris, PhD Student, Integrative Cell Biology, 2014 - 2018, member (Advisor: Mashkoor A. Choudhry, PhD)

 Current position: Postdoctoral Fellow, Department of Medicine, Emory University

Adam Hammer, PhD Student, Integrative Cell Biology, 2014 - 2018, member (Advisor: Mashkoor A. Choudhry, PhD)

 Current position: Account Manager, Cell Signaling Technology, Boston, MA

Devin M. Boe, MD/PhD Student, Integrative Cell Biology, 2014-2016 (transferred to the University of Colorado Denver), chair of dissertation committee

University of Colorado Denver

Devin M. Boe, MSTP Student, Immunology Program, 2014 - 2022, chair

 Current position: Medicine/Pediatrics Resident, Georgetown University, Washington, DC

Holly J. Hulsebus, PhD Student, Immunology Program, 2017 - 2022, chair (was supported by NIAAA

 F31 AA027687)

Current position: Associate Director, Complement lab, National Jewish Health, Denver, CO

Lana Salah, PhD Student, Department of Pharmaceutical Sciences, Skaggs School of Pharmacy,

2019-2023. Supported by: NIH NIAAA F31 AA028977 predoctoral fellowship. Co-Sponsor with Jennifer Kiser.

Post doctoral fellow: University of North Carolina Chapel Hill

Paige Anton, PhD student, Toxicology Program, Skaggs School of Pharmacy, 2020 – 2024,

 Dissertation committee member

Current position: PhD student, Toxicology, Skaggs School of Pharmacy

Supported by: NIH NIAAA F31 AA030213-01A1. “The neuroinflammatory impact of binge ethanol exposure in aged mice: Investigating microglia NLRP3 regulation” Sponsor with R. McCullough and M. Patel.

Post doctoral fellow: University of North Carolina Chapel Hill

Shanawaj (Roy) Khair, MSTP student, Molecular Biology Program, 2021 – Date, chair

Current position: PhD student, Molecular Biology Program

Supported by: T32 predoctoral fellowship from NIGMS GM136444 (PI, Rytis Pekeris, Department of Cell and Developmental Biology)

Madaline Akbari, PhD student, Department of Immunology and Microbiology 2023- Date, committee

member

Current position: PhD student

***Master's Thesis Committee*:**

Loyola University Chicago

Andrew E. Jahoda, MS Student, Cell Biology, University of Illinois, 1995 - 1996, chair

 Current position: Physician, private practice, Wisconsin

Parag J. Patel, MS Student, Cell Biology, Neurobiology & Anatomy, 1996 - 1998, chair

 Current position: Interventional radiologist

Elizabeth A. Durbin, MS Student, Cell Biology, Neurobiology & Anatomy, 1998 - 2000, chair

 Current position: Physician, Family Medicine

Christine Fontanilla, MS Student, Cell Biology, Neurobiology & Anatomy, 1998 - 2001, chair

 Current position: unknown

Scott Heinrich, MS Student, Cell Biology, Neurobiology & Anatomy, 1999 - 2001, chair

 Current position: Assistant Professor and Associate Residency Program Director, Department of Emergency Medicine, Rush University Medical Center.

Hilda Shallo, MD, M.S. Student, Cell and Molecular Biochemistry, 2001 - 2003, chair

 Current position: Associate Professor, Joliet Community College

Daniel Fitzgerald, MS Student, Cell and Molecular Biochemistry, 2003 - 2005, chair

 Current Position: Physician

Sara (Hlavin) Zike, MS Student, Program in Infectious Diseases and Immunology, 2010 - 2012, chair

 Current position: Nurse practitioner, Urology

***Postdoctoral Fellows, Research Associates, Clinical Residents/Fellows, Research Assistant Professors*:**

Loyola University Chicago

Emily Kun, MD, Rheumatology Fellow, Department of Medicine, 1991 - 1992

 Current position: Rheumatologist, private practice, Chicago, IL

Cecilia Adami, MD, Postdoctoral Fellow, Cell Biology, Neurobiology & Anatomy, 1992 – 1993

 Current position: Industry, Italy

Steven Lambert, MD, Pulmonary and Critical Care Fellow, Department of Medicine, 1992 – 1993

 Current position: Pulmonologist, private practice, Wisconsin

Wing Dy, MD, Rheumatology Fellow, Department of Medicine, 1994 – 1995

 Current position: Rheumatologist, private practice

Alessandra Colantoni, MD, Research Associate, Gastroenterology, 1998 – 2001

 Current position: Physician, Emergency Department, Modena, Italy

Douglas E. Faunce, PhD, Research Assistant Professor, Surgery, 2002 – 2004

Current position: Executive Director, Search and Evaluation – Eye Care, AbbVie Corporate Strategy, AbbVie

John Porcelli, MD, Fellow, Pulmonary and Critical Care Medicine, 2002 - 2004

Current position: Pulmonologist, private practice, Wisconsin

Christian Gomez, PhD, Postdoctoral Fellow, Department of Surgery, 2004 – 2008

 Current position: Program Officer, National Heart Lung and Blood Institute, NIH, Bethesda, MD

Patrick Greiffenstein, MD, Visiting Research Resident, Departments of Surgery and Physiology, Louisiana State University Health Science Center, New Orleans, LA (displaced by Hurricane Katrina) October 2005 - February 2006

 Current position: Trauma Surgeon, Louisiana State University, Health Sciences Center

Melanie D. Bird, PhD, Postdoctoral Fellow, Department of Surgery, 2006 - 2011.

## Current position: Manager, Clinical & Health Policies, American Academy of Family Physicians

Joslyn M. Albright, MD, Surgical Resident, Department of Surgery, 2007 - 2009 (co-sponsor with Carol R. Schermer, MD).

 Current position: Surgical Oncologist, Advocate Christ Medical Center

Shegufta Mahbub, PhD, Postdoctoral Fellow, Department of Surgery, 2009 – 2011

Current position: stay-at-home mother

Christopher S. Davis, MD, MPH, Surgical Resident, Department of Surgery, 2009 - 2012 (co-sponsor with P. Marco Fisichella, MD)

 Current position: Associate Professor, Acute Care Surgery, General Surgeon, Trauma and Critical Care, Department of Surgery, Medical College of Wisconsin

Brenda J. Curtis, PhD, Postdoctoral Fellow, Department of Surgery, 2010 – 2014; Research Assistant Professor, 2014 – 2016 (moved with lab to the University of Colorado Denver)

 Current position: Principal Scientist, Medline Industries, Inc.

Stewart R. Carter, MD, Surgical Resident, Department of Surgery, 2011 - 2013

 Current position: Assistant Professor, Pediatric Surgery, University of Louisville

Eileen A. Bock O’Halloran, MD, Surgical Resident, Department of Surgery, 2013 - 2015

 Current position: Surgical Oncologist, Assistant Professor University of Illinois Chicago

Joslyn M. Albright, MD, Visiting Scholar, Department of Surgery, 2015 - 2016

 Current position: Surgical Oncologist, Advocate Christ Medical Center

Jill A. Shults, PhD, Research Associate, Department of Surgery, 2015 - 2016

 Current position: Senior Medical Writer, ICON Plc, Chicago

Anita Zahs, PhD, Research Associate, Department of Surgery, 2016

Current position: Deceased, was Assistant Professor, St. Ambrose University

University of Colorado Denver

Anita Zahs, PhD, Postdoctoral Research Associate, Department of Surgery, 2016 (moved with lab to the University of Colorado Denver)

 Current position: Deceased, was Assistant Professor, St. Ambrose University

Lisbeth A. Boule, PhD, Postdoctoral Research Associate, Department of Surgery, 2016 - 2017

 Current position: Consultant, industry

John Frankel, MD, Surgical Resident, Department of Surgery, 2017 – 2018

Current position: Colorectal Surgeon, Christ Hospital, Cincinnati, OH

Elizabeth G. Wheatley, PhD, Postdoctoral Research Associate, Department of Surgery, 2018 –2019

 Current position: Medical Communications Consultant, Boston Strategic Partners, Inc

Kiran U. Dyamenahalli, MD/PhD, Postdoctoral Research Associate, Department of Surgery, 2018 – 2020

 Current position: Surgical Resident, Department of Surgery, University of Colorado Denver

Kevin Choy, MD, Surgical Research Resident, Department of Surgery, University of Colorado Denver, 2020 – 2022

 Current position: Surgical Research Resident, Department of Surgery, University of Colorado Denver

Travis Walrath, PhD, Postdoctoral fellow, Department of Surgery, University of Colorado Denver, 2020 - Date

 Current position: Postdoctoral Fellow, Department of Surgery, University of Colorado Denver

 Supported by: T32 postdoctoral fellowship from NIA AG000279 (PI, Kerrie Moreau, Department of Medicine). “The gut-brain axis at the intersection of aging and traumatic injury” NIH NIA F32 AG023443-01 NRSA postdoctoral fellowship.

Abtin Shams, MD, Postdoctoral fellow, Department of Surgery, University of Colorado Denver, 2024

Current position: Postdoctoral Fellow, University of Colorado Denver

***Visiting Professors*:**

Loyola University Chicago

Elizabeth Fireman, PhD, Laboratory Director, Institute of Pulmonary and Allergic Diseases, Tel-Aviv Sourasky Medical Center, Tel-Aviv, Israel, 1992

 Current position: unknown

Youvraj R. Sohni, PhD, Associate Professor, Department of Biology, Alabama A & M University, Normal, AL, 1997 (funded by the Minority Access to Research, American Society for Cell Biology)

Current position: unknown

Alessandra Colantoni, MD, Research Associate, Department of Gastroenterology, University of

 Bologna, Bologna, Italy 1998-2001

Current Position: Professor, Emergency Medicine, Polyclinic of Modena, Modena, Italy

Ramazan Idilman, MD, Junior Attending, Department of Gastroenterology, University of Ankara

 Medical School, Ankara, Turkey, 1999 - 2000

Current position: Professor, Department of Gastroenterology, University of Ankara, Turkey

***Mentoring of Faculty Career Development Applicants and Awardees:***

Douglas E. Faunce, PhD, Research Assistant Professor, Department of Surgery, 2002 – 2004

* Tenure Track Assistant Professor 2004 - 2007
* PI research grant from the American Federation of Aging Research “A role for CD1d-restricted NKT cells in immunosenescence,” 2004.
* PI of NIH R01 AI073987 Research Grant “Natural Killer T cell modulation of cutaneous wound healing.” 2004-2007
* Current position: Executive Director, Search and Evaluation – Eye Care, AbbVie Corporate Strategy, AbbVie

P. Marco Fisichella, MD, Assistant Professor, Department of Surgery, Loyola University Medical Center, Maywood, IL, 2009 - 2012.

* Dean's Office Clinical Scholar (DOCS) Award Recipient (Mentor), 2010 – 2011
* Current position: Associate Professor, Department of Surgery, Harvard Medical School

Erin M. Lowery, MD, MS, Assistant Professor of Medicine, Pulmonary and Critical Care, Loyola University Medical Center, Maywood, IL, 2011- Date

* Dean's Office Clinical Scholar (DOCS) Award Recipient (Mentor), 2011 - 2013
* NIH Loan repayment grant recipient (Mentor), 2012 - 2014, 2015
* NIH K23 AA022126 Mentored Career Development Award recipient (Sponsor), 2014 - 2020
* Current position: Associate Professor, Department of Medicine, Loyola University Chicago

Majid Afshar, MD, MS, Assistant Professor of Medicine, Pulmonary and Critical Care, Loyola University Medical Center, Maywood, IL, 2015 - Date

* NIH Loan repayment grant recipient (Mentor), 2015 – 2017, 2018, 2019
* Dean's Office Clinical Scholar (DOCS) Award Recipient (Mentor), 2015 - Date
* NIH K23 AA024503 Mentored Career Development Award (Co-Sponsor), 2016 – Date
* Current position: Associate Professor with Tenure, Department of Medicine, University of Wisconsin Madison

Brenda J. Curtis, PhD, Assistant Research Department of Surgery (Moved from Loyola University Chicago to the University of Colorado Denver), 2014 – 2018

* NIH F32 AA021636 Post-doctoral fellowship 2012-2016 (Co-sponsor)
* Current position: Principal Scientist, Medline Industries, Inc.

Juan-Pablo Idrovo, MD, Assistant Professor of Surgery, Division of GI, Trauma and Endocrine Surgery, University of Colorado Denver, Aurora, CO, 2017 – Date

* NIH K08 GM134185-01 Mentored Clinician Scientist Research Career Development Award (Sponsor), 2019 – 2024
* NIH R01 GM153949-01 “Aging, Burn Trauma, and Liver Damage,” Co-I. 2024-2029
* Current position: Assistant Professor, Department of Surgery, University of Colorado Denver

Rachel McMahan, PhD, Assistant Research Professor, Department of Surgery, Division of GI, Trauma and Endocrine Surgery, University of Colorado Denver, Aurora, CO, 2019 – Date

* Current position: Associate Research Professor, Department of Surgery, University of Colorado Denver

Nalu Navarro-Alvarez, MD, PhD, Assistant Professor, Department of Surgery, 2019 – Date

* Current position: Assistant Professor, Department of Surgery, University of Colorado Denver
* NIH R01 grant application “Galectin-3 in Neutrophil Modulation and Disease Progression in Alcohol-associated Hepatitis.” Co-I with Drs. Christene Huang and Rebecca McCullough. (Submitted June 2024, will need to be resubmitted)

Andrew Hoisington, PhD, Assistant Professor, Department of Physical Medicine and Rehabilitation, and Rocky Mountain Regional Medical Center, 2022-Date

* R21 applications on mild trauamatic brain injury andl alcohol misuse: gut-brain axis, with Co-I with L Brenner (submitted June 2024, will need to be resubmitted)

Jacob Basak, MD/PhD, Assistant Professor, Department of Anesthesiology, 2022 – Date

* American Heart Association Second Century Early Faculty Independence Award. 2023 – 2026, co-sponsor with Dr. Nidia Quillinan
* NIH K08 NS135129-01A1 Mentored Clinician Scientist Research Career Development Award “Aging-associated changes in the brain's response after a cardiac arrest,”co-sponsor with Drs. Nidia Quillinan and Vesna Jevtovic-Todorovic.

Alison A. Smith, MD/PhD, Assistant Professor, Department of Surgery, Louisiana State University

 Health Sciences Campus, 2022 – Date.

* Planned (winter 2024) submission of NIH K08 Mentored Clinician Scientist Research Career Development Award on biofilm formation in failed wound healing after burn injury and acute alcohol intoxication, co-sponsor with Dr. Patricia Molina (LSU)

Jarrod Ellingson, MD, Assistant Professor, Department of Psychiatry, 2023 – Date

* New NIH R01 application “Combining laboratory and ecological momentary assessment-based methods to determine age-related differences in the relationship between alcohol use, pain, and inflammation.” NIH R01 AA031494-01-A1 (P.I., Jarrod M Ellingson) Co-I (Received 5th percentile, JIT requested, awaiting funding decision)

Rebecca Keogh, PhD, Postdoctoral Fellow, Department of Immunology and Microbiology, University

 of Colorado, 2022 - Date

* NIH K99 AI180373-01A1 application “The Diabetic Wound Environment Shapes Group B Streptococal Pathogenesis.” Senior Member of Mentoring Committee with Dr Kelly Duran. Awarded June 13, 2024.

Tara C. Carlisle, MD, PhD, Assistant Professor, Department of Neurology Behavioral Neurology

Section, 2023 - Date

* New NIH K23 “Sex differences in Alzheimers Disease.” Member of mentoring team with Drs Hillary Lum, Kerrie Moreau and Brianne Bettcher. Submitted June 2024.

***Medical Students*:**

Loyola University Chicago

Birgitte Brock, Medical Student, Department of Medical Microbiology, University of Aarhus, Denmark, 1988

S. William Stavropoulos, Medical Student, Loyola University Chicago, Stritch School of Medicine, summer 1991

Karin Dill, Medical Student, Stritch School of Medicine, summer 1993, research elective 1994 - 1995

Gia Viscardi, Medical Student, Stritch School of Medicine, 1993 - 1994

Catherine Aleman, Medical Student, Stritch School of Medicine, summer 1994 (co-sponsor with Dr. Luisa DiPietro)

Julian N. Llanas, Medical Student, Stritch School of Medicine, 1997 - 1998

Andrew E. Jahoda, Medical Student, Stritch School of Medicine, summer 1998

Mobeen Shirazi, Medical Student, Stritch School of Medicine, summer 1999

Jeremy Hoenig, Medical Student, Stritch School of Medicine, summer 1999

Elizabeth Mlynarczyk, Medical Student, Stritch School of Medicine, summer 2001

James Kwiatt, Medical Student, Stritch School of Medicine, summer 2001 (co-sponsor with Alessandra Colantoni, MD)

Eric Boehmer, MD/PhD Student, Stritch School of Medicine, summer 2001 and 2002

Scott Heinrich, Medical Student, Stritch School of Medicine, summer 2002

Timothy P. Plackett, Medical Student, Midwestern University School of Osteopathic Medicine, Downers Grove, IL, summer 2003

Michael Meehan, Medical Student, Stritch School of Medicine, January 2004 - August 2004

Vanessa Nomellini, MD/PhD Student, Stritch School of Medicine, summer 2004

Stefanie Hirano, Medical Student, Stritch School of Medicine, January 2005 - summer 2006

Charles Clark, Medical Student, Meharry Medical College, Nashville, TN, summer 2006

Arlene Carramiñana, Medical Student, University Diego Portales. Santiago, Chile, winter 2008

Aleah Brubaker, MD/PhD Student, Stritch School of Medicine, summer 2008, research elective 2012

Lauren Sakai, Medical Student, Stritch School of Medicine, June 2008 - June 2009 (co-sponsor with Carol R. Schermer, MD)

Gregory Stettler, Medical Student, Stritch School of Medicine, STAR Program, summer 2011, Research Elective 2012

Scott Janus, Medical Student, Stritch School of Medicine, STAR Program, summer 2011, Research Elective 2012 (co-sponsor with Michael Mosier, MD)

Michael M. Chen, MD/PhD Student, Stritch School of Medicine, summer 2011, Research Elective 2015

Robert Dunn, STAR Program, summer 2015 (co-sponsor with Majid Afshar, MD, MS)

Devin Boe, MD/PhD Student, Stritch School of Medicine, Summer 2014

University of Colorado

Max Lookabaugh, Medical Student Summer Research Program in Surgery, Summer 2023

***Undergraduate Research Supervisor****:*

Loyola University Chicago

Jill Soltys, Department of Medicine, University of Vermont, 1982 - 1984

Jennifer C. Schiller, Department of Biology, Rippon College, summer 1991

Lynn Podlasek, Department of Biology, Loyola University, summer 1998

Laura Ramirez, Department of Biology, University of Illinois, summer 2000

Charles Clark, Dept of Biology, Xavier University, New Orleans, LA, summers 2001, 2002, 2003

Brent T. Cutro, Department of Biology, St. Louis University, St. Louis, MO, summer 2004

Katharine Mongovan, Department of Medical Technology, Michigan State University, East Lansing, MI, summer 2005

Kelly Laurenti, Department of Biology, Saint Louis University, St Louis, MO, summer 2007

Emily Jacobs, Department of Biology, University of Wisconsin, Madison, WI, summer 2007

Russell Kesman, Jr., Department of Biology, University of Illinois, Champaign, IL, summers 2008, 2009, 2010

Jose Hernandez, Department of Biology, University of Illinois, Chicago, IL, summer 2008

Margaret Gavin, Department of Biology, Saint Louis University, St Louis, MO, summer 2009

Sara Hlavin, Department of Biology, Augustana University, Rock Island, IL, summer 2010

Nicole Liberio, Department of Biology, Vanderbilt University, Memphis, TN, summer 2010, 2011, 2012, 2013

Christian Carrera, Biology, University of Illinois Chicago, Chicago, IL, summer 2011, part-time fall 2010, summer 2012, summer 2013, part-time fall 2015

Kelsey Gallo, Department of Biology, Vanderbilt University, Memphis, TN, summers 2012 and 2013

Natalie Rodriguez, Undergraduate Dominican University, River Forest, IL, summers 2013

Melissa Hoo, Department of Biology, University of Minnesota, Minneapolis, MN, summer 2013, winter 2014, summer 2014.

University of Colorado Denver

W. Truett Davis, Colorado College, Colorado Springs, CO, summer 2018

Elizabeth Silber, Kalamazoo College, Kalamazoo, MI, summer 2021

***High School Students***:

Loyola University Chicago

Megan Rohan, St. Francis Preparatory School, summer 1995

Jane Jih, Illinois Math and Science Academy, 1997 - 1998

Corwen L. Baker, Holmer Green Upper School, Holmer Green, BUCKS, England, summer 2001

Jose Hernandez, Graduate, Morton East High School, Cicero, IL, summer 2006

Judith Landeros, Student, Morton East High School, Cicero, IL, summers 2006 and 2007

Lillianna Franco, Student, Morton East High School, Cicero, IL, summers 2006 and 2007

Christian Carrera, Student, Morton East High School, Cicero, IL, summer 2010

Natalie Rodriguez, Student, Morton East High School, Cicero, IL, summer 2012

Sierra Dixon, Student, Proviso Math and Science Academy, Maywood, IL, Dec 2012 – May 2013

David Romero, Student, Morton East High School, Cicero, IL, summer 2014, part time fall 2014 and spring 2015, summer 2015

University of Colorado

Ava Cohen, Student, Fairview High School, Boulder, CO, Summer 2023

Osvaldo (Ozzy) Longoria Sierra, Student, Rangeview High School, Aurora, CO, Spring and summer 2024

**Research Grant Support**:

***Current (PI, MPI or Co-I)****:*

“Alcohol and Burn Trauma: Multi-organ Inflammatory Responses” R35 GM131831-06. $288,400/$1,442,000 (Direct Costs). $2,249,520 total costs 5 years. Period: 07/01/24 – 06/30/29. P.I.

“Aging, macrophage mediators, and burn trauma.” NIH R01 AG018859-20. $332,830/$1,649,614 (Direct Costs). $2,565,102 total costs for 5 years. Period 09/30/20 – 05/31/25. P.I­.

“Alcohol and Immunology Research Interest Group (AIRIG) Meetings” NIH R13 AA020768-10. Scientific Meetings Grant Application. $20,000/$60,000 (Direct Costs). $60,000 total costs for 3 years. Period: 07/01/23 - 06/30/26. Multi-P.I. with Mashkoor A. Choudhry.

“Neuroinflammatory GeroMiRs and Alcohol: Defining mechanisms of ADRD.” NIH R01 AA030741-01A1. $321,344/$1,589,440 (Direct Costs). $2,461,685 total costs for 5 years. Period: 04/01/24 – 03/31/29. (P.I., Rebecca McCullough, PhD) Co-Investigator at 0.6 Calendar Months.

“Clinical resource for lung and alcohol investigations.” NIH R24 AA019661-11. $483,221/$2,416,105 (Direct Costs). $3,586,705 total costs for 5 years. Period: 01/01/24 - 12/31/29. (P.I., Ellen L Burnham, MD, MS) Co-Investigator at 0.6 Calendar Months.

“Aging, macrophage mediators, and burn trauma” NIH NIA AG018859-20-S1 Administrative Supplement for AD/ADRD. $250,000/$250,000 (Direct Costs), $390,000 total costs for 1 year. Period: 06/15/24 – 05/31/25. P.I. at 0.6 Calendar Months.

“Aging, burn injury, and liver failure.” NIH R01GM153949-01 $215,001/1,075,000 (Direct Costs) Period: 09/160/24 – 06/30/29 (P.I., Juan-Pablo Idrovo, MD) Co-Investigator at 0.6 Calendar Months (no salary support).

***Current (NIH Institutional Training Grants, NRSA Fellowships and NIH Career Development K Award Sponsor)****:*

“The role of advanced age on inflammasome activation in the brain after a cardiac arrest.” American Heart Association Second Century Early Faculty Independence Award. $100,000/$300,000 (Direct Costs). Period: 07/01/23-06/30/26. (PI, Jacob Basak, MD/PhD) Co-sponsor with Nidia Quillinan.

“The Diabetic Wound Environment Shapes Group B Streptococal Pathogenesis.” K99 AI180373-01A1 Period: 06/01/24 – 05/31/26. $92,593/185,078 (PI, Rebecca Keogh, PhD; Primary sponsor, Kelly Duran, PhD). Senior Member of Mentoring Committee.

“Mechanisms in trauma-induced coagulopathy” T32 GM008315-34. Period: 07/01/99 - 06/30/25. $370,870/$1,854,350 (Direct Costs). mPI, with M Cohen

“Integrated physiology of aging training grant” T32AG 000279-21. Period: 05/01/24 – 04/30/29. $637,160/$3,185,530 (Direct Costs). $3,403,935 total costs for 5 years. (P.I., K Moreau) Training faculty

“Medical Scientist Training Program” T32 GM1499361-02. Period: 07/01/23 – 06/30/28 $1,030,932/$5,154,660 (Direct Costs). $5,394,235 total costs for 5 years. (P.I., C Wilson) Training faculty

“Predoctoral training program in molecular and cellular biology” T32 GM136444-05. Peroid: 01/06/29 – 06/30/25. $418,510/$2,052,550 (Direct Costs). $1,876,995 total costs for 5 years. (mP.I., R Prekeris and JR Hesselberth) Training faculty

“Aging-associated changes in the brain’s response after cardiac arrest.”K08 NS135129-01A1. Period: 08/11/24 – 07/31/29. $207,782/$1,038,670 (Direct Costs) $1,122,120 total costs for 5 years (P.I., Jacob Basak, MD/PhD) Co-sponsor with N. Qillinan and V. Jevtovic-Todorovic

***Pending***:

“Mechanisms of neurogenic bladder dysfunction in a viral murine model of multiple sclerosis.” R01 DK116648-06. (PI, Anna Malykhina) Co-Investigator at 0.6 Calendar Months. Submitted July 2023 (Received 16th percentile, JIT submitted, awaiting notification of funding)

“Combining laboratory and ecological momentary assessment-based methods to determine age-related differences in the relationship between alcohol use, pain, and inflammation.” NIH R01 AA031494-01A1 $537,409/$2,687,045 (Direct Costs). Period: 01/01/25 - 12/31/30. (P.I., Jarrod M Ellingson) Co-Investigator at 1.2 Calendar Months. (Received 5th percentile, JIT submitted, awaiting notification of funding)

“Galectin-3 in Neutrophil Modulation and Disease Progression in Alcohol-associated Hepatitis.” R01 AA032261-01 $391,300/$1,956,500 (Direct Costs). Period: 04/01/25 - 03/31/30. (P.I. Nalu Navarro-Alvarez) Co-Investigator at 0.6 Calendar Months, co-I with C Huang and R McCullough, Submitted June 2024

“Aging, macrophage mediators, and burn trauma.” NIH R01 AG018859-21. $447,778/$2,238,890 (Direct costs). Period: 07/01/25 - 06/30/30. PI. at 3 Calendar Months. Submitted November 2024

“MDSC-meidiated immunosspression of innate immunity in post-sepsis secondary infection” NIH AI182387-01A1 $425,268/$1,944,114 (Direct Costs) Period: 07/01-25 – 06/30/30 (mPI, L Hind and R Tobin) Co-I at 0.24 Calendar Months. Submitted November 2024

“Critical Injury and Illness Training Program” T32 GM008315-36. $510,768/$2,553,840 (Direct Costs) Period: 07/01/26 - 06/30/31. mPI, M Cohen and EJ Kovacs. Submitted January 2025“Institutional research and academic career development (IRACDA) grant.” NIGMS K12 (PI, B Mandt) Training faculty. Submitted January 2025

“Graduate Experiences for Multicultural Students (GEMS)” NHLBI (PI, SC Flores) Training faculty. Submitted January 2025

“Molecular Mechanisms of Microbial Pathogenesis (M3P) Training Program” NIH NIAID T32. (mPI, K Doran and T Morrison) Training faculty. Submitted January 2025

“Anesthesia mentored research training.” T32 GM135169-06. Period: 07/01/26 – 06/30/31. (PI, V Jevtocic-Todorovic) Training Faculty. Submitted January 2025

***Planned:***

“Endothelial mechanisms of alcohol-induced acute pancreatitis and remote lung injury.” R01 NIAAA (PI J Cardenas) co-investigator. Planned for February 2025

“Alcohol intoxication exacerbates the gut-brain axis in patients who sustain mild traumatic brain injury.” NIAAA. R21 AA032345-01A1. (P.I. Andrew Hoisington) Co-Investigator at 0.24 Calendar Months, with L Brenner and S Bhaumik. A0 received overall score 46. A1 planned for submission March 2025

“Training in alcohol and multi-organ crosstalk” NIH NIAAA T32. (mPI, J Schacht and K Fritz) Training faculry. Planned for May 2025

“Alcohol, advance age and inflammatory responses” NIH NIAAA R01. P.I. Planned for June 2025

***Completed (PI):***

“Regulation of cytokine gene expression in immune cells.” Potts Foundation, $30,000 (Direct Costs). Period: 09/01/87 – 01/31/89. P.I.

“Control of cytokine gene expression in macrophages: role of second messenger pathways.” Office of

 Naval Research, $59,607/$159,607 (Direct Costs). Period: 11/01/88 – 09/30/92. P.I.

“Expression of fibrogenic cytokines by immune cells.” Elsa U. Pardee Foundation, $66,125/$148,525 (Direct Costs). Period: 08/01/90 – 11/30/92. P.I.

“Cytokine and MHC gene expression in rat cardiac transplants.” American Heart Association, $20,000 (Direct Costs). Period: 07/01/91 – 06/30/92. (L.A. Piccinini, P.I.) Collaborating Invest.

“Control of expression of the human interferon-γ gene.” American Cancer Society, Illinois Division, $31,500 (Direct Costs). Period: 09/01/92 – 02/28/94. P.I.

“Expression of fibrogenic cytokine genes in the lungs of patients with systemic sclerosis.” RGK Foundation, $30,000/$58,500 (Direct Costs). Period: 04/01/92 – 03/31/95. P.I.

“Role of estrogen in the development of peritoneal adhesions.” Potts Foundation, $21,400 (Direct Costs). Period: 09/01/92 – 12/31/95. P.I­.

“Therapeutic intervention for peritoneal adhesion formation: I. Pilot studies on fibrin sealant.” Baxter Healthcare Corporation. $23,000 (Direct Costs). Period: 10/15/96 – 12/31/97. P.I.

“Estrogen regulation of cytokine gene expression.” NIH R01 GM55344. $94,603/375,007 (Direct Costs). Period: 05/01/96 – 04/30/00. P.I.

“Ethanol effects on recovery from thermal injury.” NIH R21 AA11134. $70,000/$140,000 (Direct Costs). Period: 09/30/96 – 08/31/99. P.I.

 “Aging, macrophage mediators, and burn trauma.” NIH R03 AG16067. $50,000 (Direct Costs). Period: 08/01/98 – 07/31/01. P.I­.

“Development of Alcohol Research Program.” Illinois Excellence in Academic Medicine Grant. $50,000/$150,000 (Direct Costs). 01/01/01 – 12/31/03. P.I.

“Ethanol effects on recovery from thermal injury.” NIH R01 AA012034 $141,070/$532,384 (Direct Costs). Period: 08/01/99 – 04/30/04. P.I.

“Ethanol effects on recovery from thermal injury.” NIH R01 AA012034-03S1 $100,000/$200,000 (Direct Costs). Period: 09/01/01 – 04/30/04. P.I.

“Alcohol and Immunology Research Interest Group Meetings.” NIH R13 AA015276-01 (Scientific Meetings Grant Application) $20,000 (Direct Costs). Period: 7/1/04 – 6/30/05. P.I.

“Aging, macrophage mediators, and burn trauma.” NIH R01 AG018859. $200,000/900,000 (Direct Costs). Period: 02/01/01 – 08/31-06. P.I­.

“Aging, macrophage mediators, and burn trauma.” NIH R01 AG018859-05-S1. $40,000/59,000 (Direct Costs). Period: 09/09/05 – 08/31/06. P.I­.

“Alcohol and immunology research interest group meeting.” NIH R13 AA016057 (Scientific Meetings Grant Application) $16,250 (Direct Costs). Period: 11/10/05 – 11/30/06. P.I.

“Development of Alcohol Research Program.” Illinois Excellence in Academic Medicine Grant. $75,000/$225,000 (Direct Costs) 01/01/04 – 12/31/06. P.I.

“Training in neuroimmunoendocrine effects of alcohol.” NIH T32 AA013527 $180,452/$772,092

 (Direct Costs). Period: 07/01/02 - 06/30/16. P.I.

“Alcohol and immunology research interest group meeting.” NIH R13 AA016751 (Scientific Meetings Grant Application) $17,500 (Direct Costs). Period: 09/25/06 – 08/31/07. P.I.

“Alcohol and Trauma 2007: Satellite Meeting at Shock Society Meeting” NIH R13 GM080954 (Scientific Meetings Grant Application) $5,000 (Direct Costs). Period: 06/01/07 – 05/31/08. P.I.

“Ethanol effects on recovery from injury.” NIH R01 AA012034-05. $200,000/$800,000 (Direct Costs). Period: 5/1/04 – 6/30/08. P.I.

“Margaret A. Baima Endowment Fund for Alcohol Research. $43,000 (Direct Costs). Period: 09/22/08 – 06/30/09. P.I.

“Alcohol and immunology research interest group meeting.” NIH R13 AA017084-01-S1 (Scientific Meetings Grant Application) $5,600 (Direct Costs). Period: 08/01/07 – 07/31/09. P.I.

“Supplement to ethanol effects on recovery from injury.” NIH R01 AA012034-09A1S1. $18,000 (Direct Costs). Period: 08/28/08 - 06/30/09. P.I.

“Inflammatory response after combined insult of radiation and burn injury” NIH R21AI080528-02 $125,000/$250,000 (Direct Costs) Period: 07/01/08 - 07/26/10. P.I.

“Alcohol and Immunology Research Interest Group Meeting: Systemic and organ specific inflammatory responses after alcohol exposure.” NIH R13 AA017084-01 (Scientific Meetings Grant Application) $17,750 (Direct Costs). Period: 08/01/07 - 07/31/10. P.I.

“Burn Trauma and Infection: Sex Differences.” Department of Defense. W81XWH-07-1-0673 $431,209/$812,771 (Direct Costs) Period: 12/01/07 - 08/17/10. (Richard H Kennedy, P.I) Co-PI.

“Neuroimmunoendocrine responses to alcohol and burn injury.” Dr. Ralph and Marian C. Falk Medical Research Trust. $60,000 (Direct Costs). Period: 07/01/03 - 6/31/11. P.I.

“Natural Killer T cell modulation of cutaneous wound healing.” NIH R21 AI073987-02
$150,000/$275,000 (Direct Costs). Period: 09/01/09 - 07/31/11. P.I., transferred from D.E. Faunce.

“Administrative supplement to study ethanol effects on recovery from injury.” NIH R01 AA012034-11S1. $49,847 (Direct Costs) Period: 08/19/10 - 06/30/12. P.I.

“Training in neuroimmunoendocrine effects of alcohol.” NIH T32 AA13527-09. $232,078/$1,160,390

 (Direct Costs) Period: 07/01/07 - 06/30/12. P.I.

“Therapeutic interventions for combined radiation and burn injury” NIH U19AI067798-07 RadCCORE sub-contract. $70,000 (Direct Costs). Period: 09/01/11 - 8/31/12. (P.I., Nelson J. Chao, Duke University), Pilot Project P.I.

“Loyola Alcohol Research Center (LARC).” (Biomedical Research Core Centers to Enhance Research Resources.) NIH P30 AA019373. $300,000/$600,000 (Direct Costs). Period: 9/30/09 - 08/31/12. P.I.

“Aging, macrophage mediators, and burn trauma.” NIH R01 AG018859. $184,500/969,000 (Direct Costs). Period: 09/01/06 - 08/31/13. P.I­.

“Development of Alcohol Research Program.” Illinois Excellence in Academic Medicine Grant. $75,000/$225,000 (Direct Costs). Period: 01/01/07 - 3/31/10. P.I.

“Trauma and Burn Injury Research.” Dr. Ralph and Marian C. Falk Medical Research Trust. $255,000/$510,000 (Direct Costs) Period: 07/01/09 - 12/31/12. P.I.

“Trauma and Burn Injury Research.” Dr. Ralph and Marian C. Falk Medical Research Trust. $255,000/$510,000 (Direct Costs) Period: 07/01/12 - 06/30/14. P.I.

“Ethanol effects on recovery from injury.” NIH R01 AA012034. $273,969/$1,427,516 (Direct Costs). Period: 07/01/08 - 03/31/15 P.I.

“Trauma and Burn Injury Research.” Dr. Ralph and Marian C Falk Medical Research Trust. $255,000/$510,000 (Direct Costs) Period: 07/01/13 – 06/30/15. P.I.

“Inflammatory response after combined insult of radiation and burn injury” NIH R33AI080528-05 $250,000/$750,000 (Direct Costs) Period: 07/26/10 – 07/31/15. P.I.

“Alcohol and Immunology Research Interest Group (AIRIG) Meetings” NIH R13 AA020768-03. Scientific Meetings Grant Application. $17,952/$61,188 (Direct Costs). Period: 08/05/11 - 07/31/15. P.I.

“Training in neuroimmunoendocrine effects of alcohol.” NIH T32 AA13527-14. $315,787/$1,748,403

(Direct Costs). Period: 07/01/13 – 3/31/16. P.I., transferred to M.A. Choudhry, effective 04/01/16

“Alcohol and Immunology Research Interest Group (AIRIG) Meetings” NIH R13 AA020768-06. Scientific Meetings Grant Application. $17,452/$59,904 (Direct Costs). Period: 07/03/15 - 06/30/19. Multi-P.I. with Mashkoor A. Choudhry.

“Intoxication, lung mesenchymal stem cells and pulmonary infection” NIH R21AA023193-02 $118,656/$375,000 (Direct Costs) Period: 06/01/15 – 05/31/19. P.I.

“Ethanol effects on recovery from injury.” NIH R01 GM115257-18 (formerly AA012034). $247,340/$1,060,000 (Direct Costs). Period: 04/01/15 – 03/31/20. (NCE) P.I.

“Alcohol and lung immunity in the aged.” R21 AA026295-02. Period: 09/05/18 – 08/31/22. NCE $143,750/$262,500 (Direct Costs) P.I.

“Alcohol and Immunology Research Interest Group (AIRIG) Meetings” NIH R13 AA020768-09. Scientific Meetings Grant Application. $1/$60,000 (Direct Costs). Period: 03/01/19 - 06/28/23 (NCE). Multi-P.I. with Mashkoor A. Choudhry.

“Multi-organ Inflammatory Response after Burn Trauma.” VA Merit Award Application 1 I01 BX004335-05. Period: 04/01/19 – 03/31/24. $250,000/$1,050,000 (Direct Costs) P.I.

“2021 and 2023 Alcohol-Induced End Organ Diseases Gordon Research Conference” NIH R13 AA028908-03. Meetings grant application for Gordon Conference meetings 2021-2023. Period: 02/20/21- 01/31/24. $24,999/$50,000 (Direct Costs)

“Alcohol and Burn Trauma: Multi-organ Inflammatory Responses” R35 GM131831-05. Period: 09/20/19 – 06/30/24. $280,000/$1,400,000 (Direct Costs), $2,565,102 total costs for 5 years. P.I.

***Completed (Co-Investigator):***

“Pulmonary neutrophil sequestration following scald injury in IL-8 R knockout mice.” Genentech, Inc. $7,500 (Direct Costs). Period: 07/01/95 – 06/30/97. (David Dries, P.I.) Co-PI.

“Estrogen, cytokine, and liver aging.” NIH R03 AG019436 $50,000 (Direct Costs). Period: 05/01/01 – 04/30/02. (Alessandra Colantoni, P.I.) Collaborator.

“Intestinal T cell function after alcohol and burn injury.” NIH R21 AA12901-01A1 $100,000/$300,000 (Direct Costs). Period: 09/01/01 – 08/31/04. (Mashkoor A Choudhry, P.I.) Investigator

“A role for natural killer T cells in aging-related immune dysfunction.” American Foundation for Aging Research $50,000/$100,000. Period: 10/01/03 – 09/30/05. (Douglas E Faunce, P.I.) Collaborator

“Mechanisms of beneficial effect of insulin in the thermally injured mouse as a model of critical illness.” Adventis Pharmaceuticals, Inc. $15,000 (Maryann Emanuele, P.I.) Collaborator

“Inflammatory cell recruitment in acute injury.” NIH GM55238-05 $225,000/$1,125,000 (direct

 costs). Period: 4/1/02- 3/31/08. (Luisa A DiPietro, P.I.) Co-investigator­.

“HIV-1 protein neurotoxicity and ethanol preconditioning” NIH R01 AA013568. $250,000/$825,000. Period: 05/1/03 – 4/30/08. (Michael A Collins, P.I.) Collaborator.

“Mechanisms of neuropathic pain in demyelinated nerves” NIH R01 NS049136. $225,000/$1,050,000 (Direct Costs). Period: 07/01/05 – 06/30/09. (Fletcher A. White, P.I.) Collaborator.

“Natural Killer T cells and the immune response to injury.” NIH R01 AI056108-05 $186,030/$1,050,000 (Direct Costs). Period: 02/15/04 – 01/31/10. P.I. (transferred 07/21/08 from Douglas E. Faunce)

“Training in immunology and aging” NIH T32 AG031780-02. $58,827/147,729. (Direct Costs) Period: 07/01/09 - 06/30/12. (Pamela L Witte, P.I. and Director), Co-Investigator and Associate Director.

“Interactive effects of ethanol and estrogen on brain vasopressin during puberty.” NIH R21 AA018398-01. $150,000/300,000 (Direct Costs) Period: 09/20/09 - 08/31/11. (Toni R Pak. P.I.) Co-investigator.

“Burn Trauma and Infection: Inflammatory Responses.” Department of Defense. USAMRAA W81XWH-09-1-0619. $1,358,000 (total costs). Period: 09/01/09 - 08/31/12 (Richard H Kennedy, P.I) Co-PI.

“Interleukin-18 and intestinal barrier function following alcohol and burn injury.” NIH R21 AA015979 $50,000/$100,000 (Direct Costs). Period: 10/01/06 - 09/30/12. (Mashkoor A Choudhry, P.I.) Collaborator.

“Trauma center brief alcohol treatments and cost effectiveness.” NIH R01 AA015067-05 $347,555/1,755,404 (Direct Costs). Period: 08/01/06 - 07/31/13. (Thomas J Esposito, P.I., transferred from Carol R Schermer, 01/01/09) Co-Investigator.

“Burn Trauma and Infection: Inflammatory Responses.” Department of Defense. USAMRAA W81XWH-10-2-0172. $1,700,000 (total costs). Period: 08/19/10 - 09/30/14. (Richard H Kennedy, P.I) Co-PI.

“Effects of infection on burn-induced hypermetabolism and organ dysfunction.” Department of Defense. USAMRAA. W81XWH-11-1-0559 $1,398,000 (total costs). Period: 09/01/11 – 09/06/15 (P.I., Richard H Kennedy) Co-investigator.

“The aging immune system: Mechanisms and restoration” NIH R13 AG044133-01 $27,809 (Direct Costs). Period: 03/15/15 – 09/15/15 (Daniela Frasca, P.I.) Co-Investigator

“The effects of binge ethanol on neuroinflammation and functional recovery after TBI.” NIH R21 AA020951-02. $125,000/$275,000 (Direct Costs). Period: 08/01/13 – 7/31/16. (Gwendolyn Kartje, P.I.) Co-investigator.

“Integrative physiology of aging training grant.” T32 AG000279-15 Institutional Training Grant $279,555 (Direct Costs) Period: 05/01/16 – 04/30/17. (P.I., Robert Schwartz, MD) Lisbeth A Boule, Post-doctoral fellow. Co-Sponsor with Brenda J. Curtis

“Clinical resource for lung and alcohol investigations.” NIH R24 AA019661. Loyola University component $146,524 (Direct Costs). Period: 08/01/11 - 07/30/17 NCE. (P.I. Ellen L Burnham, University of Colorado) Co-investigator

“Alcohol and intestinal inflammatory response: the role of intestinal microbiota.” NIH R21 AA022324-01A1 $125,000/$275,000 (Direct Costs). Period: 03/10/15 – 02/28/18 (NCE). (P.I., Mashkoor A. Choudhry) Co-investigator

“The Role of Alcohol and Acetaldehyde in Melanoma.” UCCC – NORC Metabolism and Cancer. $40,000 (Direct Costs) Period 12/01/20 – 11/30/22. (mPI, M Fujita and B Bergman) Co-Investigator

“Ethanol induced skin changes.” NIH R21 AA028904-01A1. Period: 09/01/21 – 07/31/23. $143,750/$268,000 (Direct Costs). (P.I., Mayumi Fujita, MD) Co-Investigator.

“Clinical resource for lung and alcohol investigations.” NIH R24 AA019661-10. $464,656/$2,339,372 (Direct Costs) Period: 05/05/18 - 04/31/24 NCE. (P.I., Ellen L Burnham, MD, MS) Co-Investigator.

***Completed (NRSA Fellowship and Career Development Award Sponsor):***

“Minority Access to Research Funding” American Society for Cell Biology, Bethesda, MD $15,000 (Direct Costs) Period: 07/01/96 – 06/30/98. Mentor­. Funds covered the stipend and supplies for Youvraj Shoni, PhD Asst. Prof. of Biology, Alabama A&M University, Normal, AL

“Macrophage function in aged mice following estrogen replacement” American Academy of Allergy, Asthma, and Immunology. $2000 (Direct Costs), summer stipend 2004. (Vanessa Nomellini MD/PhD student) Sponsor/supervisor

“Acute ethanol and TLR-signaling in macrophages.” NIH NRSA F31 AA015019. $11,897 (Direct Costs) Period: 07/01/04 - 02/15/05. (P.I., Joanna Goral, Predoctoral Trainee, Cell Biology, Neurobiology and Anatomy) Sponsor

“Acute ethanol exposure and the angiogenic response” NIH NRSA F31 NIAAA. $19,180 (Direct Costs) Period: 02/01/05- 01/31/05 (P.I., Katherine A. Radek, Predoctoral trainee, Biochemistry) Co-Sponsor with Luisa A DiPietro.

“Administrative supplement for summer stipends to study ethanol effects on recovery from injury.” NIH R01 AA012034-10S1. $11,094/22,118 (Direct Costs) Period: 10/01/09 - 09/30/11. P.I. and Sponsor

 “Program to develop research in immunology of aging.” NIH K07AG00997 $100,000/$540,000 (Direct Costs). Period: 04/15/00 – 03/31/06. (Pamela L Witte, P.I.) Co-P.I­.

“The effects of alcohol intoxication on inflammation and pulmonary outcomes after burn injury” International Association of Fire Fighters. (Joslyn M Albright, M.D, Surgical Resident, Department of Surgery). Period: 07/01/08 - 06/30/09. Co-Sponsor with Richard L Gamelli and Carol R Schermer.

“Pulmonary bacterial clearance of acute ethanol and burn injury.” NIH NRSA F31 AA017032-02. $26,336/$52,672 (Direct Costs) Period: 01/01/08 - 12/31/09. (P.I., Eva L Murdoch, Predoctoral Trainee, Department of Cell Biology Neurobiology, & Anatomy) Sponsor.

“Effects of binge ethanol exposure on clearance of HSV-1.” NIH NRSA F32 AA018068-01. $52,346/$103,624 (Direct Costs) Period: 11/01/08 - 10/31/09. (P.I., Melanie D Bird, PhD, Postdoctoral Trainee) Sponsor.

“Aging effects on acute lung inflammation after burn injury.” NIH NRSA F30 AG029724-02. $26,892/$107,568 (Direct Costs). Period: 04/01/07 - 06/01/10. (P.I., Vanessa Nomellini, MD/PhD Predoctoral Trainee, Biochemistry) Sponsor.

“Alcohol and impaired macrophage phagocytosis.” NIH NRSA F31 AA017027-03. $26,336/$79,008 (Direct Costs) Period: 01/01/08 – 9/15/10. (P.I., John Karavitis, PhD Predoctoral Trainee, Cell Biology Neurobiology, & Anatomy) Sponsor.

“Alcohol and bone fracture repair.” NIH NRSA F31 AA019613-01. $27,912/$55,824 (Direct Costs) Period: 04/08/10 – 3/31/12. (P.I., Kristen Lauing, Predoctoral Trainee, Cell Biology, Neurobiology, & Anatomy) Co-sponsor with John J Callaci, PhD.

“Ethanol increases post-burn intestinal permeability: IL-6-induced MLCK activation.” NIH NRSA F31 AA 019913-03. $73,407 (Total Costs) Period: 08/19/10 - 03/30/12. (P.I., Anita Zahs, Predoctoral Trainee, Biochemistry.) Sponsor.

“Epigenetic misregulation of immune responses after alcohol exposure and injury”. NIH NRSA F32 AA021636-01. Period: 10/01/12 - 09/30/13. (P.I. Brenda J. Curtis, Postdoctoral Trainee) Co-sponsor with Katherine A. Radek, PhD

“Effects of acute ethanol exposure on post burn intestinal immunity: Role of IL-23.” NIH NRSA F30 AA020167-04. $139,331 (Total Costs) Period: 03/01/11 - 05/15/14. (P.I., Juan Rendon, MD/PhD Student, Cell Biology Neurobiology and Anatomy.) Co-sponsor with MA Choudhry, PhD.

“The effect of alcohol exposure on human Treg induction and CD36HI monocyte biology.” NIH NRSA F30 AA021323-02. $28,957/152,378 (Direct Costs) Period: 03/08/12 - 3/07/16. P.I., Kathleen Jaeger, MD/PhD Student, Microbiology & Immunology. Co-sponsor with M Iwashima, PhD.

“Pro-inflammatory Effects of Acute Alcohol Ingestion in Humans.” NIH NRSA F32 AA022553 Period: 09/01/13 - 08/31/14. (P.I. Majid Afshar, MD, MS, University of Maryland, Baltimore, MD) Advisor.

“Pulmonary inflammation after intoxication and burn injury may be attenuated with bradykinin antagonism” American Medical Association Foundation Seed Grant. Period:  04/01/14 - 03/31/15. $2,500 (P.I., Michael M. Chen, MD/PhD Student, Integrative Cell Biology) Sponsor.

“Ethanol, lung mesenchymal stem cells and pulmonary inflammation after burn injury.” NIH NRSA F31 AA022566-03. Period: 09/01/13 – 09/30/15. $32,275/$96,825 (P.I. Jill (Ippolito) Shults, Predoctoral Trainee, Integrative Cell Biology) Sponsor.

“Kupffer cell activation and hepatic injury after ethanol and burn.” NIH NRSA F30 AA022856-03. Period: 09/15/13 – 06/14/17. $32,275/$159,014 (P.I., Michael M. Chen, MD/PhD Student, Integrative Cell Biology) Co-sponsor with Mashkoor A. Choudhry

“A role for autophagy in gut barrier disruption after alcohol and traumatic injury.” NIH NRSA F31 AA024367-01-A1. $34,445/$68,890 Period: 08/01/16 – 06/31/17. (P.I. Adam Hammer, Pre-doctoral Trainee, Integrative Cell Biology) Co-Sponsor with Mashkoor A. Choudhry, PhD.

“Alcohol and Lung Transplantation: Understanding donor and recipient consequences.” NIH Mentored Patient-Oriented Research Career Development Award K23 AA022126-05 $178,416/$892,080 (Direct Costs) Period: 02/01/14 – 01/31/20. (NCE) (P.I., Erin Lowery, MD, MS) Co-sponsor with Mashkoor A. Choudhry

“Ethanol effects on pulmonary innate immunity in a murine model of aging” F31 AA027687-03 NRSA predoctoral fellowship $33,043/$99,129 (Direct Costs). Period: 07/01/19 – 06/30/22. (P.I., Holly Hulsebus, MPH) Sponsor.

“Quantifying the effects of alcohol use on antiviral adherence.” F31 AA028977-02, NRSA predoctoral fellowship. $32,540/$97,620 (Direct Costs). Period: 09/01/20 – 08/31/22. (P.I., Sara Lanah, PhD student, Department of Pharmaceutical Sciences, Skaggs School of Pharmacy). Co-sponsor with Jennifer Kiser.

 “Impact of chronic alcohol consumption on the functional and epigenetic landscapes of monocytes and their progenitors.” F31 AA 028704-02, NRSA predoctoral fellowship $40,156/$120,468 (Direct Costs). Period: 09/01/20 – 08/31/22. (P.I., Sloan Lewis, PhD student, Department of Molecular Biology and Biochemistry, University of California Irvine) Co-Sponsor with Ilhem Messoudi.

“Alcohol exposure, burn injury and acute respiratory distress syndrome.” NIH Mentored Patient-Oriented Research Career Development Award K23 AA024503-05 $168,990/$834,950 (Direct Costs) Period: 09/01/16 – 08/31/22. (P.I., Majid Afshar, MD, MS, Assistant Professor University of Wisconsin) Co-sponsor with Richard Cooper.

“Aging and burn injury: Intestinal barrier dysfunction” T32 postdoctoral fellowship, Integrative Physiology of Aging Training Grant AG000279 (Trainee, Travis Walrath, PhD; P.I., K Moreau), Mentor/Sponsor

“Therapeutic activation of AMPK for the aging right heart” NIH Mentored Career Development Award K01 AG058810-05. $122,317/$489,268 (Direct Costs). Period: 03/01/18 – 11/30/23. (P.I., Danielle R. Bruns, PhD, Assistant Professor, Division of Kinesiology and Health, University of Wyoming) Co-sponsor, Lori Watkins and Mary Weiser-Evans.

“The gut-brain axis at the intersection of aging and traumatic injury” NIH NIA F32 AG023443-01 NRSA postdoctoral fellowship. $71,792/$71,792 (Direct Costs). Period: 06/01/23 – 05/31/24. (P.I. Travis Walrath, PhD) Co-sponsor with M. Patel.

“The neuroinflammatory impact of binge ethanol exposure in aged mice: Investigating microglia NLRP3 regulation” NIH NIAAA F31 AA030213-02. $35,552/$106,656 (Direct Costs). Period: 09/01/22 – 08/31/25 (P.I. Paige Anton, PhD student, Department of Pharmaceutical Sciences, Skaggs School of Pharmacy). Co-Sponsor with R. McCullough and M. Patel.

“Ethanol, burn and lung antimicrobial peptides” T32 predoctoral fellowship, Predoctoral Training Program in Molecular and Cellular Biology GM136444. Period: 07/01/22 – 06/30/24 (Trainee, Shanawaj (Roy) Khair, MSTP student, Molecular Biology Program; PI, Rytis Pekeris, Department of Cell and Developmental Biology)

“Hepatic response in advance age after burn injury” K08 GM134185-05 Mentored Clinician Scientist Research Career Development Award. Period $175,040/$875,200 (Direct Costs). Period: 09/15/19 – 08/31/24 (PI, Juan-Pablo Idrovo, MD) Sponsor

**Research Interests**:

Overall focus: The effects of advanced age and alcohol intoxication on inflammatory responses after injury or infection.

1. Binge alcohol intoxication and inflammatory/immune responses after injury and/or infection. Systemic and organ-specific inflammatory response after burn injury with or without pulmonary infection, including the gut-liver-lung axis. Effects of ethanol on macrophage and neutrophil recruitment, activation and function. Macrophage phenotype and function. Toll-like receptor (TLR) mediated signal transduction, cytokine and chemokine production, receptor expression, phagocytosis and bacterial killing, apoptosis and chemotaxis. Effects of alcohol on lung microbiome. Mesenchymal stem cells and inflammatory responses.
2. Inflamm-aging, “macroph-aging” and immunosenescence: Age-dependent effects on pulmonary response after remote injury or infection. Inflammatory and cutaneous wound infection in young vs. aged subjects. Role of intestinal barrier integrity and gut microbiome in health and disease. Aging, innate immunity and lung microbiome. TLR activation and mitogen activated protein (MAP) kinases in macrophages. Sex differences and hormone replacement alter inflammatory and immunity after burn injury in the aged.
3. Translational studies in burn patients: Systemic and pulmonary inflammatory response to burn injury, smoke inhalation and infection. Effect of smoke inhalation on acute lung injury and acute respiratory distress syndrome. Alcohol intoxication and trauma.
4. Alcohol, cannabinoids and lung inflammation: Examination of the pulmonary and systemic effects of combined use of alcohol and marijuana. Comparing the effects of smoking, vaping and edibles on alveolar macrophage phenotype and function.

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162. Faunce, D.E., Witte, P.L., and **Kovacs** E.J. NKT cells contribute to age-related immune dysfunction. Satellite Symposium on Innate Immunity and Aging, 36th Annual Meeting of the Society for Leukocyte Biology, Philadelphia, PA, October 2003.
163. Choudhry, M.A., Plackett, T.P. Schilling, E.M., Faunce, D.E., Gamelli, R.L. and **Kovacs**, E.J. Mesenteric lymph node (MLN) T cell responses in aged and young mice after burn injury. Satellite Symposium on Innate Immunity and Aging, 36th Annual Meeting of the Society for Leukocyte Biology, Philadelphia, PA, October 2003.
164. **Kovacs**, E.J., Messingham, K.A.N., Jarrett, J.C., Schilling, E.M., and Faunce, D.E. Gender, cellular immunity, and macrophage IL-6 and IL-10 after alcohol and burn. 36th Annual Meeting of the Society for Leukocyte Biology, Philadelphia, PA, October 2003.
165. Goral J. and **Kovacs**, E.J. In vivo ethanol exposure suppresses TLR2, 4 and 9-mediated macrophage inflammatory responses. 36th Annual Meeting of the Society for Leukocyte Biology, Philadelphia, PA, October 2003.
166. Faunce, D.E., Gamelli, R.L., and **Kovacs** E.J. Injury-induced immune suppression involves CD1d activation of NKT cells 36th Annual Meeting of the Society for Leukocyte Biology, Philadelphia, PA, October 2003.
167. Plackett, T.P., Jarrett, J.C., and **Kovacs**, E.J. Ethanol, injury, and aging: Influences on the immune response. Autumn Immunology Conference, Chicago, IL, Nov. 2003.
168. Boehmer, E.D., Goral, J., Faunce, D.E., and **Kovacs**, E.J. Age-related alterations in signaling through the macrophage Toll-like receptor 4 pathway correlates with reduced proinflammatory cytokine production. Autumn Immunology Conference, Chicago, IL, Nov. 2003.
169. Garner, J.L. Jarrett, J.C., Schilling, E.M, and **Kovacs**, E.J. Acute ethanol exposure delays hepatic response following burn injury. Autumn Immunology Conference, Chicago, IL, Nov. 2003.
170. Goral J. and **Kovacs**, E.J. Inhibitory effect of ethanol exposure on TLR2, 4 and 9-mediated macrophage inflammatory responses. Autumn Immunology Conference, Chicago, IL, Nov. 2003.
171. Faunce, D.E. Gamelli, R.L., and **Kovacs** E.J. Suppression of T cell immunity after injury by NKT cell-derived IL-4. Autumn Immunology Conference, Chicago, IL, Nov. 2003.
172. Radek, K.A., **Kovacs**, E.J. and DiPietro, L.A. The proliferative phase of dermal wound healing is impaired by acute ethanol exposure. NIAAA training grant trainee workshop, Indianapolis, IN, November 2003.
173. White, F.A., Ripsch, M., Kwiatt, M., Cutro, B., and **Kovacs**, E.J. The effect of acute ethanol exposure on peptidergic innervation of the wound edge after burn injury. Experimental Biology, Washington, DC, April 2004.
174. Radek, K.A., **Kovacs**, E.J., and DiPietro, L.A. Acute ethanol exposure impairs endothelial cell responses that are essential for angiogenesis.Experimental Biology, Washington, DC, April 2004.
175. **Kovacs**, E.J., Schilling, E.M., Gamelli, R.L., and Faunce, D.E. Prolonged immunosuppression in female mice exposed to the combined insult of ethanol and burn is associated with IL-6 and IL-10 production. 27th Annual Conference on Shock, Halifax, Nova Scotia, June 2004.
176. Faunce DE., Gamelli, R.L., and **Kovacs** E.J. Prevention of burn-induced immune dysfunction with NKT cells-specific ligand, α-galactosylceramide (αGalCer). 27th Annual Conference on Shock, Halifax, Nova Scotia, June 2004.
177. Goral, J. and **Kovacs** E.J. In vivo ethanol exposure suppresses macrophage inflammatory responses mediated by Toll-like receptors (TLRs) 2, 4 and 9. Annual Meeting of the Research Society on Alcoholism, Vancouver, BC, Canada, June 2004
178. Radek, K.A., DiPietro, L.A., and **Kovacs**, E.J. Acute ethanol exposure impairs wound angiogenesis. Annual Meeting of the Research Society on Alcoholism, Vancouver, BC, Canada, June 2004
179. **Kovacs**, E.J., Plackett, T.P., Boehmer, E.D., Faunce, D.E., Witte, P.L., and Jarrett, J.C. Are elevated IL-6 levels responsible for the suppressed cellular immune responses seen in aged mice? 12th International Congress of Immunology and 4th Annual Conference of FOCIS, Montreal, Quebec, Canada. July 2004.
180. Boehmer, E.D. and **Kovacs**, E.J. Aging defects in macrophage signaling. 12th International Congress of Immunology and 4th Annual Conference of FOCIS, Montreal, Quebec, Canada. July 2004.
181. Goral, J., and **Kovacs**, E.J. Acute in vivo ethanol exposure down-regulates macrophage inflammatory responses mediated by Toll-like receptors (TLR) 2, 4, and 9. 12th International Congress of Immunology and 4th Annual Conference of FOCIS, Montreal, Quebec, Canada. July 2004.
182. Faunce, D.E., Witte, P.L., and **Kovacs**, E.J. A role for CD1d-restricted NKT cells in immunosenescence. American Federation of Aging Research Annual Meeting, Baltimore, MD 2004.
183. Choudhry, M.A., Chaudry, I.H., and **Kovacs**, E.J. Aging and burn injury. Basic Biology of Aging Research. University of Alabama Birmingham and Emory University, Birmingham AL, April 2004.
184. **Kovacs**, E.J. Increased susceptibility to pseudomonas infection of burn injured mice given alcohol prior to injury. Alcohol and Immunology Research Interest Group Meeting, Satellite Conference of the 37th Annual Meeting of the Society for Leukocyte Biology, Toronto, Ontario, CA, Ontario, CA, October 2004.
185. Gomez, C., Acuña-Castillo, C., Pérez, V., Nishimura, S., Sell, C., **Kovacs**, E.J., Quinn, D., Sierra, F., and Walter, R. Delay in the expression of MIP-1 is related to a temporal defect in the acute phase response of aged F344 rats. 37th Annual Meeting of the Society for Leukocyte Biology, Toronto, Ontario, CA, October 2004.
186. Radek, K.A., Fitzgerald, D., Heinrich, S.A., **Kovacs**, E.J., and DiPietro, L.A. Acute ethanol exposure disrupts cytokine expression during wound healing. 37th Annual Meeting of the Society for Leukocyte Biology, Toronto, Ontario, CA, October 2004.
187. Goral, J., and **Kovacs**, E.J. Macrophage inflammatory responses mediated by Toll-like receptors (TLR) 2, TLR4 and TLR9 are suppressed by acute in vivo ethanol exposure. 37th Annual Meeting of the Society for Leukocyte Biology, Toronto, Ontario, CA, October 2004.
188. **Kovacs**, E.J., Plackett, T.P., Boehmer, E.D., Ramirez, L., Witte, P.L., and Faunce, D.E. IL-6 deficiency and cellular immune responses in aged mice. 37th Annual Meeting of the Society for Leukocyte Biology, Toronto, Ontario, CA, October 2004.
189. Su, Y., Yu, Z., **Kovacs**, E.J., and Witte, PL. SDF-1 is elevated in the bone marrow of aged mice. Midwest Autumn Immunology Conference, Chicago, IL, November 2004.
190. Fitzgerald, D.J., Radek, K.A., DiPietro, L.A., and **Kovacs**, E.J. Ethanol exposure alters chemokine expression during wound healing. Midwest Autumn Immunology Conference, Chicago, IL, November 2004.
191. **Kovacs**, E.J. Estrogen replacement improves cell-mediated immunity in aged mice after burn injury. National Institute on Aging (NIA) Workshop: Endocrine-Immune Systems Interactions in Aging, Potomac, MD, April 2005.
192. Radek, K.A., **Kovacs**, E.J., and DiPietro, L.A. Acute ethanol exposure disrupts extracellular matrix remodeling during wound healing. Experimental Biology, San Diego, CA, April 2005.
193. Boehmer, E.D., Meehan, M.J., and **Kovacs**, E.J. Defect in signaling in macrophages from aged mice is limited to Toll-like receptor-mediated pathways: IL-2-mediated activation of NF-B and cytokine production is not impaired. Experimental Biology, San Diego, CA, April 2005.
194. Su, Y., **Kovacs**, E.J., Witte, P.L. Effect of SDF-1 (CXCR12) on B-cell homeostasis in the bone marrow of aged mice. Experimental Biology, San Diego, CA, April 2005.
195. Gomez, C., Boehmer, E.B., Acuña-Castillo, C., and **Kovacs**, E.J. Serum from aged mice augments the production of TNF- by macrophages from young mice. Experimental Biology, San Diego, CA, April 2005.
196. **Kovacs** E.J., Plackett, T.P., Gamelli, R.L., and Witte, P.L. Aging and cell-mediated immunity after injury: beneficial effects of estrogen. Annual Meeting of the American Burn Association, Chicago, IL, May 2005.
197. **Kovacs**, E.J., Garretto, R., Cutro, B.T., Ramirez, L., and Gamelli, R.L. Ethanol prior to burn injury increases susceptibility to pseudomonas infection and upregulates pulmonary chemokine production. Annual Meeting of the American Burn Association, Chicago, IL, May 2005.
198. Emanuele, M.A., LaPaglia, N., Emanuele, N.V., Painter, S., and **Kovacs,** E.J. Effect of insulin gargline on hepatic inflammation in a murine model of chronic illness. Annual Meeting of the American Diabetes Association, 2005.
199. Murdoch, E., Fazal, N., Ripsch, M., Cutro, B.T., Ramirez, L., Faunce, D.E., **Kovacs**, E.J. and, White, F.A. Combined alcohol and burn injury differentially regulates bacterial translocation and inflammatory responses in the mouse small intestines. Annual Meeting of the Research Society on Alcoholism, Santa Barbara, CA, June 2005.
200. **Kovacs**, E.J., B.T. Cutro, and L. Ramirez. Pulmonary consequences of combined insult of acute ethanol exposure and burn injury. Annual Meeting of the Research Society on Alcoholism, Santa Barbara, CA, June 2005.
201. Emanuele, M.A., LaPaglia, N., Emanuele, N.V., and **Kovacs,** E.J. Effect of ethanol and thermal injury on hepatic inflammation in a murine model of critical illness: Potential benefit of insulin. Annual Meeting of the Research Society on Alcoholism, Santa Barbara, CA, June 2005.
202. Fitzgerald, D.J., Radek, K.A., DiPietro, L.A., and **Kovacs** E.J. Effects of acute ethanol exposure on the inflammatory response during wound healing. Annual Meeting of the Research Society on Alcoholism, Santa Barbara, CA, June 2005.
203. Gomez, C.R., Cutro, B.T., Fitzgerald, D.J., Goral, J., Ramirez, L., and **Kovacs**, E.J. Testing the acute phase response in aged IL-6 KO mice. 38th Annual Meeting of the Society for Leukocyte Biology, Oxford, England, September 2005.
204. **Kovacs**, E.J., Cutro, B.T., Ramirez, L., Goral, J., and Gomez, C.R. Reduced pulmonary inflammation after injury in aged IL-6 deficient mice. 38th Annual Meeting of the Society for Leukocyte Biology, Oxford, England, September 2005.
205. Murdoch, E.L., Ripsch, M., Chan, D., Cutro, B., Ramirez, L., Kovacs, E.J., and White, F.A. Effect of ethanol administration prior to burn injury on intestinal neurogenic inflammation. Annual Meeting of the Society for Neuroscience, November 2005.
206. Goral, J., and **Kovacs**, E.J. Effects of ethanol on toll-like receptor signaling in macrophages. Alcohol and Immunology Research Interest Group Meeting, Maywood, IL, November 2005.
207. Karavitis, J., Gomez, C.R., Ramirez, L., Cutro, B.T., Faunce, D.E., and, **Kovacs**, E.J. Ovariectomy ablates the gender differences seen after ethanol plus burn injury in mice. Alcohol and Immunology Research Interest Group Meeting, Maywood, IL, November 2005.
208. **Kovacs**, E.J., Cutro, B.T., and Ramirez, L. Ethanol exposure exacerbates the pulmonary inflammatory after burn injury. Alcohol and Immunology Research Interest Group Meeting, Maywood, IL, November 2005.
209. Murdoch, E., Chan, D., Cutro, B.T., Ramirez, R., **Kovacs**, E.J., and White, F.A. Combined ethanol and burn injury differentially regulates inflammatory responses in the mouse ileum. Alcohol and Immunology Research Interest Group Meeting, Maywood, IL, November 2005.
210. DiPietro, L.A., Burns, A.L., Fitzgerald, D., **Kovacs**, E.J., and Radek, K.A. Burn and Shock Trauma Research Institute, Ethanol, inflammation, and injury: Brewing trouble at the wound site. Alcohol and Immunology Research Interest Group Meeting, Maywood, IL, November 2005.
211. Murdoch, E., **Kovacs**, E.J., and White, F.A. Influence of ethanol ingestion before burn injury on cytokine levels in mouse ileum. Autumn Immunology Conference, Chicago, IL, November 2005.
212. Nomellini, V. Ramirez, L., Cutro, B.T., Gomez, C.R., **Kovacs**, E.J**.**Aberrant pulmonary pathology in aged mice may explain age-dependent differences in mortality after injury. Autumn Immunology Conference, Chicago, IL, November 2005.
213. Gomez, C.R., Goral, J., Ramirez, L., and **Kovacs**, E.J. Acute Phase Response in Aged IL-6 knock out mice. Autumn Immunology Conference, Chicago, IL, November 2005.
214. Karavitis, J., Gomez, C.R., Ramirez, L., Cutro, B.T., Faunce, D.E., and, **Kovacs**, E.J. Does estrogen mediate the gender differences in immunity after ethanol exposure and burn injury? Autumn Immunology Conference, Chicago, IL, November 2005.
215. **Kovacs**, E.J., Plackett, T.P., Ramirez, L., and Gomez, C.R. Aging, traumatic injury, and immunity: improvement following estrogen treatment. Austrian Society of Allergology and Immunology Graz, Austria, December, 2005.
216. Plackett, T.P., Gamelli, R.L. and **Kovacs**, E.J. Low levels of ethanol improve aberrant cytokine production in aged, but not young, mice after traumatic injury. Annual Meeting of the Research Society on Alcoholism, Baltimore, MD, June 2006.
217. Gomez, C.R., Birjandi, S., Hirano, S., Cutro, B.T., Baila, H., Nomellini, V., and **Kovacs**, E.J. Advanced age exacerbates the pulmonary inflammatory response after lipopolysaccharide exposure. 29th Annual Conference on Shock, Broomfield, CO, June 2006.
218. Nomellini, V., Ramirez, L., Cutro, B.T., Faunce, D.E., Gomez, C.R., and **Kovacs**, E.J. Aging affects acute lung injury after burn. 29th Annual Conference on Shock, Broomfield, CO, June 2006.
219. Karavitis, J., Gomez, C.R., Faunce, D.E., and **Kovacs**, E.J. Gonadal hormones mediate gender differences in immune function after ethanol plus burn injury. 29th Annual Conference on Shock, Broomfield, CO, June 2006.
220. Emanuele, M.A., **Kovacs**, E.J., Silver, G., Emanuele, N.V., and Gamelli, R.L. Mechanisms behind the beneficial effect of insulin in critical illness using thermal injury with ethanol as a model. 29th Annual Conference on Shock, Broomfield, CO, June 2006.
221. Murdoch, E.L., Greiffenstein, P., Gomez, C.R., Nomellini, V., Ramirez, L., Morgan, M.O., and **Kovacs**, E.J. Pulmonary inflammatory responses after ethanol exposure and burn injury. 29th Annual Conference on Shock, Broomfield, CO, June 2006.
222. **Kovacs,** E.J., Plackett, T.P., Ramirez, L., and Gomez, C.R. Aging and the inflammatory response after traumatic injury. 29th Annual Conference on Shock, Denver, CO, June 2006.
223. Nomellini, V., Ramirez, L., Cutro, B.T., Faunce, D.E., Gomez, C.R., and **Kovacs**, E.J. Aging and pulmonary consequences after burn. 21st Annual MD/PhD Student Conference, Aspen, CO, July 2006.
224. **Kovacs**, E.J., Meehan, M.J., and Boehmer, E.D. Aging causes defects in macrophage signaling that are limited to TLR-mediated pathways. Joint Meeting of the International Cytokine Society and the International Society for Interferon and Cytokine Research, Vienna, Austria August, 2006.
225. **Kovacs,** E.J. Aging, estrogen, and macrophages mediators after injury. Symposium on Ageing Research in Immunology: the Impact of Genomics. Paris, France, September 2006.
226. **Kovacs,** E.J. Gender differences in response to burn injury: mechanisms and treatment. Symposium on Regulation of Inflammatory Responses: Influence of Gender/Sex, Bethesda, MD, September 2006.
227. Gomez, C.R., Baila, H., Morgan, M.O., Oshima, K., Nomellini, V.,and **Kovacs**, E.J. Elevated hepatic inflammatory response in aged mice given LPS. Joint Meeting of the Society for Leukocyte Biology and the International Endotoxin and Innate Immunity Society, San Antonio, TX. November 2006.
228. Nomellini, V., Faunce, D.E., and **Kovacs**, E.J. Increased pulmonary inflammation in aged mice subjected to burn injury. Joint Meeting of the Society for Leukocyte Biology and the International Endotoxin and Innate Immunity Society, San Antonio, TX. November 2006.
229. **Kovacs**, E.J., Plackett, T.P., Nomellini, V., Boehmer, E.D., and Gomez, C.R. Advanced age alters innate immune response after injury. Joint Meeting of the Society for Leukocyte Biology and the International Endotoxin and Innate Immunity Society, San Antonio, TX. November 2006.
230. Karavitis, J., Ramirez, L., Messingham, K.A.N., Faunce, D.E., and **Kovacs**, E.J. Role of gonadal hormones after alcohol and burn injury. Alcohol and Immunology Research Interest Group Meeting, Maywood, IL, November 2006.
231. Sun, W., Burns, A.L., **Kovacs**, E.J. and DiPietro, L.A. Effect of ethanol exposure on endothelial responsiveness to VEGF. Alcohol and Immunology Research Interest Group Meeting, Maywood, IL, November 2006.
232. Murdoch, E.L., Karavitis, J., Morgan, M.I., Ramirez, L., Shankar, R., Gamelli, R.L., Faunce, D.E., and **Kovacs**, E.J. Alcohol Acute ethanol exposure and burn injury: Clinically relevant models of *Pseudomonas aeruginosa* infections. Alcohol and Immunology Research Interest Group Meeting, Maywood, IL, November 2006.
233. Nomellini, V., Faunce, D.E., Gomez, C.R., and **Kovacs**, E.J. Chemokine levels after burn injury in aged mice. Autumn Immunology Conference, Chicago, IL, November 2006.
234. Murdoch, E.L., Karavitis, J., Morgan, M.I., Shankar, R., Gamelli, R.L., Faunce, D.E., and **Kovacs**, E.J. Ethanol exposure prior to burn injury increases susceptibility to *Pseudomonas aeruginosa* (PA) infection. Autumn Immunology Conference, Chicago, IL, November 2006.
235. Emanuele, N.V., **Kovacs**, E.J., Gamelli, R.L., Yong, S., and Emanuele, M.A. Beneficial effects of insulin on hepatic inflammation and microsteatosis induced by ethanol and burn injury in a murine model of critical illness, American Diabetes Association 67th Meeting, Chicago, IL, June, 2007
236. **Kovacs**, E.J., Murdoch, E.L., Karavitis, J., Morgan, M.O., Ramirez, L., and Bird, MD. Combined insult of ethanol and burn injury trigger local and systemic inflammatory responses. 30th Annual Conference of the Shock Society, Baltimore, MD, June 2007.
237. Nomellini, V., Gomez, C.R., Faunce, D.E., and **Kovacs**, E.J. Pulmonary neutrophil accumulation after burn injury is exacerbated with age. 30th Annual Conference of the Shock Society, Baltimore, MD, June 2007.
238. Murdoch, E.L., Faunce, D.E., Brown, H.G., and **Kovacs** E.J. Intratracheal infection after ethanol exposure and burn results in excessive pulmonary neutrophil accumulation. 30th Annual Conference of the Shock Society, Baltimore, MD, June 2007.
239. Gomez, C.R., Nomellini, V., Baila, H, Oshima, K., Karavitis, J., Ramirez, L., Morgan, M.O., and **Kovacs**, E.J. Reduced hepatic inflammatory responses in aged IL-6 knockout mice given lipopolysaccharide. 30th Annual Conference of the Shock Society, Baltimore, MD, June 2007.
240. **Kovacs,** E.J., Murdoch, E.L., Ramirez, L., Morgan, M.O., Goral, J. and Karavitis, J. Ethanol exposure impairs multiple macrophage functions. Annual Meeting of the Research Society on Alcoholism, Chicago, IL, July 2007. (Symposium Presentation)
241. Karavitis, J., Murdoch, E.L., and **Kovacs**, E.J. Impaired alveolar macrophage function after acute *in vivo* ethanol exposure. Annual Meeting of the Research Society on Alcoholism, Chicago, IL, MD, July 2007.
242. Murdoch, E.L., Faunce, D.E., Brown, H.G., and **Kovacs** E.J. Acute ethanol exposure and burn injury: pulmonary infection with *Pseudomonas aeruginosa.* Annual Meeting of the Research Society on Alcoholism, Chicago, IL, July 2007.
243. Bird, MD, Morgan, M.I. Ramirez, L., and **Kovacs**, E.J. Decreased lung inflammation following ethanol and burn injury in TICAM-1/TRIF knockout mice. Annual Meeting of the Research Society on Alcoholism, Chicago, IL, July 2007.
244. Scalfani, M., Chan, D.M., Murdoch, E.L., **Kovacs**, E.J., and White, F.A. Acute ethanol exposure combined with burn injury enhances IL-6 levels in the murine ileum. Annual Meeting of the Research Society on Alcoholism, Chicago, IL, July 2007.
245. **Kovacs**, E.J., Karavitis, J., Morgan, M.O., Ramirez, L., and Bird, MD. Influence of alcohol on sex and immune response after injury. 11th Congress of the European Society for Biomedical Research on Alcoholism, Berlin, Germany, September 2007.
246. Nomellini, V., Gomez, C.R., and **Kovacs**, E.J. Decreased tight junction formation in lungs of aged mice following injury. Annual Meeting of the Society for Leukocyte Biology, Cambridge, MA, October 2007.
247. Gomez, C.R., Karavitis, J., Ramirez, L., Nomellini, V., and **Kovacs**, E.J. Interleukin-6 contributes to age-related alteration of cytokine production in macrophages. Annual Meeting of the Society for Leukocyte Biology, Cambridge, MA, October 2007.
248. Karavitis, J., Gomez, C.B., and **Kovacs**, E.J. Interleukin-6 contributes to age-related alteration of cytokine production in macrophages Fc-receptor mediated phagocytosis is attenuated after acute *in vivo* or *in vitro* ethanol exposure. Annual Meeting of the Society for Leukocyte Biology, Cambridge, MA, October 2007.
249. Bird, MD, Morgan, M.O., Ramirez, L., and **Kovacs,** E.J. Decreased lung inflammation following ethanol and burn injury in ICAM-1 knockout mice. Alcohol and Immunology Research Interest Group Meeting, Maywood, IL, November 2007.
250. Karavitis, J., Murdoch, E.L., Ramirez, L., Gomez, C.R., and **Kovacs**, E.J. Acute ethanol exposure attenuated macrophage cytokine production and phagocytosis. Alcohol and Immunology Research Interest Group Meeting, Maywood, IL, November 2007.
251. Murdoch, E.L. and **Kovacs,** E.J. Effects of ethanol on neutrophil infiltration in mice given burn injury and pulmonary infection. Alcohol and Immunology Research Interest Group Meeting, Maywood, IL, November 2007.
252. **Kovacs**, E.J., Morgan, M.I., Ramirez, L. and Bird, MD. Pulmonary inflammation after ethanol and burn injury is attenuated in TRIF knockout mice. Keystone Symposium on Innate Immunity, Keystone, CO, February 2008.
253. Bird, MD, Milligan, G.N., Albright, J.M., and **Kovacs**, E.J. Differences in clearance of HSV-1 after acute ethanol exposure. Annual meeting of the American Association of Immunologists, San Diego, CA April 2008.
254. Nomellini, V., Gomez, C.R., and **Kovacs**, E.J. Increased pulmonary inflammation in aged mice after burn correlates with increased neutrophil chemokines. Annual meeting of the American Burn Association, Chicago, IL, May 2008.
255. Albright, J.A., **Kovacs**, E.J. and Schermer, C.R. Implications of formal alcohol screening in burn patients. Annual meeting of the American Burn Association, Chicago, IL, May 2008.
256. Murdoch, E.L., Gamelli, R.L. and **Kovacs**, E.J. Burn injury increases the susceptibility to pulmonary infection with *Pseudomonas aeruginosa.* Annual meeting of the American Burn Association, Chicago, IL, May 2008.
257. **Kovacs**, E.J., Gomez, C.R., and Nomellini, V. “Aging and injury: Aberrant inflammatory responses and therapeutic interventions.” US-Japan Cooperative Medical Science Program Immunosenescence Workshop, Sponsored by NIAID, San Francisco, CA, June 2008.
258. **Kovacs**, E.J., Faunce, D.E., Gomez, C.R., and Nomellini, V. Advanced age is associated with increased pulmonary inflammation after burn injury and can be abrogated by treatment with anti-CXCR2 inhibition. Fifth International Conference on Innate Immunity, Aegean Conferences, Chania, Crete, Greece, June 2008.
259. Albright, J.A., Schermer, C.R., Halerz, M., Conrad, P., Ackerman, P., Yee, L., Emanuele, M.A., **Kovacs,** E.J., and Gamelli, R.L. Differences in clinical outcomes after alcohol intoxication at the time of burn injury. Joint Meeting of the Research Society on Alcoholism and the International Society for Biomedical Research on Alcoholism, Washington, D.C., June 2008.
260. **Kovacs,** E.J., Ramirez, L., Morgan, M.O., Murdoch, E.L., and Bird, MD Organ-specific inflammatory responses following binge ethanol exposure and burn injury. Joint Meeting of the Research Society on Alcoholism and the International Society for Biomedical Research on Alcoholism, Washington, D.C., June 2008.
261. Albright, J.A., Esposito, T., **Kovacs**, E.J., Gamelli, R.L., and Schermer, C.R. Vehicular injury risk among burn patients. Meeting of the International Society for Burn Injuries, Montreal, Quebec, Canada. June 2008.
262. Nomellini, V., Gomez, C.R., and **Kovacs**, E.J. Increased neutrophil sequestration in the lungs of aged mice after burn injury is paralleled by decreases in the neutrophil chemokine receptor, CXCR2. Annual Meeting of the Society for Leukocyte Biology, Denver, CO, November 2008.
263. Albright, J.M., Schermer, C.R., Bird, MD, Gamelli, R.L., and **Kovacs**, E.J. Degree of inhalation injury affects pulmonary leukocyte response after burn. Annual Meeting of the Society for Leukocyte Biology, Denver, CO, November 2008.
264. Karavitis, J., Murdoch, E.L., and **Kovacs**, E.J. FC-receptor mediated phagocytosis is altered after acute in vivo or in vitro ethanol exposure due to attenuated Rho activation. Annual Meeting of the Society for Leukocyte Biology, Denver, CO, November 2008.
265. Murdoch, E.L., Karavitis, J., Morgan, M.O., Ramirez, L., and **Kovacs**, E.J. Ethanol elevates pulmonary chemokines and neutrophil infiltration in response to bacterial infection after burn injury. Annual Meeting of the Society for Leukocyte Biology, Denver, CO, November 2008.
266. Albright, J.M., Schermer, C.R., Bird, MD, Gamelli, R.L., and **Kovacs**, E.J. In burn patients, pulmonary leukocyte inflammatory response is related to inhalation injury grade. Autumn Immunology Conference, Chicago, IL, November, 2008.
267. Karavitis, J., Murdoch, E.L., and **Kovacs**, E.J. The role of the small GTPase Rho in macrophage phagocytosis after acute ethanol exposure. Autumn Immunology Conference, Chicago, IL, November, 2008.
268. **Kovacs**, E.J., Gomez, and Nomellini, V. Aging and neutrophil sequestration in the pulmonary vasculature after burn injury. Gordon Research Conference on the Biology of Aging, Ventura, CA, February 2009.
269. Sakai, L.M., Ton-That, H.H., Omi, E.C., **Kovacs**, E.J., and Schermer, C.R. Comparison of objective screening and self-reporting for alcohol and drug use in traumatically injured patients. NIAAA Trainee Workshop, New Orleans, LA, March 2009.
270. Albright, J.M., Majetschak, M., Ramirez, L., Bird, MD, Sixt, S.U., Peters, J., Schermer, C.R., Gamelli, R.L., and **Kovacs,** E.J. Increased degree of inhalation injury parallels elevations in pulmonary pro-inflammatory and fibrogenic mediators. American Burn Association, San Antonio, TX April 2009.
271. Sakai, L.M., Ton-That, H.H., Ramirez, A., Omi, E.C., Zarzaur, B.L., **Kovacs**, E.J., and Schermer, C.R. Use disorder screening in emergency general surgery patients: A comparison of two sites. 2009 National Student Research Forum. Galveston, TX, April 2009.
272. Akhtar, S., Li, X., **Kovacs**, E.J., Gamelli R.L., and Choudhry, M.A. Alcohol intoxication combined with burn injury induces apoptosis and decreases proliferation in the intestine. Shock Society Meeting, San Antonio, TX, June 2009.
273. Deburghgraeve, C.R., Palmer, J.L., Bird, MD, and **Kovacs**, E.J. Effect of combined insult of radiation exposure and burn injury in a mouse model. Gordon Conference on “Tissue Repair and Regeneration,” New London, NH, June 2009.
274. Sakai, L.M., Ton-That, H.H., Omi, E.C., **Kovacs**, E.J., and Schermer, C.R. Comparison of objective screening and self-reporting for alcohol and drug use in traumatically injured patients. Annual Meeting of the Research Society on Alcoholism, San Diego, CA, June 2009.
275. Bird, M.D., Deburghgraeve, C., Morgan, M.O., Ramirez, L., and **Kovacs**, E.J. Decreased lung inflammation following ethanol and burn injury in TRIF-deficient mice but not in TLR2- or TLR4-deficient mice. Annual Meeting of the Research Society on Alcoholism, San Diego, CA, June 2009.
276. Zahs, A., Murdoch, E.L., Karavitis, J., Ramirez, L., Bird, MD, Choudhry, M.A., Turner, J.R., **Kovacs**, E.J. Myosin light chain kinase plays a role in intestinal responses after acute ethanol exposure and burn injury. Annual Meeting of the Research Society on Alcoholism, San Diego, CA, June 2009.
277. **Kovacs**, E.J. and E.L. Murdoch Alcohol exposure and pulmonary consequences of post burn infection. 11th Capital City Conference of the German Society of Anesthesiology and Intensive Care Medicine. Berlin, Germany, September 2009.
278. Plackett, T.P., Gamelli, R.L., and **Kovacs**, E.J. Sex based differences in cytokine production after burn injury are mediated by IL-6. Surgical Forum, Chicago, IL, October 2009.
279. **Kovacs**, E.J., Deburghgraeve, C., Murdoch, E.L., Nomellini, V., and Palmer, J. Aging exacerbates cytokine response after pulmonary infection. Tri-Society meeting: Joint meeting of the Society for Leukocyte Biology, International Cytokine Society, and the International Society for Interferon and Cytokine Research, Lisbon, Portugal, October, 2009.
280. Davis, C.S., Ramirez, L., Zahs, A., Murdoch, E.L., and **Kovacs**, E.J. Does acute ethanol exposure impact C5a levels early after burn injury? Annual Meeting of the Alcohol and Immunity Research Group Meeting, Maywood, IL, November 2009.
281. Bird, M.D., Deburghgraeve, C., Morgan, M.O., Ramirez, L., and **Kovacs**, E.J. Decreased pulmonary inflammation following ethanol and burn injury in mice deficient in TLR4 but not TLR2 signaling. Annual Meeting of the Alcohol and Immunity Research Group Meeting, Maywood, IL, November 2009.
282. Karavitis, J. Murdoch, E.L., Ramirez, L., and **Kovacs**, E.J. The role of the small GTPase Rac in macrophage phagocytosis after acute ethanol exposure. Annual Meeting of the Alcohol and Immunity Research Group Meeting, Maywood, IL, November 2009.
283. Rendon, J., Li, X., Mahbub, S., Brubaker, A., **Kovacs**, E.J., and Choudhry, M.A. Effects of acute alcohol exposure combined with burn injury on immune cell population in various lymphoid organs. Alcohol Research Annual Meeting of the Alcohol and Immunity Research Group Meeting, Maywood, IL, November 2009.
284. Zahs, A., Ramirez, L., Bird, M.D., Turner, J.R., and **Kovacs**, E.J. Myosin Light Chain Kinase and Pulmonary Responses after Acute Ethanol Exposure and Burn Injury. Annual Meeting of the Alcohol and Immunity Research Group Meeting, Maywood, IL, November 2009.
285. Fisichella P.M., Shankaran, V., Gagermeier, J., Dilling, D., Alex, C., **Kovacs**, E.J., and Love, R. Gastroesophageal reflux disease after lung transplantation: Pathophysiology and implications for treatment. Central Surgical Society, Chicago, IL March 2010.
286. **Kovacs**, E.J. Aging and innate immunity: Does inflamm-aging = macroph-aging? Inflammation Res., 8th World Congress on Trauma, Shock, Inflammation and Sepsis (TSIS), Munich, Germany, March 2010.
287. Brubaker, A.L., Mahbub, S., Deburghgraeve, C., and **Kovacs**, E.J. Impact of aging on dermal wound healing. Experimental Biology 2010, Anaheim, CA, April 2010.
288. Deburghgraeve, C., Palmer, J., and Kovacs, E.J. Sex differences in recovery from burn injury and infection. Thirty-Third Annual Conference on Shock, Portland, OR, June 2010.
289. Palmer, J., Deburghgraeve, C., Bird, M.D. Hauer-Jensen, M., and **Kovacs**, E.J. The effects of radiation and burn injury in a murine model. Thirty-Third Annual Conference on Shock, Portland, OR, June 2010.
290. Bird, M.D, Deburghgraeve, C., Zahs, A., Ramirez, L., and **Kovacs**, E.J. Suppressed Cellular Immunity After Ethanol and Burn Injury Related to Pertubations of IL-6 Signaling. Annual Meeting of the Research Society on Alcoholism, San Antonio, TX, June 2010.
291. Grimley, K., Ton-That, H.H., **Kovacs**, E.J., and Esposito, T.J. Factors Influencing Participation in AUP Research Studies. Annual Meeting of the Research Society on Alcoholism, San Antonio, TX, June 2010.
292. Rendon, J.L. Li, X., Brubaker, A., **Kovacs**, E.J., and Choudhry, M.A. Effects of acute ethanol exposure combined with burn injury on Peyer’s patch immune cell response. Annual Meeting of the Research Society on Alcoholism, San Antonio, TX, June 2010.
293. Zahs, A., Ramirez, L., Bird, M.D., Choudhry, M.A., and **Kovacs**, E.J. Effect of IL-6 knockout on intestinal barrier function and integrity after acute ethanol exposure and burn injury. Annual Meeting of the Research Society on Alcoholism, San Antonio, TX, June 2010.
294. **Kovacs**, E.J., Ramirez, L., Bird, M.D., and Murdoch, E.L. Acute ethanol exposure alters pulmonary chemokine profile and neutrophil activation after burn injury and infection. Annual Meeting of the Research Society on Alcoholism, San Antonio, TX, June 2010.
295. Fisichella, P.M., Davis, C.S., Shankaran, V., Gagermeier, G., Dilling, S., Alex, C.G., Kovacs, E.J., Joehl, R.J., and Love, R.B. The prevalence and extent of gastroesophageal reflux disease (GERD) correlates to the type of lung transplantation. 11th World Congress of the International Society for the Diseases of the Esophagus. Kagoshima, Japan, September 2010
296. Shankaran, V., Davis, C.S., Kovacs, E.J., Gagermeier, J., Dilling, D., Alex, C.G., Love, R.B., Sinacore, J., and Fisichella, P.M. A detailed analysis of perioperative outcomes of lung transplant patients undergoing laparoscopic antireflux surgery (LARS) for GERD: How safe is it? 11th World Congress of the International Society for the Diseases of the Esophagus. Kagoshima, Japan, September 2010.
297. Bird, M.D., Deburghgraeve, C., Zahs, A., Ramirez, L., and **Kovacs**, E.J. Absence of interleukin-6 does not attenuate pulmonary inflammation after ethanol and burn injury. International Cytokine Society Meeting, Chicago, IL, October 2010.
298. Zahs, A., Ramirez, L.,Bird, M.D., Choudhry, M.A., Turner, J.R., and **Kovacs**, E.J. Knockout of MLCK promotes decreased intestinal inflammation after ethanol exposure and burn injury. International Cytokine Society Meeting, Chicago, IL, October 2010.
299. Albright, J.M., Davis, C.S., Bird, M.D., Ramirez, L., Kim, H., Gamelli, R.L., and **Kovacs**, E.J. Elevated pulmonary inflammatory response in patients sustaining greater severity of smoke inhalation injury. International Cytokine Society Meeting, Chicago, IL, October 2010.
300. Karavitis, J., Murdoch, E.L., Ramirez, L., Deburghgraeve, C., and **Kovacs,** E.J. The effects of ethanol on macrophage Fc-receptor mediated phagocytosis. Joint Meeting of the Society for Leukocyte Biology and the International Endotoxin and Innate Immunity Society, Vancouver, BC, Canada, October 2010.
301. Zahs, A., Ramirez, L., Bird, M.D., Choudhry, M.A., Turner, J.R. and **Kovacs,** E.J. MLCK deficiency protects from ethanol and burn injury induced intestinal damage and barrier dysfunction. Joint Meeting of the Society for Leukocyte Biology and the International Endotoxin and Innate Immunity Society, Vancouver, BC, Canada, October 2010.
302. Mahbub, S., Palmer, J.L., Deburghgraeve, C.R. and **Kovacs**, E.J. Advanced age alters macrophage polarization after pulmonary infection. Joint Meeting of the Society for Leukocyte Biology and the International Endotoxin and Innate Immunity Society, Vancouver, BC, Canada, October 2010.
303. Brubaker, A., Rendon, J.L., Karavitis, J., Choudhry, M.A. and **Kovacs**, E.J. Impaired bacterial clearance in skin wounds from age mice is associated with decreased neutrophil accumulation. Joint Meeting of the Society for Leukocyte Biology and the International Endotoxin and Innate Immunity Society, Vancouver, BC, Canada, October 2010.
304. Vaagenes, I.C., Tsai, S.-Y., Husak, V.A., Papadoupoulos, C.M., **Kovacs**, E.J, and Kartje, G.L. The effects of prior acute ethanol administration on functional sensorimotor recovery after traumatic brain injury. Society for Neuroscience, November 2010.
305. Davis, C.S., Ramirez, L., Burnham, E.L., and **Kovacs,** E.J. Alcohol modifies the baseline pulmonary immune profile in humans. Poster presentation at the Alcohol and Immunology Research Interest Group Meeting, November 2010.
306. Davis, C.S., Albright, J.M., Carter, S.R., Ramirez, L., Gamelli, R.L., and **Kovacs**, E.J. Enhanced human pulmonary leukocyte responsiveness with alcohol exposure prior to burn and smoke inhalation injury. Poster presentation at the Alcohol and Immunology Research Interest Group Meeting, November 2010.
307. Husain, H., Bird, M.D., Zahs, A., Palmer, J.L., Ramirez, L., Bollnow, M., Kartje, G., and **Kovacs**, E.J. The excessive peripheral inflammatory response following acute ethanol and burn injury of mice is not paralleled in the brain. Poster presentation at the Alcohol and Immunology Research Interest Group Meeting, November 2010.
308. Zahs, A., Ramirez, L., Bird, M.D., Choudhry, M.A., Turner, J.R., and Kovacs, E.J. Knockout of MLCK promotes decreased intestinal inflammation after acute ethanol exposure and burn injury. Poster presentation at the Alcohol and Immunology Research Interest Group Meeting, November 2010.
309. Davis, C.S., Lundberg, P.W., Ramirez, L., Gagermeier, J., **Kovacs,** E.J., and Fisichella, P.M. Laparoscopic antireflux surgery prevents aspiration of pepsin after lung transplantation. Accepted for oral presentation by the Central Surgical Association, March 2011.
310. Akhtar, S., X. Li, E.J. **Kovacs**, R.L. Gamelli and M.A. Choudhry, Induction of intestinal matrix metalloproteinase-9 following alcohol intoxication and burn injury is NF-κB independent. American Burn Association, Chicago, IL March 2011.
311. Baker, T.A., Davis, C.S., Bach, H.H., IV, Romero, J., Burnham, E. L., **Kovacs,** E.J., Gamelli, R.L., and Majetschak, M. Ubiquitin in bronchoalveolar lavage fluid after burn and inhalation injury. American Burn Association, Chicago, IL March 2011.
312. Bird, M.D., Zahs, A., Davis, C.S. Ramirez, L., and **Kovacs,** E.J. Early distal organ inflammation following ethanol and burn injury. Accepted for poster presentation at the American Burn Association, Chicago, IL March 2011.
313. Davis, C.S. Albright, J.M., Carter, S.R., Garcia, D., Ramirez, L., Kim, H., Gamelli, R.L., and **Kovacs**, E.J. Early pulmonary inflammatory hyporesponsiveness predicts mortality after burn and smoke inhalation injury. Accepted for oral presentation at the American Burn Association, Chicago, IL March 2011.
314. Bird, M.D., Zahs, A., Ramirez, L., and **Kovacs**, E.J. T Cell Suppression after Ethanol and Burn Injury: Role of IL-6 Signaling. Symposium entitled “Alcohol exposure and T cell effector functions.” Annual Meeting of the Research Society on Alcoholism, Atlanta, GA, June 2011.
315. Davis, C.S., Albright, J.M., Carter, S.R., Ramirez, L., Gamelli, RL, and **Kovacs**, E.J. Enhanced human pulmonary leukocyte responsiveness with alcohol exposure prior to burn and smoke inhalation injury. Symposium entitled “A Multi-center Clinical Resource for Lung and Alcohol Investigations.” Annual Meeting of the Research Society on Alcoholism, Atlanta, GA, June 2011.
316. Zahs, A., Bird, M.D., Ramirez, L., Turner, J.R., Choudhry, M.A., and **Kovacs,** E.J. Loss of inhibition of long MLCK improves intestinal morphology and tight junction integrity after acute ethanol exposure and burn injury. Annual Meeting of the Research Society on Alcoholism, Atlanta, GA, June 2011.
317. Rendon, J.L., Li, X., Brubaker, A., **Kovacs**, E.J., and Choudhry, M.A. IL-23 differentially drives TH17 cytokine responses following ethanol intoxication and burn injury. Annual Meeting of the Research Society on Alcoholism, Atlanta, GA, June 2011.
318. Grimley, K.M., Van Auken, P.J, Esposito, T.J., Ton-That, H.H., **Kovacs**, E.J., Harders, R.B. Durazo, R.A., and Schermer, C.R.. Is One Alcohol Assessment Enough? A Comparison of the AUDIT and Clinical Methods. Annual Meeting of the Research Society on Alcoholism, Atlanta, GA, June 2011.
319. Van Auken, P.J., Grimley, K.M., Esposito, T.J., Ton-That, H.H., **Kovacs**, E.J., Harders, R.B., Durazo, R.A., and C.R. Schermer. Descriptive analysis of an urban alcohol intervention study. Annual Meeting of the Research Society on Alcoholism, Atlanta, GA, June 2011.
320. Davis, C.S., Janus, S.E., Mosier, M.J., Carter, S.R., Gibbs, J., Ramirez, L., Gamelli, R.L., and **Kovacs**, E.J. Inhalation injury severity, systemic immune perturbations, and the ratio of IL-1β to IL-1 RA in burn patients. Chicago Committee on Trauma, Chicago, IL, September 2011.
321. Brubaker, A.L., and **Kovacs**, E.J. Increased bacterial colonization in aged mice is associated with delayed beta-defensin induction. 2011 Nathan Shock Center Conference on Aging, San Antonio, TX, October 2011.
322. Qin, Y., Bird, M.D., **Kovacs**, E.J., and Makowski, L. Alcohol Exposure and Burn Injury Drives Acute Adipose Inflammation and Alterations in Glucose Transporter GLUT1. Alcohol and Immunology Research Interest Group Meeting, Maywood, IL, November, 2011.
323. Qin, Y., Bird, M.D., **Kovacs**, E.J., and Makowski L. Adipose Inflammation Induced by Acute Alcohol Exposure and Burn Trauma. Alcohol and Immunology Research Interest Group Meeting, Maywood, IL, November, 2011.
324. Davis, C.S., Esposito, T.J., Palladino-Davis, A.G., Rychlik, K., and **Kovacs**, E.K. Alcohol Implications of alcohol intoxication at the time of burn and smoke inhalation injury: An epidemiologic and clinical analysis. Alcohol and Immunology Research Interest Group Meeting, Maywood, IL, November, 2011.
325. Zahs, A., Bird, M.D., Choudhry, M.A., and **Kovacs**, E.J. MLCK activation is elevated in intestinal epithelial cells after acute ethanol exposure and burn injury. Alcohol and Immunology Research Interest Group Meeting, Maywood, IL, November, 2011.
326. Fisichella, P.M., Davis, C.S., Pittman, M., Ramirez, L., Lowery, E., Gagermeier, J., Love, R.B., and **Kovacs**, E.J. Pulmonary immune changes early after laparoscopic antireflux surgery in lung transplant patients with gastroesophageal reflux disease. American College of Surgeons, Las Vegas, NV, February 2012.
327. Davis, C.S., Esposito, T.J., Palladino-Davis, A., Rychlik, K., Gamelli, R.L., and **Kovacs,** E.J. Implications of Alcohol Intoxication at the Time of Burn and Smoke Inhalation Injury: An Epidemiologic and Clinical Analysis. American Burn Association, Seattle, WA March 2012.
328. Davis, C.S., Flint, D., Pelletiere, K., Lowery, E., Ramirez, L., Love, R.B., Kovacs, E.J., and Fisichella, P.M. Pepsin concentrations are elevated in the bronchoalveolar lavage fluid of patients with idiopathic pulmonary fibrosis after lung transplantation. 32nd Annual Meeting of the International Society of Heart and Lung Transplantation. Prague, Czech Republic, April 2012.
329. Qin, Y., Bird, M.D., Chen, M., **Kovacs**, E.J., and Makowski, L. Alcohol exposure and burn injury drive acute adipose inflammation and alterations in glucose transporter GLUT1. EB 2012, San Diego, CA, April 2012.
330. Lowery, E., Davis, C.S. Bemiss, B., Fisichella, P.M., Iwashima, M., Love, R.B., **Kovacs,** E.J. 25(OH)D Deficient Patients Have Increased Inflammatory Mediators In Bronchoalveolar Lavage Fluid Following Lung Transplantation. American Thoracic Society, San Francisco, CA, May 2012.
331. Brubaker, A.L., Rendon, J.L., Choudhry, M.A.,and **Kovacs**, E.J. Increased bacterial colonization and delayed wound closure in aged mice is associated with altered leukocyte recruitment. American Association of Immunologists, Boston, MA, May 2012.
332. Carter, S.R., Davis, C.S., Janus, S.E., Mosier, M.J., Gibbs, J., Ramirez, L., Gamelli, R.L., and **Kovacs**, E.J. Inhalation injury severity and systemic immune perturbations in burned adults. Shock Society meeting, Miami Beach, FL, June 2012.
333. Zahs, A., Ramirez, L., Turner, J.R., Choudhry, M.A., and **Kovacs,** E.J. MLCK activation is elevated in intestinal epithelial cells following acute ethanol exposure and burn injury. Annual Meeting of the Research Society on Alcoholism, San Francisco, CA, June 2012. Poster presentation.
334. Davis, C.S., Carter, S.R., Ramirez, L., Gamelli, R.L. and **Kovacs,** E.J. Alcohol alters inflammatory and immune responses after injury. Annual Meeting of the Research Society on Alcoholism, San Francisco, CA, June 2012. Poster presentation.
335. Curtis, B.J., Hlavin, S.K., Griffin, T.M., **Kovacs,** E.J., and Radek, K.A. Moderate ethanol exposure reactive oxygen species exposure impairs epidermal antimicrobial responses. Annual Meeting of the Research Society on Alcoholism, San Francisco, CA, June 2012. Poster presentation.
336. Esposito, T.J., Grimley, K., Durazo, R., Harders, R., Ton-That, H., **Kovacs,** E.J. and Schermer, C.R. Brief surgical advice is comparable to brief intervention and superior to standard of care in reducing concerning alcohol use. Annual Meeting of the Research Society on Alcoholism, San Francisco, CA, June 2012. Poster presentation.
337. **Kovacs**, E.J. Animal models of combined radiation injury. Annual Meeting of the Radiation Research Society, Puerto Rico, September 2012. Invited speaker, oral presentation.
338. Carter, S.R., Brubaker, A.L., Palmer, J.L., Gamelli, R.L., and **Kovacs**, E.J. Acute Changes in T Lymphocyte Subsets in Peyer’s Patches Following Combined Radiation Injury in a Murine Model. Annual Meeting of the Society of Leukocyte Biology, Maui, HI, October 2012. Poster presentation and given SLB Trainee Travel Award.
339. Brubaker, A.L. and **Kovacs**, E.J. Acute G-CSF promotes resolution of *Staphylococcus aureus* wound infection in an age-dependent manner. Annual Meeting of the Society of Leukocyte Biology, Maui, HI, October 2012. Selected for SLB Presidential Student Award Competition and given SLB Trainee Travel Award.
340. Zahs, A., Ramirez, L, Turner, J.R., Choudhry, M.A., and **Kovacs**, E.J. Myosin light chain kinase activity causes intestinal tissue damage following binge ethanol exposure and burn injury. Alcohol and Immunity Research Interest Group (AIRIG) Satellite Meeting at the Annual Meeting of the Society of Leukocyte Biology, Maui, HI, October 2012. Selected for oral presentation and given AIRIG student travel award.
341. Rendon, J.L., Li, X., Brubaker, A.L., **Kovacs**, E.J., Gamelli, R.L., and Choudhry, M.A. Acute Ethanol Intoxication and Burn Injury Differentially Affects Th17 Effector Cytokines IL-17 and IL-22. Alcohol and Immunity Research Interest Group (AIRIG) Satellite Meeting at the Annual Meeting of the Society of Leukocyte Biology, Maui, HI, October 2012. Selected for oral presentation and given SLB student travel award.
342. Lowery, E., and **Kovacs**, E.J. Donor chronic alcohol abuse increases the risk for primary graft dysfunction in lung transplant recipients. Alcohol and Immunity Research Interest Group (AIRIG) Satellite Meeting at the Annual Meeting of the Society of Leukocyte Biology, Maui, HI, October 2012. Selected for oral presentation, given AIRIG junior faculty travel award.
343. Palmer, J.L., Deburghgraeve, C.R., Bird, M.D., Hauer-Jensen, M., and **Kovacs**, E.J. Combined radiation and burn injury results in exaggerated early pulmonary inflammation. Annual Meeting of the Society of Leukocyte Biology, Maui, HI, October 2012. Poster presentation.
344. Ippolito, J.A., Ramirez, L., Palmer, J.L., Zahs, A., and **Kovacs**, E.J. Mesenchymal stem cell treatment diminishes pulmonary inflammation in mice exposed to binge alcohol and burn injury. Alcohol and Immunity Research Interest Group (AIRIG) Satellite Meeting at the Annual Meeting of the Society of Leukocyte Biology, Maui, HI, October 2012. Poster presentation, selected for AIRIG travel award.
345. Carter, S.R., Zahs, A.,Palmer, J.L., Ippolito, J., Ramirez, L. Gamelli, R.L., and **Kovacs**, E.J.Intestinal Barrier Breakdown and Bacterial Translocation Following Combined Radiation and Burn Injury. Annual Meeting of the American Burn Association. Palm Springs, CA. April, 2013. Selected for oral presentation.
346. Lowery, E., Kuhlman, E., Mahoney, E., Wigfield, C., and **Kovacs**, E.J. Donor chronic alcohol abuse increases the risk for graft dysfunction in lung transplant recipients. Annual Meeting of the International Society for Heart and Lung Transplant. Montreal, Quebec, CA, May 2012. Poster presentation.
347. Curtis, B.J. and **Kovacs**, E.J. Burn injury alters pulmonary histone deacetylaces. Keystone meeting on myeloid cells. Keystone, CO, February 2013. Poster presentation.
348. Davis, C.S., Reder, N.P., **Kovacs,** E.J., and Fisichella, P.M. Symptoms questionnaire, bronchoalveolar lavage fluid, and exhaled breath condensate for the identification of lung transplant patients with gastroesophageal reflux disease. SAGES Annual Meeting, Baltimore, MD, April 2013. Selected for oral presentation.
349. Chen, M.M., Bird, M.D., Zahs, A., and **Kovacs**, E.J. Pulmonary inflammation after ethanol exposure and burn injury is attenuated in the absence of IL-6. Meeting of the American Physician Scientist Association, Chicago, IL, April 2013. Poster presentation, won first place in poster competition.
350. Curtis, B.J., Ippolito, J.A., Ramirez, L., and **Kovacs**, E.J. Pulmonary histone deacetylases are altered by ethanol exposure and burn injury. 36th Annual Meeting of the Research Society on Alcoholism, Orlando, FL, June 2013. Poster presentation.
351. Chen, M.M., Ippolito, J. A., Brown, M., and **Kovacs**, E.J. The role of the liver in the aberrant inflammation seen one alcohol exposure proceeds burn injury. 36th Annual Meeting of the Research Society on Alcoholism, Orlando, FL, June 2013. Selected for oral presentation and given RSA student travel award.
352. Li, X., Akhtar, S., **Kovacs**, E.J. and Choudhry, M.A. MyD88 pathway plays a role in the intestine inflammation following alcohol and burn injury. 36th Annual Meeting of the Research Society on Alcoholism, Orlando, FL, June 2013. Poster presentation.
353. Ippolito, J. A., Ramirez, L., Curtis, B. J., and **Kovacs**, E.J. Ethanol exposure alters inflammatory responses and the ratio of mesenchymal stem cells and M2 macrophage in the lungs of burn injured mice. 36th Annual Meeting of the Research Society on Alcoholism, Orlando, FL, June 2013. Poster presentation.
354. Carter, S.R., Chen, M.M., Palmer, J.L., Ramirez, L., and **Kovacs**, E.J. Enhanced Neutrophil Recruitment to the Ileum in the Acute Inflammatory Phase Following Combined Radiation Injury. Annual Meeting of the Radiation Research Society, New Orleans, LA, September 2013. Poster presentation.
355. Chen, M.M., Zahs, A., and **Kovacs**, E.J. Restoration of the Gut-Liver Axis After Burn Injury in Intoxicated Mice Attenuates Pulmonary Inflammation. 46th Annual Meeting of the Society for Leukocyte Biology, Newport, RI, October 2013. Selected for oral presentation in Student Presidential Award Competition and given SLB Trainee Travel Award.
356. Chen, M.M., Zahs, A., Brown, M., Ramirez, L., and **Kovacs**, E.J. Dampening the gut-liver axis after burn injury in intoxicated mice attenuates pulmonary inflammation. American Medical Association Research Symposium, National Harbor, MD, November 2013. Selected for oral presentation.
357. Chen, M.M., Zahs, A., Brown, M., Ramirez, L., and **Kovacs,** E.J. Alterations in the gut-liver axis mediate pulmonary inflammation after burn injury and are exacerbated by prior intoxication. American College of Physicians Northern Illinois Chapter Scientific Meeting, Rosemont, IL, November 2013. Selected for oral presentation, won first place in poster competition.
358. Curtis, B.J., Ippolito, J.A., and **Kovacs**, E.J. Burn injury and ethanol exposure alters histone lysine acetylation in the lung. Alcohol and Immunity Research Interest Group (AIRIG) Meeting, Maywood, IL, November 2013. Poster presentation.
359. Chen, M.M., Palmer, J.L., Ippolito, J.A., Curtis, B.J., Choudhry, M.A., and **Kovacs**, E.J. Intoxication by intraperitoneal injection or oral gavage equally potentiate post burn organ damage and inflammation. Alcohol and Immunity Research Interest Group (AIRIG) Meeting, Maywood, IL, November 2013. Poster presentation.
360. Ippolito, J.A., Curtis, B.J., and **Kovacs**, E.J. Binge ethanol exposure alters CD206 expression on alveolar macrophages from burn injured mice. Alcohol and Immunity Research Interest Group (AIRIG) Meeting, Maywood, IL, November 2013. Selected for oral presentation.
361. Curtis, B.J., Palmer, J.L., Ramirez, L., Carter, S., and **Kovacs**, E.J. Combined Radiation and Burn Injury Causes Pulmonary Fibrosis. Keystone meeting on Fibrosis: From Bench to Bedside. Keystone, CO, March 2014. Poster presentation.
362. Chen, M.M., Zahs, A., Brown, M.M., Ramirez, L., and **Kovacs**, E.J. The gut-liver axis plays a reversible role in pulmonary inflammation after intoxication and burn injury. Annual American Physician Scientist Association Joint Meeting, Chicago, IL, April 2014. Poster presentation, won first place in medical student poster competition.
363. Ippolito, J.A., Curtis, B.J., and **Kovacs**, E.J. Binge Ethanol Exposure Alters Alveolar Macrophage Activation in Burn-Injured Mice. Annual Meeting of the American Association of Immunologists, Pittsburgh, PA, May 2014. (Selected for oral presentation and received travel award.)
364. Chen, M.M., Ippolito, J.A., Choudhry, M.A., and **Kovacs**, E.J. Alcohol potentiates post burn intestinal ischemia through shifts in fluid compartments. Shock Society, Charlotte, NC, June 2014. Selected for oral presentation and received Mohammed Sayeed trainee travel award from the Shock Society.
365. O’Halloran, E.B., Carter, S.R., Davis, C.S., Ramirez, L., Albright, J.M., Gamelli, R.L., and **Kovacs**, E.J. Alcohol intoxication alters systemic immune responses in adult burn injury victims. Shock Society, Charlotte, NC, June 2014. Poster presentation.
366. Chen, M.M., Zahs, A., Bird, M.D. and **Kovacs**, E.J. Intoxication potentiates post burn pulmonary inflammation through TLR4 signaling in the gut-liver axis. Research Society on Alcoholism, Belleview, WA, June 2014. Poster presentation, received RSA student travel award.
367. Fisichella, P.M., Reder, N., Gagermeier, J., and E.J. **Kovacs**. Usefulness of pH-monitoring in predicting survival of patients with scleroderma awaiting lung transplantation. Int. Soc. Disease Esophagus Vancouver, BC, Canada, September 2014. Selected for oral presentation.
368. Fisichella, P.M., Reder, N., Davis, C., and E.J. **Kovacs**. The diagnostic value of symptoms of GERD and detection of pepsin and bile acids in the bronchoalveolar lavage fluid and exhaled breath condensate in the identification of lung transplant patients with GERD-induced aspiration. Int. Soc. Disease Esophagus Vancouver, BC, Canada, September 2014. Selected for oral presentation.
369. Curtis, B.J., Palmer, J., Ramirez, L., Carter, S.R., and **Kovacs,** E.J. Combined radiation injury causes long-lasting alterations in HDAC1, Radiation Research Society, Las Vegas, NV September 2014. Poster presentation and selected for Scholar in Training travel award
370. O’Halloran, E.B., Carter, S.R., Davis, C.S., Ramirez, L., Albright, J.M., Gamelli, R.L., and **Kovacs**, E.J. Hepatic histone deacetylase 1 expression and activity following ethanol exposure and burn injury. International Society for Burn Injuries annual meeting, Sidney, Australia, October 2014. Selected for oral presentation and received travel award.
371. Chen, M.M., O’Halloran, E.B., Palmer, J.L., Ippolito, J.A., and **Kovacs**, E.J. The role of Kupffer cells in the response to intoxication and burn injury. Joint Meeting of the Society for Leukocyte Biology and the International Endotoxin and Innate Immunity Society, Salt Lake City, UT, October 2014. Selected for oral presentation and received IEIIS travel award.
372. Ippolito, J.A., Brown, M.M., Ramirez, L. and **Kovacs,** E.J. Ethanol intoxication amplifies pro-inflammatory phenotype on pre-alveolar macrophages after post-burn pulmonary infection. Joint Meeting of the Society for Leukocyte Biology and the International Endotoxin and Innate Immunity Society, Salt Lake City, UT, October 2014. Selected for oral presentation and received SLB travel award.
373. Chen, M.M., O’Halloran, E.B., and **Kovacs**, E.J. Alcohol intoxication potentiates post burn remote organ damage through shifts in fluid compartments mediated by bradykinin. Meeting of the American Physician Scientist Association, Northern Illinois, Chicago, IL, October 2014. Poster presentation.
374. O’Brien, J., **Kovacs**, E.J. and Lowery, E. Assessment of alcohol use in a cohort of patients with advanced lung disease. Alcohol and Immunology Research Interest Group meeting, Maywood, IL, November 2014. Selected for oral presentation.
375. Hammer, A.M., Rendon, J.L., Li, X., Morris, N.L., Earley, Z.M., Cannon, A.R. **Kovacs**, E.J., and Choudhry, M.A. Effect of intoxication and burn on claudin and occludin expression in epithelial cells from the small and large intestinal. Alcohol and Immunology Research Interest Group meeting, Maywood, IL, November 2014. Poster presentation.
376. O’Halloran, E.B., Chen, M.M., **Kovacs**, E.J., and Burnham, E.L. Alveolar macrophage production of inflammatory mediators in subjects with alcohol use disorders. Alcohol and Immunology Research Interest Group meeting, Maywood, IL, November 2014. Selected for oral presentation.
377. Chen, M.M., Ramirez, E., O’Halloran, E.B., and **Kovacs**, E.J. Alcohol intoxication alters post burn Kupffer Cell p38 MAPK signaling. Alcohol and Immunology Research Interest Group meeting, Maywood, IL, November 2014. Poster presentation.
378. Chen, M.M., O’Halloran, E.B., and **Kovacs**, EJ. Kupffer cell p38 drives hepatic damage and pulmonary inflammation after intoxication and burn injury. Experimental Biology (2015), Boston, MA, March 2015. Poster presentation. Selected as poster of distinction, Gastroenterology & Liver Section of the American Physiological Society.
379. Hammer, A.M. Li, X., Morris, N.L., Cannon, A.R., Earley, Z.M., **Kovacs**, E.J. and Choudhry, M.A. Alcohol and Burn Injury Decreases STAT3 Expression in Intestinal Epithelial Cells. Experimental Biology (2015), Boston, MA, March 2015. Poster presentation.
380. Chen, M.M., O’Halloran, E.B., Ramirez, L. and **Kovacs,** E.J. Kupffer cell p38 MAPK signaling drives post burn hepatic damage and pulmonary inflammation when alcohol intoxication precedes injury. American Burn Association 47th Annual Meeting, Chicago, IL, April 2015. Poster presentation, won best original research in category prize.
381. O’Halloran, E.B., Chen, M.M., Ramirez, L. and **Kovacs**, E.J. Elevation of serum leptin following burn injury is diminished in the presence of ethanol intoxication American Burn Association 47th Annual Meeting, Chicago, IL, April 2015. Selected for oral presentation.
382. Curtis, B.J., Ippolito, J.A., Ramirez, L., and **Kovacs**, E.J. Dermal burn injury alters the lung epigenetic landscape through activation of histone deacetylase 1 (HDAC1). American Burn Association 47th Annual Meeting, Chicago, IL, April 2015. Selected for oral presentation.
383. Plackett, T.P., Carter, S.R., Deburghgraeve, C.R., Palmer, J.L. Gamelli, R.L., and **Kovacs**, E.J. Pulmonary chemokine and cytokine response to combined burn and radiation injury. American Burn Association 47th Annual Meeting, Chicago, IL, April 2015. Poster presentation.
384. Curtis, B.J., Palmer, J.L. Hoo, M.R., Boe, D.M., and **Kovacs**, E.J. Macrophage-specific deletion of Peroxisome Proliferator-Activated Receptor-gamma (PPARγ) impairs lung function and immune responses in a mouse model of *Pseudomonas aeruginosa* infection. Annual Meeting of the American Association of Immunologists, New Orleans, LA, May 2015. Poster presentation.
385. Ippolito, J.A., Ramirez, L. and **Kovacs,** E.J. Intoxication exacerbates the loss of alveolar macrophages and the increase in apoptosis seen after burn and pulmonary infection. Annual Meeting of the American Association of Immunologists, New Orleans, LA, May 2015. Selected for oral presentation, received AAI student travel award.
386. Lowery, E.M. and **Kovacs**, E.J. Donors of lung allografts with heavy alcohol use have elevated levels of IL-1β and G-CSF in bronchial washings at the time of explantation. American Thoracic Soc. Annual Meeting, Denver, CO, May 2015. Poster presentation.
387. Chen, M.M., O’Halloran, E.B., and **Kovacs,** E.J. p38-dependent interleukin-6 production by Kupffer cells drives hepatic damage after intoxication and burn injury. 38th Annual Conference of the Shock Society, Denver, CO, June 2015. Poster presentation, received Shock travel award.
388. Ippolito, J.A., Palmer, J.L., Ramirez, L., and **Kovacs**, E.J. Loss of alveolar macrophages results in decreased clearance of apoptotic cells when intoxication precedes burn injury and infection. Annual Meeting of Research Society on Alcoholism, San Antonio, TX, June 2015. Poster presentation.
389. Hammer, A.M, Sigman, M.M., Li, X., Morris, N.L., Cannon, A.R., E.J. **Kovacs**, and Choudhry, M.A. LC3-mediated autophagy activation alters small intestine cytokine and chemokine expression following intoxication and thermal injury. Annual Meeting of Research Society on Alcoholism, San Antonio, TX, June 2015. Poster presentation.
390. **Kovacs**, E.J. Aging and innate immune responses in the lung. Immunosenescence: Hot topics and interventions. A Satellite Symposium of the 4th European Congress of Immunology. Vienna, Austria, September 2015. Invited speaker, oral presentation.
391. **Kovacs**, E.J., Palmer, J.L., Ramirez, L., Carter, S.R. and Curtis, B.J. Development of Pulmonary Fibrosis after Combined Radiation and Burn Injury. Radiation Research Society, Westin, FL, September 2015. Invited speaker, oral presentation.
392. Curtis, B.J., Palmer, J.L., Ramirez, L., Carter, S.R. and **Kovacs**, EJ. TLR4 and the development of pulmonary fibrosis after combined radiation and burn injury. Radiation Research Society, Westin, FL, September 2015. Poster presentation.
393. Shults, J.A., Curtis, B.J., Ramirez, L., and **Kovacs**, E.J. Alveolar Macrophage Phagocytic Activity and Apoptosis after Intoxication and Injury. Society for Leukocyte Biology annual meeting, Raleigh NC, September 2015. Selected for SLB Presidential Student Award competition, won first place, received SLB travel award.
394. Boe, D.M., Palmer, J.L., Thomassen, M.J., **Kovacs**, E.J., and Curtis, B.J. Macrophage-specific deletion of Peroxisome Proliferator-Activated Receptor-Gamma exacerbates inflammatory immune responses and impairs respiratory function in a mouse model of pulmonary *Pseudomonas aeruginosa* infection. Society for Leukocyte Biology annual meeting, Raleigh NC, September 2015. Poster presentation.
395. Chen, M.M., O’Halloran, E.B., **Kovacs**, E.J. Kupffer cell IL-6 production drives hepatic damage and pulmonary inflammation through p38 MAPK after intoxication and burn injury. American College of Physicians Illinois Northern Chapter conference, Chicago, IL, October, 2015. Poster presentation.
396. Curtis, B.J., Palmer, J.L., Plackett, T.P., Ramirez, L., Carter, S.R., and **Kovacs**, E.J. Pulmonary fibrosis development following combined radiation injury is reduced in Toll-like receptor 4 (TLR4) knockout mice. Keystone Symposium on Fibrosis: Basic mechanisms to targeted therapies. Keystone, CO, February 2016. Poster presentation.
397. Lowery, E., Yong, M., Ramirez, L., Kliethermes, S., Schwartz, J., Burnham, E.L., and **Kovacs**, E.J. Systemic inflammatory state of the organ donor and risk for primary graft dysfunction following lung transplantation. Annual Meeting of the International Society for Heart and Lung Transplant. Washington, DC 2016. Poster presentation.
398. Afshar, M., Albright, J.M., Dunn, R., Ramirez, L., Conrad, P., Mosier, M., Burnham, E.L., and **Kovacs**, E.J. Acute Respiratory Distress Syndrome in Burn-Injured Adults: Clinical risk factors and Biomarkers. American Thoracic Society Annual Meeting, San Francisco, CA, May 2015. Poster presentation.
399. Rech, M.A., Mosier, M.J., Zelisko, S., Cooper, R.S., Netzer, G., **Kovacs**, E.J., and Afshar, M. Comparison of a novel coding algorithm versus the American Burn Association sepsis definition to examine the epidemiology of sepsis in burn-injured adults. American Thoracic Society Annual Meeting, San Francisco, CA, May 2015. Poster presentation.
400. Afshar, M., Adams, W., Netzer, G., Mosier, M.J., Zelisko, S., **Kovacs**, E.J., Cooper, R.S., Durazo-Avizu, R., and Kliethermes, S. Association of Tobacco Exposure with Development of Acute Respiratory Distress Syndrome in Burn-Injured Adults. American Thoracic Society Annual Meeting, San Francisco, CA, May 2015. Poster presentation.
401. Lowery, E.M., Yong, M., Kliethermes, S, and **Kovacs**, E.J. Mechanism of death and relationship to systemic and airway inflammation in brain dead organ donors. American Thoracic Society Annual Meeting, San Francisco, CA, May 2015. Poster presentation.
402. Lowery, E.M., Yong, M., Cohen, A., Ramirez, L., Kliethermes, S., Schwartz, J., Burnham, E.L., and **Kovacs**, E.J. Lung donors with heavy alcohol use have altered systemic and airway inflammation. Aspen Lung Conference, Aspen, CO June 2016. Invited speaker, oral presentation.
403. **Kovacs**, E.J., Shults, J.A., Boe, D., Chen, M.M., Albright, J.M., Choudhry, M.A., and Curtis, B.J. Aging, inflamm-aging and the pulmonary response to burn injury. Shock Society, Austin, TX, June 2016. Invited speaker, oral presentation.
404. Boe, D.M. and **Kovacs**, E.J. Aged mice exhibit differences in extracellular trap formation and clearance in response to gram-negative pulmonary infection. Shock Society, Austin, TX, June 2016. Poster presentation.
405. Curtis, B.J., Shults, J.A., Boe, D.M., and **Kovacs,** E.J. Peroxisome Proliferator-Activated Receptor gamma (PPARγ) plays a critical role in pulmonary immunity by altering macrophage cell surface receptor expression in a mouse model of *Pseudomonas aeruginosa* infection. Society for Leukocyte Biology, Verona, Italy, September 2016. Poster presentation, selected for SLB travel award.
406. Chen, M.M., O’Halloran, E., and **Kovacs**, E.J. Alcohol potentiates post burn intestinal ischemia through shifts in fluid compartments. American Medical Association Research Symposium, Orlando, FL, November 2016. Poster presentation.
407. Boule, L.A., Gaydos, J., Burnham, E.L. and **Kovacs**, E.J. Alcohol intoxication accelerates aging: Assessment of biomarkers of healthy aging in alcohol consumers. Alcohol and Immunity Research Interest Group (AIRIG) Meeting, Maywood, IL, November 2016.
408. Curtis, B.J., Albright, J.M, Boe, D.M. and **Kovacs** E.J. Alcohol intoxication and advanced age impair the pulmonary inflammatory response to infection. Alcohol and Immunity Research Interest Group (AIRIG) Meeting, Maywood, IL, November 2016.
409. Lowery, E.M., Yong, M., Cohen, A., Ramirez, L. Burnham, E.L., and **Kovacs**, E.J. Lung donors with heavy alcohol use have altered systemic and airway inflammation. Alcohol and Immunity Research Interest Group (AIRIG) Meeting, Maywood, IL, November 2016.
410. Lowery, E.M., Walsh, M., Young, M., Afshar, M., and **Kovacs**, E.J. The Association between Excessive Alcohol Use and Organ Allocation of Deceased Organ Donors. Alcohol and Immunity Research Interest Group (AIRIG) Meeting, Maywood, IL, November 2016.
411. Afshar, M., Burnham, E.L., Davis, C., Clark, B.J., Cooper, R.S., Yong, M., Gaydos, J., **Kovacs** E.J., and Lowery, E.M. Phosphatidylethanol as a biomarker to identify patients with alcohol misuse. Alcohol and Immunity Research Interest Group (AIRIG) Meeting, Maywood, IL, November 2016.
412. Hua, J., Afshar, M., **Kovacs**, E.J., and Burnham, E.L. Impact of Cannabis Use on Concurrent Alcohol Dependence and Phosphatidylethanol Levels. American College of Physicans, Colorado Chapter Meeting. Colorado Springs, CO, February 2017.
413. **Kovacs**, E.J., Ramirez, L., Albright, J.M., Boe, D. M., Boule, L.A., Curtis, B.J., and Afshar, M. Age and outcomes after injury: Pulmonary and systemic inflammatory responses. Satellite symposium entitled “Aging of the immune system.” Rockville, MD, May 2017. Oral presentation.
414. Rech, M.A., Mosier, M.J., Zelisko, S. Cooper, R.S., Netzer, G., **Kovacs**, E.J., and Afshar, M. Outcomes in Burn-Injured Patients Who Develop Sepsis. American Thoracic Society, Washington DC, May 2017. Poster presentation.
415. Hua, J., Afshar, M., **Kovacs**, E.J., and Burnham, E.L. Cannabis use among adults with alcohol use disorders in Colorado. American Thoracic Society, Washington DC, May 2017.
416. Curtis, B.J., Hulsebus, H.J., Boe, D.M., Frank, D.N. and **Kovacs**, E.J. Cutaneous burn injury alters gut microbiome more dramatically in aged mice than in young mice. Colorado Clinical and Translational Sciences Institute (CCTSI) Summit: Microbiome research from Methodology to Collaboration, Thorton, CO, August 2017. Poster presentation.
417. Curtis, B.J., Hulsebus, H.J., Boe, D.M., Frank, D.N. and **Kovacs**, E.J. Curtis, B.J., Burn injury in aged mice leads to defective intestinal antimicrobial peptide production and gut microbiome dysbiosis. 2017 National Institute on Aging (NIA) Directors Regional Meeting, Aurora CO, November, 2017. Poster presentation.
418. Camargo-Moreno, M., Yong, M., **Kovacs**, E.J., and Lowery, E.M. Antimicrobial peptides, cytokines, and alcohol exposure in lung donors. Alcohol and Immunity Research Interest Group (AIRIG) Meeting, Aurora, CO, January, 2018. Selected for oral presentation. Travel award.
419. Hua, J.T, Afshar, M., Clark, B.J., **Kovacs**, E.J., and Burnham, E.L. Cannabis use in individuals with severe alcohol use disorders in Colorado after cannabis decriminalization. Alcohol and Immunity Research Interest Group (AIRIG) Meeting, Aurora, CO, January, 2018. Poster presentation.
420. Curtis, B.J., Shults, J.A., Boe, D.M., Ramirez, L., and **Kovacs**, E.J. Multiple-day binge ethanol intoxication is associated with an anti-inflammatory alveolar macrophage phenotype. Alcohol and Immunity Research Interest Group (AIRIG) Meeting, Aurora, CO, January, 2018. Poster presentation.
421. Hulsebus, H.J., Najarro, K.M., Boe, D.M., Curtis, B.J. and **Kovacs**, E.J. Alcohol, aging, and the pulmonary immune response to *Streptococcus pneumoniae* infection. Alcohol and Immunity Research Interest Group (AIRIG) Meeting, Aurora, CO, January, 2018. Selected for oral presentation.
422. Boe, D.M., Frankel, J.H., Curtis, B.J, and **Kovacs**, E.J. Specific inhibition of IL-6 *trans*-signaling reduces expansion of peripheral blood granulocytic Gr-1+CD11b+ cells after burn injury. Annual meeting of the American Burn Association, Chicago, IL, April 2018. Poster presentation. Selected for best poster among 460 posters.
423. Curtis, B.J., Hulsebus, H.J., Boe, D.M., Frank, D.N., and **Kovacs**, E.J. Burn injury in aged mice skews the gut microbiome and correlates with a change in intestinal antimicrobial peptide production. Annual meeting of the American Burn Association, Chicago, IL, April 2018. Poster presentation.
424. Lowery, E.M., Yong, M., Cohen, A., Joyce, C., and **Kovacs**, E.J. Recent alcohol use prolongs hospital length of stay following lung transplant. Annual meeting of the American Thoracic Society, San Francisco, CA, May 2018.
425. Boe, D.M., Frankel, J.H., Najarro, K.M., Curtis, B.J., Feola, D.J. and **Kovacs**, E.J. Myeloid-specific deletion of arginase-1 enhances post-burn pulmonary immune responses against Pseudomonas aeruginosa pneumonia. Shock Society, Scottsdale, AZ, June 2018. Selected for short oral presentation, selected for a student travel award.
426. Frankel, J.H., Boe, D.M., Hulsebus, H.J., Curtis, B.J. and **Kovacs**, E.J. Advanced age differentially alters post burn inflammatory response in the ileum and colon. Shock Society, Scottsdale, AZ, June 2018. Selected for poster presentation.
427. Idrovo, J.-P., Curtis, B.J., Shults, J.A., Chen, M.M., Ramirez, L., and **Kovacs**, E.J. Altered behavior of acute phase response in the liver when ethanol intoxication precedes burn injury. Shock Society, Scottsdale, AZ, June 2018. Selected for poster presentation.
428. Camargo-Moreno, M., Yong, M., **Kovacs**, E.J., and Lowery, E.M.Antimicrobial peptides and alcohol exposure in lung donors. Research Society on Alcoholism, San Diego, CA, June 2018. Selected for poster presentation.
429. Idrovo, J.-P., Curtis, B.J., Chen, M.M., and **Kovacs**, E.J. Alterations in the post-burn hypermetabolic response after ethanol intoxication. American College of Surgeons Clinical Congress, Boston MA, October 2018. Selected for oral presentation.
430. Lowery, E.M., Afshar, M., West, N., Kovacs, E.J., Smith, B., and Joyce, C. Self-reported alcohol use in the cystic fibrosis community. North American Cystic Fibrosis Conference, Denver, CO, October, 2018. Selected for poster presentation.
431. Hulsebus, H.J., Najarro, K.M., Boe, D.M., Curtis, B.J., and **Kovacs**, E.J. The effect of advanced age and alcohol consumption on alveolar macrophage response to Streptococcus pneumoniae. Joint Meeting of the Society for Leukocyte Biology & the International Endotoxin and Innate Immunity Society, October 2018, Chandler AZ. Selected for oral presentation in Flash Talk session and a student travel award.
432. Boe, D.M., Najarro, K.M., Hulsebus, H.J., Curtis, B.J. and **Kovacs**, E.J.Burn injury induces the expansion of granulocytes with a suppressor phenotype via IL-6 *trans*-signaling. Joint Meeting of the Society for Leukocyte Biology & the International Endotoxin and Innate Immunity Society, October 2018, Chandler AZ. Selected for a student travel award.
433. Bruns**,** D.R., **Kovacs**, E.J., Jeong, M., Buttrick, P.M., and Walker, L.A. A novel and direct myofilament-mediated action of metformin in the aging right heart. Gerontology Society of America, Boston, MA, November 2018. Selected for poster presentation.
434. Idrovo, J.P., Boe, D.M., Najarro, K., Kim, H., Curtis, B.J., Tan, A.C, and **Kovacs**, E.J. Liver damage in aged mice after burn injury. 14th Annual Academic Surgical Congress Abstract Submission, Houston, TX, February 2019. Selected for Quick Shot oral presentation.
435. Lowery, E.M., Baker, K., Camargo, M., Joyce, C., and **Kovacs**, E.J. Alcohol consumption in lung transplant recipients. Research Society on Alcoholism, Minneapolis, MN, June 2019
436. Hulsebus, H.J., Najarro, K.M., Mullen, J., Boe, D.M and **Kovacs**, E.J. Multi-day moderate alcohol consumption alters the alveolar macrophage response to *Streptococcus pneumoniae* in young and aged mice. Gordon Research Conference on Alcohol and End-Organ Disease. Ventura, CA, March 2019. Oral presentation, received travel award.
437. McMahan, R.H., Hulsebus, H.J., Najarro, K.M., Mullen, J., Boe, D.M, Curtis, B.J., Frank, D.N.and **Kovacs**, E.J. Alcohol exposure in aged mice alters the gut microbiome and correlates with changes in intestinal antimicrobial peptide production and liver inflammation. Gordon Research Conference on Alcohol and End-Organ Disease. Ventura, CA, March 2019
438. **Kovacs**, E.J. Inflamm-aging and dysbiosis of the fecal microbiome: Multi-organ system responses after burn trauma. Plenary session. Shock Society, Coronado, CA, June 2019. Plenary session.
439. Idrovo, J.-P., McMahan, R.H., Boe, D.M., Tan, A.-C., and **Kovacs**, E.J. Burn injury induces hepatic downregulation of lipid metabolism in aged mice. Shock Society, Coronado, CA, June 2019
440. Boe, D.M., Najarro, K.M., Hulsebus, H.J., and **Kovacs**, E.J. Systemic IL-6 Trans-signaling contributes to innate immune suppression after burn injury. Shock Society, Coronado, CA, June 2019. Selected for oral presentation, received travel award.
441. Dyamenahalli, K.U., Frankel, J.H. Najarro, K.M., Mullen, J., Boe, D.M., and **Kovacs**, E.J. Altered levels of danger associated molecular patterns in skin following burn injury. Shock Society, Coronado, CA, June 2019.
442. Afshar, M., Joyce, C., Baker, K., Corral, J., Burnham, E.L., DeFrancesco, J., Lowery, E.M., and **Kovacs**, EJ. Phosphatidylethanol to screen for alcohol misuse in the trauma setting. Research Society on Alcoholism, Minneapolis, MN, June 2019.
443. Lowery, E.M. Baker, K., Camargo, M., Joyce, C., and **Kovacs**, EJ. Alcohol consumption in lung transplant recipients. Research Society on Alcoholism, Minneapolis, MN, June 2019. Selected for oral presentation.
444. Idrovo, J.P., Boe, D.M., Mcmahan, R., Tan, A.-C., and **Kovacs**, E.J.Hepatic Alterations in Lipid Metabolism after Burn Injury in Aged Mice. ACS Clinical Congress, San Francisco, CA, October 2019.
445. Hulsebus, H.J., Najarro, K.M., Mullen, J., Boe, D.M., and **Kovacs** E.J. Advanced age and moderate alcohol exposure alters alveolar macrophage gene expression and the pulmonary innate immune response to *Streptococcus pneumoniae*. Annual Meeting of the Society for Leukocyte Biology, Boston, MA, November 2019.
446. Boe, D.M., Hulsebus, H.J., and **Kovacs**, E.J. Tissue-resident alveolar macrophages from young and aged mice respond differently to distal injury Annual Meeting of the Society for Leukocyte Biology, Boston, MA, November 2019. Selected for flash talk presentation, received travel award.
447. Dyamenahalli, K., Najarro, K.M., Mullen, J., Boe, D.M., Hulsebus, M.J., Frankel, J.H., and **Kovacs** E.J. Elevated levels of specific danger associated molecular patterns in serum after burn injury correspond with altered levels in the skin. Annual Meeting of the Society for Leukocyte Biology, Boston, MA, November 2019. Received Travel Award.
448. McMahan, R.H., Hulsebus, H.J., Najarro, K.M., Mullen, J., Boe, D.M., Curtis, B.J., Frank, D.N. and **Kovacs**, E.J. Alcohol exposure differentially alters intestinal barrier integrity, liver inflammation and fecal microbiome composition in young and aged mice. Annual Meeting of the Society for Leukocyte Biology, Boston, MA, November 2019. Selected for oral presentation at Alcohol and Immunology Research Interest Group Satellite Meeting.
449. Dyamenahalli, K.U., Wengryn, D.M., Wiktor, A.J., **Kovacs**, E.J. Duffy, P.S., Lambert Wagner, A.L. E-cigarette and vaporizer-related burn injury: Demographics and injury patterns. American Burn Association. Orlando FL, March 2020. Selected for oral presentation. (Canceled due to COVID19)
450. Lambert Wagner, A.L., Dyamenahalli, K.U., Smith, T.M., Duffy, P.S., **Kovacs**, E.J., and Wiktor, A.J. Frostbite and drug abuse. American Burn Association. Orlando FL, March 2020. Selected for poster presentation. (Canceled due to COVID19)
451. Lambert Wagner, A.L., Smith, T.M., Dyamenahalli, K.U., Duffy, P.S., **Kovacs**, E.J., and Wiktor, A.J. Marijuana and drugs of abuse: Impact on clinical outcomes and burn injury. American Burn Association. Orlando FL, March 2020. Selected for poster presentation. (Canceled due to COVID19)
452. Idrovo, J.-P., Boe, D.M., Kaahui, S., Yang, W.-L., and **Kovacs**, E.J. Hepatic inflammation induced by burn injury is associated with necroptotic pathway. Shock Society, Toronto, ONT, Canada, June 2020. (Canceled due to COVID19).
453. Dyamenahalli, K.U., Najarro, KM, Mullen, J., Boe, D.M., Hulsebus, H.J., **Kovacs**, E.J. Patterns of oxidative stress in skin after burn injury. Shock Society, Toronto, ONT, Canada, June 2020. Received travel award. (Canceled due to COVID19)
454. Yamauchi, T., Zhai, Z., Matsumoto, A., Gao, B., Song, B.-J., **Kovacs**, E.J., Fujita, M. The role of acetaldehyde and mitochondrial enzyme ALDH2 in melanoma. Symposium on Metabolism and Cancer, University of Colorado Cancer Center, Aurora CO, June 2020. Selected for oral presentation.
455. Navarro-Alvarez, N., Huang, C.A., **Kovacs**, E.J., and Yang, Y.-G. Innate immune profiling discriminates between liver regeneration and liver failure following partial hepatectomy. American Association of Immunologists, May 2021 (Virtual due to COVID19). Selected for poster presentation.
456. Hulsebus, H.J., Najarro, K.M., McMahan, R.H., and **Kovacs**, E.J. Ethanol suppresses the pulmonary response to *Streptococcus pneumoniae*: Role of NOD2 and NF-kB signaling in alveolar macrophages exposed to muramyl dipeptide. American Association of Immunologists, May 2021 (Virtual due to COVID19). Selected for oral and poster presentation. Received Trainee Abstract
457. McMahan, R.H., Najarro, K., Mullen, J., Walrath, T.M., Orlicky, D.J., Hulsebus, H.J., and **Kovacs**, E.J. A Novel Murine Model of Multi-day Ethanol Exposure Reveals Age-Specific Intestinal Dysfunction and Liver Inflammation in Response to Moderate Ethanol: Implications for Alcohol use in the Aging Population. Society for Leukocyte Biology meeting, October 2021 (Virtual due to COVID19). Selected for oral poster presentation.
458. Walrath, T.M., Najarro, K.N., McMahan, R.H., Idrovo, J-P., Herson, P.S. and **Kovacs**, E.J. Positive correlation between intestinal permeability and neuroinflammation in aged mice after scald-burn injury. Society for Leukocyte Biology meeting, October 2021 (Virtual due to COVID19). Selected for oral presentation.
459. Choy, K., Dyamenahalli, K., Frank, D.N., Najarro, K.N., Boe, D.M, Colborn, K.L., Idrovo, J.-P., Wagner, A.L., Wiktor, A.J., Afshar, M., Burnham, E.L, McMahan, R.H., and **Kovacs**, E.J. Age and burn size influence the magnitude of fecal dysbiosis in adult burn patients. Shock Society, October 2021 (Virtual due to COVID19) Selected for oral presentation and received travel award.
460. Muro, I., **Kovacs**, E.J., and Idrovo J.-P. The livers of aged mice exhibit aberrant apoptosis during the acute stress response. Shock Society, October 2021 (Virtual due to COVID19) Selected for poster and brief oral presentation.
461. Walrath, T., Najarro, K.N. Boe, D.M. Idrovo, J.-P., McMahan, R.H., and **Kovacs**, E.J. Kovacs. Scald-burn injury induces sustained alterations in SOX9 and REG3G in the ileum of aged mice. Shock Society, October 2021 (Virtual due to COVID19) Selected for poster and brief oral presentation.
462. Najarro, K.M., Mullen, J.E., Paul, M.T., Boe, D.M., Frankel, J.H., Hulsebus, H.J. Walrath, T.M., Orlicky, D.J., McMahan, R.H., and **Kovacs**, E.J. Advanced age exacerbates intestinal damage and alters inflammatory responses post burn injury in mice. Shock Society, October 2021 (Virtual due to COVID19) Selected for poster and brief oral presentation.
463. Dyamenahalli, K.U., Najarro, K.M., Idrovo, J.-P., Curtis, B.J. and **Kovacs**, E. J. Antimicrobial peptide levels in lungs are altered when ethanol intoxication precedes cutaneous burn injury. Shock Society, October 2021 (Virtual due to COVID19) Selected for poster and brief oral presentation.
464. Khair, Shanawaj, Curtis, B.J., and **Kovacs**, E.J. Does a single ethanol exposure prior to burn injury in mice worsen pulmonary inflammation as much as episodic exposure of ethanol? Alcohol and Immunity Research Interest Group (AIRIG) Meeting, Maywood, IL, November 2021.
465. McMahan, R.H., Hulsebus,H.J., Najarro, K.N., and **Kovacs**, E.J. Metabolomics assessment reveals increased hepatic pro-inflammatory metabolites in aged mice after moderate ethanol exposure Alcohol and Immunity Research Interest Group (AIRIG) Meeting, Maywood, IL, November 2021.
466. Hulsebus, H.J. Najarro, K.M. McMahan, R.H., and **Kovacs**, E.J. Ethanol suppresses the murine alveolar macrophage response to *Streptococcus pneumoniae*: Role of A20 and NF-kB signaling. Alcohol and Immunity Research Interest Group (AIRIG) Meeting, Maywood, IL, November 2021.
467. Walrath, T.M., Najarro, K.M., McMahan, R.H., Idrovo, J.-P., Quillinan, N., Herson, P.S., and **Kovacs**, E.J. Heightened neural inflammation in the hippocampus after scald burn injury in aged mice. American Association of Immunologists, Portland, OR, May 2022. Selected for poster presentation, received poster travel award.
468. Choy, K., Dyamenahalli, K.U., Khair, S., Colborn, K.L., Wiktor, A.J., McMahan, R.H., Burnham, E.L., and **Kovacs**, E.J. Alcohol Intoxication Dysregulates Initial Systemic Inflammatory Response and Impairs Cognitive Dysfunction in Burn Patients. 9th Annual Department of Surgery Research Symposium, University of Colorado at Denver, May 2022.
469. Muro, I., Qualman, A.C., **Kovacs**, E.J. and J-P Idrovo. Early hypo-inflammation in aged mice reduces liver transcription of acute phase proteins after burn injury. Shock Society meeting, Toronto, Ontario, CA, June 2022. Selected for poster presentation.
470. Choy, K., Dyamenahalli, K., Khair, S.R., Giesy, L., Najarro, K., Colborn, K.L., McMahan, R.H., Burnham, E.L., and **Kovacs**, E.J. Alcohol intoxication impairs initial systemic inflammatory response in burn injured patients. Shock Society meeting, Toronto, Ontario, CA, June 2022. Selected for short oral presentation, received travel award.
471. Khair, S., Choy, K., Walrath, T.M., McMahan, R.H., Giesy, L., Hulsebus, H.J., Najarro, K., and. **Kovacs**, E.J. will exposure prior to burn injury contributes to mesenteric adipose tissue dysfunction by suppressing the anti-inflammatory response. Shock Society meeting, Toronto, Ontario, CA, June 2022. Selected for poster presentation, received minority travel award.
472. Muro, I., Tobin, R.P., Qualman, A.C., McMahan, R.H., Newell-Rogers, K., **Kovacs**, E.J. and J-P Idrovo. α7-nAChR expression and Kupffer cells from aged mice after burn injury. Shock Society meeting, Toronto, Ontario, CA, June 2022. Selected for poster presentation.
473. **Kovacs**, E.J., Hulsebus, H.J. Hulsebus, Najarro, K.M., and McMahan, R.H. Novel model of aging and alcohol: The gut-lung axis. Annual BALR (British Association Lung

Research) Conference. Liverpool, England, September 2022. (Invited speaker).

1. Anton, P., Rutt L., Busquet, N., Kaufman, M, **Kovacs**, E.J., and McCullough, R. Binge ethanol accelerates neuroinflammation and cognitive dysfunction in advanced age. Society for Leukocyte Biology meeting, Big Island, HI, October 2022. Selected for Presidential Award competition, oral presentation, and travel award.
2. McMahan, R.H., Najarro, K.M., Giesy, L.E., Khair, S., Choy, K., Schnabl, B., Walrath, T.M., and **Kovacs**, E.J. Ethanol intoxication and post burn neuroinflammation involves the gut-brain axis. Society for Leukocyte Biology meeting, Big Island, HI, October 2022. Selected for oral presentation and AIRIG travel award.
3. Dagdag, A., Kanwar, J., Mohyuddin, H., Pásaro, E., Constantine, N., Ortmeyer, H.K., Tizenberg, B., Afram, L., Marano, C., Lowry, C.A., Hoisington, A.J., RachBeisel, J.A., Lema-Arranz, C., Wences-Chirino, T, Fernández-Bertólez, N., Maseda, A., Millán-Calenti, J.C., **Kovacs**, E.J., Brenner, L.A., Lorenzo-López, L., Valdiglesias, V., LaffonB., Postolache, T.T. Toxoplasma IgG serosensitivity is positively associated with cognitive impairment in older adults even after adjustment for depression.The 40th International Winter-Workshop on Clinical, Chemical and Biochemical Aspects of Pteridines and Related Topics, Innsbruck, Austria, February 2023.
4. Khair, S., McMahan, R.H., Walrath, T.M., Choy, K., Najarro, K.M., Giesy, L., and **Kovacs**, E.J. Cathelicidin-related Antimicrobial Peptide Gene Expression in Lungs is Impaired when Ethanol Intoxication Precedes Cutaneous Burn Injury. Gordon Research Conference Alcohol and End-Organ Disease. Ventura, CA, March 2023. (Selected for short oral presentation and GRC travel award)
5. McMahan, R.H., Giesy, L.E., Choy, K., Schnabl, B., and **Kovacs**, E.J. Ethanol intoxication promotes neuroinflammation after burn injury via the gut-brain axis. Gordon Research Conference Alcohol and End-Organ Disease. Ventura, CA, March 2023. (Selected for short oral presentation and GRC travel award)
6. Ketels, T., Qualman, A., Hosokawa, P., Wiktor, A., **Kovacs**, E.J., and Idrovo, J.P. Albumin to alkaline phosphatase ratio in burn-induced liver damage. American Burn Association, Dallas TX, April 2023.
7. McMahan, R.H., Giesy, L.E., Najarro, K.M., Khair, S., Choy, K., Frank, D.N., Schnabl, B., Walrath, T., and **Kovacs**, E.J. Ethanol-induced potentiation of post-burn neuroinflammation involves the gut-brain axis. Shock Society, Portland, OR, June 2023 (Selected of short oral presentation)
8. Khair, S., Choy, K., Najarro, K.M., Giesy, L., Walrath, T.M, McMahan, R.H., and **Kovacs**, E.J. Role of antimicrobial peptides in ethanol intoxication and post burn pulmonary inflammation Shock Society, Portland, OR, June 2023 (Selected of poster presentation)
9. Walrath, T., Najarro, K.N., Giesy, L.E., Frank, D.N., Orlicky, D.J., Idrovo, J.-P., McMahan, R.H., and **Kovacs**, E.J. Advanced age inhibits colonic antimicrobial peptide response to burn injury, exacerbating dysbiosis, systemic bacterial spread, and neuroinflammation. Shock Society, Portland, OR, June 2023. (Selected for short oral presentation as a Finalist in the Young Investigator Competition)
10. Qualman, A., Pratap, A., Rincon, M., **Kovacs**, E.J., and Idrovo, J.-P. Silencing the mitochondrial protein MCJ ameliorates hepatic damage in aged animals after burn injury. Shock Society, Portland, OR, June 2023 (Selected for short oral presentation)
11. Smith, A., Dennis, J., Warren, O., Deville, P., Fontenot, C., Hobden, J., Carter, J., Molina, P., **Kovacs**, E.J., and Phelan, H. Adipose-derived stem cells from burn patients with higher body mass index have increased CO2 retention. Shock Society, Portland, OR, June 2023 (Selected for poster presentation)
12. Qualman, A., Pratap, A., Rincon, M., **Kovacs**, E.J. and Idrovo, J.-P. Silencing hepatic MCJ in

aged mice attenuate ER stress and decreases liver injury after major trauma. American

Association for the Surgery of Trauma (AAST), Anaheim, CA, September 2023. . (Abstract selected for poster presentation)

1. McMahan, R, H., Giesy, L.E., Najarro, K.M., Frank, D.N., and **Kovacs**, E.J. Ethanol exacerbates neuroinflammation in a murine model of burn injury and this parallels changes in the gut microbiota. VA Research Day, Aurora, CO, September 2023. (Abstract selected for poster presentation)
2. Najarro, K.N., McMahan, R, H., Giesy, L.E., Khair, S., and **Kovacs**, E.J. Effect of myeloid argnase 1 deficiency on multi-organ response to burn trauma. VA Research Day, Aurora, CO, September 2023. (Abstract selected for poster presentation)
3. Walrath, T.M., Najarro, K.M., Giesy, L.E., Khair, S., Frank, D.N., Idrovo, J.-P., McMahan, R.H., and **Kovacs**, E.J. Inflammaging and the Loss of Protective Intestinal *Akkermansia muciniphilia* Parallel Heightened Neuroinflammation in a Mouse Model of Traumatic Injury. Keystone Conference on Immunity and Aging, Whistler, British Columbia, Canada, October 2023. (Abstract selected for poster presentation)
4. Hoisington, A.J., Choy, K., Khair, S., Dyamenahalli, K.U., Najarro, K.N. Wiktor, A.J., Frank, D.N. Burnham, E.L., McMahan, R.H. and **Kovacs**, E.J. Presence of alcohol impacts microbiota in adult burn injury patients. Alcohol and Immunity Research Interest Group (AIRIG) Meeting, Aurora, CO, December 2023. (Abstract selected for poster presentation)
5. Khair, S., McMahan, R.H., and **Kovacs**, E.J. Lung mesenchymal stem cell frequency diminishes when ethanol intoxication precedes cutaneous burn injury. Alcohol and Immunity Research Interest Group (AIRIG) Meeting, Aurora, CO, December 2023. (Abstract selected for poster presentation)
6. McMahan, R.H., Giesy, L.E., Najarro, K.M., Frank, D.N., and **Kovacs**, E.J. Ethanol-Induced Potentiation of Post-Burn Neuroinflammation Correlates with Gut Microbiota Dysbiosis in Mice. Alcohol and Immunity Research Interest Group (AIRIG) Meeting, Aurora, CO, December 2023 (Abstract selected for poster presentation)
7. Meza Monge, K., Qualman, A.C., Pratap, A., **Kovacs**, E.J., and Idrovo, J.P. hepatic expression of sirtuins in young and aged mice post-burn: Insights into liver damage. American Surgical Congress, Washington, DC, February 2024. (Abstract selected for oral presentation)
8. **Kovacs**, E.J., D.M. Boe, K.M. Najarro, D. Frank, J.-P. Idrovo, R.H. McMahan, and T.M. Walrath. Inflamm-aging, burns, and the gut-lung axis in mice. American Burn Association annual meeting, Chicago, IL, April 2024. (Abstract selected for oral presentation)
9. McMahan, R.H., Giesy, L.E., Najarro, K.M., Khair, S., Walrath, T., Frank, D.N., and **Kovacs**, E.J. Ethanol Ethanol intoxication prior to burn injury elevates neuroinflammation and this parallels changes in the gut microbiome. Research Society on Alcoholism, Minneapolis, MN, June 2024. (Abstract selected for poster presentation)
10. Zillich, L., Wagner, J., McMahan, R.H., Park, L.M., Hodgkinson, C., **Kovacs**, E.J. and Lohoff, F. Multi-omics analysis of alcohol effects on the liver in young and aged mice. Research Society on Alcoholism, Minneapolis, MN, June 2024. (Abstract selected for poster presentation)
11. Anton, P.E., McMahan, R., **Kovacs**, E.J., and McCullough, R.L Investigating the role of intestinal microbiome as a causal driver of age-related neuroinflammation in a model of intermitting binge ethanol exposure. Research Society on Alcoholism, Minneapolis, MN, June 2024. (Abstract selected for oral presentation)
12. Meza Monge, K., Qualman, A.C., Pratap, A., **Kovacs**, E.J., and Idrovo, J-P. Deciphering the Age-Associated Liver Response in Mice Post-Burn: Involvement of Sirtuins and Their Clinical Relevance. American College of Surgeons Quality and Safety Conference. Denver CO, July 2024. (Abstract selected for poster presentation)
13. Khair, S., Choy, K., Najarro, K.M., Giesy, L., Walrath, T.M., McMahan, R.H., **Kovacs**, E.J. Antimicrobial peptides are expressed in lung epithelial cells after burn injury. National MD/PhD Conference, Breckenridge, CO July 2024 (Abstract selected for poster presentation)
14. Hoisington, A.J., Stamper, C.A., Stearns-Yoder, K.A., **Kovacs**, E.J., and Brenner, L.A. Alcohol influences gut microbiome: results and implications for United States military members and Veterans. Tri-Services Microbiome Consortium 8th Annual Meeting, Colorado Spring, CO, September 2024. (Selected for oral presentation)
15. Meza Monge, K., Pratap, A., Qualman, A.C., Kovacs, E.J., and Idrovo, J.P. Alleviating mitochondrial stress in burn induced liver cells through methylation-controlled J protein silencing. American Association of the Surgery of Trauma. September 2024, Las Vegas, NV. (Selected for oral presentation)
16. Khair, S., McMahan, R.H., Najarro, K.M., Frank, D.N. Frank, and Kovacs. E.J. Gut microbial dysbiosis after ethanol and burn injury correlates with lung cathelicidin-related antimicrobial peptide mRNA expression. Alcohol and Immunology Research Interest Group (AIRIG) Meeting, Maywood, IL., December 2024 (Received Travel Award, Abstact selected for poster presentation)
17. McMahan, R.H., Najarro, K.M., Khair, S., Walrath. T., and Kovacs. E.J. Ethanol exposure and burn injury in mice results in unique changes in the fecal metabolome suggesting alterations in the gut-brain axis. Alcohol and Immunology Research Interest Group (AIRIG) Meeting, Maywood, IL., December 2024 (Abstract selected for poster presentation)
18. Hoisington, A.J., Stamper, C.E., **Kovacs**, E.J., and Brenner, L.A. Alcohol Use and the Fecal Microbiome Among those Seeking Care in the Emergency Department for Acute Mild Traumatic Brain Injury. Alcohol and Immunology Research Interest Group (AIRIG) Meeting, Maywood, IL, December 2024. (Received Travel Award, Abstract selected for oral presentation)
19. Hoisington, A.J., Stamper, C.E., **Kovacs**, E.J. and Brenner, L.A. Exploring the Intersection of Traumatic Brain Injury and Alcohol on Longitudinal Inflammation and Microbiome for those seeking in Emergency Department Care. World Brain Injury Congress. Montreal, Quebec, Canada, March 2025. (Abstract selected for oral presentation)
20. McMahan, R.M., Najarro, K.M., Walrath, T.M., Khair, S., Idrovo, J.-P, and Kovacs, E.J. DepartmenInflamm-aging, neuroinflammation, and fecal metabolites after burn injury in mice. American Association of Immunologists, Honolulu, HI, May 2025

**INVITED LECTURES, SEMINARS, AND PRESENTATIONS**

“Control of expression of interleukin-1 genes.” Biological Response Modifiers Program, Frederick, MD, September 1985.

“Induction of cellular proto-oncogene expression by interleukin-1.” Merrill-Dow Pharmaceuticals, Cincinnati, OH, November 1985.

“Regulation of IL-1 gene expression by DNA methylation.” National Institute of Aging, Baltimore, MD, January 1986.

“Cloning of interleukin-1 β genomic DNA.” Northwestern University, January 1986.

“Induction of cellular proto-oncogene expression by MDGF.” Univ of Milan, Milan, Italy, March 1986

“Expression of transfected interleukin-1 β genomic clones in fibroblasts.” Department of Cell Biology,

 Neurobiology & Anatomy, Loyola University, Maywood, IL, May 1986.

“Regulation of expression of IL-1 and other cytokine genes in macrophages and lymphokine activated killer cells.” Department of Hypersensitivity Disease Research, Upjohn Company, Kalamazoo MI, January 1987.

“Expression of cytokine genes during the generation of LAK cells.” Biological Response Modifiers Program, Frederick, MD, March 1987.

“Control of IL-1 and TNF-α gene expression by inhibitors of second messenger pathways.” Biological Response Modifiers Program, Frederick, MD, March 1987.

“Expression of cytokine genes in human lymphokine activated killer cells.” Department of Pathology and Cell Biology Program, University of Vermont School of Medicine, September 1987.

“Induction of IL-1 gene expression by IL-2 in human monocytes.” Reticuloendothelial Society, Kauai, Hawaii, October 1987.

“Cytokine gene expression: IL-2 induction of IL-1 ß mRNA.” Department of Microbiology, Loyola University Stritch School of Medicine, Maywood IL, November 1987.

“Control of LPS induced interleukin-1 and tumor necrosis factor mRNA expression by inhibitors of second messenger pathways in murine macrophages.” Hilton Head Island, SC, December 1987

“Cytokine gene expression in the immune system.” Department of Oral Biology, Northwestern University, January 1988.

“Expression of cytokine genes by monocytes and macrophages.” Department of Anatomy, Loyola University Stritch School of Medicine, Maywood IL, February 1988.

“Induction of interleukin-1 ß mRNA expression by interleukin-2 and its inhibition by agents which block second messenger pathways.” Federation Meetings, Las Vegas, NV, May 1988.

“Induction of fibroblast proliferation by lymphokine activated killer cells derived cytokines.” Federation Meetings, New Orleans, LA, March 1989.

“LAK cell induced fibrogenesis.” Biological Response Modifiers Program, National Cancer Institute-Frederick Cancer Research Facility, Frederick, MD, April 1989.

“Production of scar tissue by lymphokine activated killer cell-derived cytokines including TGF-ß and PDGF.” Graduate School Symposium Series, Loyola University Stritch School of Medicine, Maywood, IL, April 1989.

“Control of IL-1 and TNF-α gene expression by inhibitors of second messenger pathways.” Janssen Research Foundation, Spring House, PA, April 1989.

“Regulation of IL-1 and TNF-α gene expression: control by agents which inhibit second messenger pathways.” Argonne National Laboratories, Argonne, IL, November 1989.

“LAK cell expression of PDGF and TGF-ß mRNAs: Possible role in the development of adhesions in patients given intraperitoneal LAK/IL-2 therapy.” Second International Workshop on Cytokines, Hilton Head, SC, December 1989.

“Second messenger pathways involved in the control of IL-1 and TNF-α gene expression.” Department of Microbiology and Immunology, Chicago Medical College, North Chicago, IL, March 1990.

 “Control of IL-1 and TNF-α gene expression by agents which inhibit second messenger pathways.” Department of Immunology, Sandoz Forschungsinstitut, Vienna, Austria, March 1990.

“Control of PDGF and TGFβ gene expression: the role of cytokines in the development of peritoneal adhesions in cancer patients receiving intra-abdominal adoptive immunotherapy.” Department of Medicine, Brown University, Providence RI, October 1990.

“Selective induction of PDGF A chain and B chain gene expression in rat peritoneal macrophages by interleukin-2.” International RES Congress, Crete, Greece, October 1990.

“Role of PDGF and TGFβ in the development of peritoneal adhesions in cancer patients receiving intra-abdominal IL-2/LAK cell therapy.” Fifth Annual Conference on Clinical Immunology, Chicago, IL, November, 1990.

“Control of expression of PDGF A chain and B chain genes.” Biological Response Modifiers Program, NCI-FCRDC, Frederick, MD, February 1991.

“Role of cytokines in the control of connective tissue production.” Department of Pathology, University of Kansas, Kansas City, KS, March 1991.

“Fibrogenic cytokines.” University Rheumatology Council, Chicago IL, May 1991.

“Expression of transfected human interferon-γ genomic DNA in a murine macrophage cell line.” Biological Response Modifiers Program, National Cancer Institute, Frederick, MD, June 1991.

“Role of PDGF and TGFβ in the development of peritoneal adhesions in cancer patients receiving intra-abdominal IL-2/LAK cell therapy.” FASEB Conference on Wound Healing, Saxons River, VT, August 1991.

“Expression of transfected human interferon-γ genomic DNA in a murine macrophage cell line: evidence for cytokine control.” 28th Annual Meeting of the Society for Leukocyte Biology, Aspen, CO, September 1991.

“Why macrophages don't make interferon-γ or expression of transfected human interferon-γ genomic DNA in murine macrophages.” Molecular Biology Program, Loyola University Chicago, Maywood, IL, September 1991.

“Macrophages constitutively express a nuclear factor which binds to the putative silencer element of the human interferon-γ gene.” International Cytokines Workshop, Stresa, Italy, November 1991

“Expression of transfected human interferon-γ genomic DNA in murine macrophages.” Center for Cancer and Transplantation Biology, Children's Research Institute, Children's National Medical Center, Washington, D.C., May 1992.

“Transfection and expression human interferon-γ genomic DNA in murine macrophages.” Loyola University Shock Trauma Research Institute, Loyola University Chicago, Maywood, IL, May 1992.

“Expression of transfected human interferon-γ genomic DNA in murine macrophages and the development of IFNγ-based gene therapy for the treatment of fibrotic disorders.” McGill Centre for Host Resistance, Montreal General Hospital, Montreal, Canada, May 1992.

“Macrophage regulation of interferon-γ gene expression: nuclear binding proteins and transfected genomic DNA.” The Second Penny Riemer International Workshop on Scleroderma Research, Chicago, IL, September 1992.

“Fibrogenic cytokines and the production of connective tissue.” University Rheumatology Council, Chicago IL, December 1992.

“Estrogen modulation of JE/MCP-1 mRNA expression in macrophages.” American Association of Immunologists/Clinical Immunology Society Joint Meeting, Denver, CO, May 1993.

“Estrogen control of MCP-1 mRNA expression in THP-1 monocytic leukemia cells.” International Congress on Regulation of Leukocyte Production and Immune Function, Sydney, Australia, December 1993.

“Estrogen inhibition of peritoneal adhesion formation: Is it mediated by regulation of JE/MCP-1 mRNA expression?” Biological Response Modifiers Program, NCI-FCRDC, Frederick, MD, February 1994.

“Estrogen inhibition of peritoneal adhesion formation: Is it mediated by regulation of monocyte chemoattractant protein-1?” Department of Veterinary Pathology, University of Illinois at Urbana-Champaign, Urbana, IL, April 1994.

“Tamoxifen reverses estrogen inhibition of JE/MCP-1 mRNA expression in macrophages.” Second International Cytokines Workshop, Banff, Alberta, Canada, October 1994.

“All about blood.” Oliver Wendel Holmes School, District 97, Oak Park, IL, March, 1995.

“Chemokines in wound healing and other repair processes.” Department of Dermatology, Sandoz Forschungsinstitut, Vienna, Austria, July 1995.

“Estrogen suppression of MCP-1 mRNA expression correlates with attenuation of connective tissue deposition in murine model of peritoneal adhesion formation.” Annual Meeting of the Society for Leukocyte Biology, Marco Island, FL, September 1995.

“Mechanisms of steroid hormone action.” Burn & Shock Trauma Research Institute, Department of Surgery, Loyola University, Maywood, IL, October 1995.

“Fibrogenic cytokines in peritoneal adhesion formation.” Gastroenterology, Hines VA Hospital, Hines, IL, November 1995.

“Estrogen control of cytokine gene expression in murine macrophages.” Department of Immunology and Microbiology, Rush-Presbyterian-St. Lukes Medical Center, Rush University, Chicago, IL, December 1995.

“Lungs and Asthma.” Oliver Wendel Holmes School, District 97, Oak Park, IL, February 1996.

“Experimental approaches to burn injury: cellular and molecular aspects.” Department of Surgery, Loyola University, Maywood, IL, July 1996.

“Mechanisms of estrogen regulation of MCP-1 mRNA expression.” Department of Metabolic Diseases, Pfizer Inc., July 1996.

“Estrogen suppression of MCP-1 mRNA expression in vivo: Role in peritoneal connective tissue deposition.” Joint meeting of the Society for Leukocyte Biology and the European Macrophage Study Group, Verona, Italy, October 1996.

“Estrogen regulation of chemokine production.” Department of Molecular Biology, Instituto Giannina Gaslini, Genoa, Italy, October 1996.

“Estrogen and the inflammatory response.” Rheumatology Division, Department of Medicine, University of Illinois - Chicago, November 1996.

“Lungs and Smoking.” Oliver Wendel Holmes School, District 97, Oak Park, IL, February 1997.

“Estrogen control of macrophage cytokine gene expression: An explanation for gender differences in the immune response.” 4th International Congress on The Immune Consequences of Trauma, Shock and Sepsis. Munich, Germany, March 1997.

“Does intracellular cAMP play a role in estrogen inhibition of MCP-1 mRNA expression?” Keystone Symposium: The role of chemokines in leukocyte trafficking, Copper Mountain, CO, March 1997.

“Fibrin sealant inhibits peritoneal adhesion formation.” XVIth Congress of the International Society on Thrombosis and Haemostasis, Florence, Italy, June 1997.

“Estrogen regulation of macrophage cytokine gene expression.” Department of Microbiology and Immunology, Chicago Medical College, North Chicago, IL, October 1997.

“Writing a research grant: A simplified approach.” Injury Prevention Program, Burn & Shock Trauma Research Institute, Loyola University, January 1998.

“Estrogen control of cytokine gene expression may explain the gender difference in immune response following thermal injury.” International Workshop Surgery and Critical Care - Cellular and Molecular Mechanisms. Bonn, Germany, March 1998.

“Mechanisms of estrogen modulation of macrophage cytokine gene expression.” Department of Physiology, University of Illinois, Chicago, April 1998.

“Therapeutic intervention for excess connective tissue deposition.” Burn & Shock Trauma Research Institute, Loyola University, January 1998.

“How alcohol effects your body.” Oliver Wendel Holmes School, District 97, Oak Park, IL, May 1998.

“Fibrogenic cytokines: The role of immune mediators in the development of scar tissue.” Seventh International Symposium of Molecular Cell Biology of Macrophages, Yamagata-City, Japan, June 1998.

“Estrogen control of cytokine gene expression in macrophages: Does it play a role in immunoregulation and wound healing?” Molecular Biology Program, Loyola University, September, 1998.

“Estrogen, cytokines, and the control of immune function after thermal injury.” Grand Rounds, Department of Surgery, Loyola University, April 1999.

“Aging, macrophage mediators, and the response to burn trauma.” Aging Symposium, Neuroscience and Aging Institute, Loyola University, April 1999.

“Smoking and your lungs.” Oliver Wendel Holmes School, District 97, Oak Park, IL, May 1999.

“Hearts and their parts.” Oliver Wendel Holmes School, District 97, Oak Park, IL, May 1999.

“Estrogen, macrophages, and wound healing.” Tissue Repair Division, Pfizer Limited, Sandwich, Kent, United Kingdom, September 1999.

“Gender difference in immune response after injury is mediated by estrogen’s effects on IL-6.” Society for Leukocyte Biology 15th International Conference, Churchill College, University of Cambridge, Cambridge, England, September 1999.

“Anti-interleukin-6 antibody treatment restores some but not all immune functions after thermal injury.” Seventh Annual Conference of the International Cytokine Society, Hilton Head, SC, December 1999.

“Alcohol and your brain.” Young Scientists Conference, District 97, Oak Park Education Foundation, Global Village, Oak Park, IL, March 2000.

“Smoking and your lungs.” Abraham Lincoln School, District 97, Oak Park Education Foundation, Global Village, Oak Park, IL, March 2000.

“Estrogen, cytokines, and wound healing.” The Schepens Eye Research Institute, Harvard Medical School, Harvard University, 20 Staniford St., Boston, MA, April 2000

“Alcohol.” Abraham Lincoln School, District 97, Oak Park Education Foundation, Global Village, Oak Park, IL, April 2000.

“Lungs at work.” Bring Your Child to Work Day, Department of Surgery, Loyola University Medical Center, April 2000.

“Alcohol effects on your brain.” Oliver Wendel Holmes School, District 97, Oak Park Education Foundation, Global Village, Oak Park, IL, May 2000.

“Estrogen and gender differences in the immune response to injury.” Department of Microbiology and Immunology, University of Louisville School of Medicine, Louisville, KY, August 2000.

“Estrogen, chemokines, and wound healing.” 34th Annual Meeting of Society for Leukocyte Biology, Interactions of Innate and Acquired Immunity, Boston, MA, October 2000.

“Improved survival and immunity in interleukin-6 deficient mice subjected to burn trauma.” Third joint meeting of the ICS/ISICR, Amsterdam, the Netherlands, November 2000.

“Effects of acute ethanol exposure on immune responses after burn injury.” Alcohol Research Center and Department of Physiology, Louisiana State University, New Orleans, LA, January 2001.

“Pulmonary consequences of alcohol exposure prior to burn injury.” Pulmonary Medicine, Louisiana State Univ., New Orleans, LA, January 2001.

“Smoking and lung cancer.” Oliver Wendel Holmes School, District 97, Oak Park Education Foundation, Global Village, Oak Park, IL, February 2001.

“Effects of estrogen on MCP-1 regulation in peritoneal adhesion formation.” First Annual Symposium on Immunogenetic Mechanisms of Intestinal Inflammation: Role of Cytokines and Chemokines, Charlottesville, VA, March 2001.

“Alcohol and your brain.” Young Scientists Conference, Global Village, District 97, Oak Park Education Foundation, Global Village, Oak Park, IL, March 2001.

“Smoking and your lungs.” Coventry Preparatory School, Coventry England, March 2001.

“Cytokine dysregulation after acute alcohol exposure and burn injury.” Alcohol Research Program, April 2001.

“Estrogen regulation of immune responses.” Estrogen 2001. Modena, Italy, May 2001.

“Glucocortioids and immunoregulation after alcohol exposure and burn injury.” 24th Annual Meeting of the Research Society on Alcoholism, Montreal, Canada, June 2001.

“Chemokine dysregulation after acute ethanol exposure.” 24th Annual Meeting of the Research Society on Alcoholism, Montreal, Canada, June 2001.

“Immune responses after injury: regulation by estrogen and pro-inflammatory cytokines.” Department of Cell Biology, Neurobiology, and Anatomy, Loyola University, Maywood, IL, Sept 2001.

“Immunity after ethanol exposure and burn injury: Steroids and cytokines.” Burn & Shock Trauma Research Institute, Loyola University, December 2001.

“What alcohol does to your brain.” York Center School (grade 4), 2 sessions, February 2002.

“Glucocorticoid control cellular immunity after alcohol exposure and injury.” Department of Nutrition, Case Western Reserve University, Cleveland, OH, February 2002.

“Alcohol and your brain.” Young Scientists Conference, Global Village, District 97, Oak Park, IL, March 2002, 2 sessions.

“Role of HPA axis and glucocorticoids in alcohol induced immunosuppression.” Symposium Speaker: Neural Immune Mechanisms in Innate Host Defense: Do they Contribute to Alcohol Immunosuppression? Experimental Biology 2002. New Orleans, LA, April 2002

“Estrogen improves cellular immunity in ethanol exposed, burn injured male mice via NFkB regulation of interleukin-6.” American Burn Association, Chicago IL, April 2002.

“Gender differences, gonadal steroid hormones, and cell-mediated immunity after burn trauma.” American Burn Association, Chicago IL, April 2002.

“Aging and cell-mediated immunity after traumatic injury.” Immunology and Aging Tissues Workshop, National Institutes of Health, Bethesda, MD, June 2002.

“Immunosuppression in injured-aged mice is associated with a TH1-TH2 shift.” International Conference on Aging and Immunology. Washington, DC, June 2002.

“Immunosuppression after injury in aged mice is associated with a TH1-TH2 shift, which can be restored by estrogen treatment.” Joint Meeting of ICS and SLB, Torino, Italy October 2002.

“Smoking, pollution, and your lungs.” Gwendolyn Brooks Junior High School Science Club, District 97, Oak Park Education Foundation, Global Village, Oak Park, IL, February 2003.

“Alcohol and your brain.” Young Scientists Conference, District 97, Oak Park Education Foundation, Global Village, Oak Park, IL, March 2003, 2 sessions.

“Skin and skin cancer.” Gwendolyn Brooks Junior High School Science Club, District 97, Oak Park Education Foundation, Global Village, Oak Park, IL, March 2003.

“Anatomy and physiology: Dissecting fetal pigs.” Gwendolyn Brooks Junior High School Science Club, District 97, Oak Park Education Foundation, Global Village, Oak Park, IL, Spring 2003.

“Cytokines and inflammatory responses.” Division of Immunobiology Research and Development, Centocor, Inc. Wayne, PA, May 2003.

“Cytokines and survival after acute alcohol exposure and burn injury.” Division of Immunobiology Research and Development, Centocor, Inc. Wayne, PA, May 2003.

“Aging and macrophage mediators after injury.” Satellite Symposium on Innate Immunity and Aging, 36th Annual Meeting of the Society for Leukocyte Biology, Philadelphia, PA, October 2003.

“Smoking, pollution, and your lungs.” Gwendolyn Brooks Junior High School Science Club, District 97, Oak Park Education Foundation, Global Village, Oak Park, IL, January 2004.

“Alcohol and your brain.” Young Scientists Conference, District 97, Oak Park Education Foundation, Global Village, Oak Park, IL, February 2004, 2 sessions.

“Acute alcohol exposure and immune responses after burn injury.” Central Surgical Association Annual Meeting. Chicago, IL, March 2004.

“Anatomy and physiology: Dissecting fetal pigs.” Gwendolyn Brooks Junior High School Science Club, District 97, Oak Park Education Foundation, Global Village, Oak Park, IL, Spring 2004.

 “Neuroendocrine stress responses and immunity after injury.” Symposium on Assessment of steroid hormones as a foundation for therapeutic modulation of inflammation and cardiovascular responses following injury at the 6th World Congress on Trauma, Shock, Inflammation and Sepsis, Munich, Germany, March 2004.

“Estrogen, gender, and inflammatory responses after alcohol and burn injury” Burn and Shock Trauma Research Institute, Loyola University, Maywood, IL, June 2004.

“Prolonged immunosuppression in female mice exposed to the combined insult of ethanol and burn is associated with IL-6 and IL-10 production.” 27th Annual Conference on Shock, Halifax, Nova Scotia, Canada, June 2004.

“In vivo ethanol exposure suppresses macrophage inflammatory responses mediated by Toll-like receptors (TLRs) 2, 4 and 9.” Annual Meeting of the Research Society on Alcoholism, Vancouver, BC, Canada, June 2004.

“Modulation of systemic inflammatory response by alcohol: Estrogen and gender differences in inflammatory responses after alcohol and burn injury.” Satellite Conference on Mechanisms of Alcohol-Mediated Organ and Tissue Damage: Inflammation and Immunity. Annual Meeting of the Research Society on Alcoholism, Vancouver, BC, Canada, June 2004.

“Overview of innate immune cells and cytokine production: Changes that occur with age.” National Institute on Aging Workshop on Inflammation, Inflammatory Cytokines and Aging, Bethesda, MD, September 2004.

“Innovative strategies for basic research.” NIA Workshop on Inflammation, Inflammatory Cytokines and Aging, Bethesda, MD, September 2004.

“Effect of age on TLR-mediated MAP kinase activation and proinflammatory cytokine production in macrophages.” NIA Aging Workshop, Trudeau Institute, Saranac Lake, NY, October 2004.

“Blocking IL-6 restores cell mediated immune responses after injury.” National Institute on Aging Workshop, Trudeau Institute, Saranac Lake, NY, October 2004.

“Increased susceptibility to pseudomonas infection of burn-injured mice given alcohol prior to injury.” Satellite Symposium on Alcohol and Immunology, 37th Annual Meeting of the Society for Leukocyte Biology, Toronto, Ontario, Canada, October 2004.

“IL-6 deficiency and cellular immune responses in aged mice” Symposium on Innate and Adaptive Immune Responses: Neutrophils and Macrophages. 37th Annual Meeting of the Society for Leukocyte Biology, Toronto, Ontario, Canada, October 2004.

“Estrogen modulation of inflammatory and immune responses in a burn shock and ethanol model.” 2005 NIH Integrative Neural Immune Program Workshop on Neural and Neuroendocrine Factors in Shock and Immune Tissue Damage: Implications for Biodefense Treatment Strategies, NIH Campus, Bethesda, MD, January 2005.

“Pulmonary inflammatory responses after acute ethanol exposure and burn injury.” Alcohol Research Program, Loyola University, Maywood, IL, January 2005.

“Alcohol and your brain.” Young Scientists Conference, District 97, Oak Park Education Foundation, Global Village, Oak Park, IL, February 2005, 2 sessions.

“Anatomy and physiology: Dissecting fetal pigs.” Gwendolyn Brooks Junior High School Science Club, District 97, Oak Park Education Foundation, Global Village, Oak Park, IL, Spring 2005.

“Estrogen replacement improves cell-mediated immunity in aged mice after burn injury” NIA Workshop: Endocrine-Immune Systems Interactions in Aging, Potomac, MD, April 2005.

“Ethanol prior to burn injury increases susceptibility to pseudomonas infection and upregulates pulmonary chemokine production.” American Burn Association, Chicago, IL, May 2005.

“Pulmonary consequences of combined insult of acute ethanol exposure and burn injury.” Annual Meeting of the Research Society on Alcoholism, Santa Barbara, CA, June 2005.

“Gender difference in cell-mediated immune responses after acute ethanol exposure and burn injury” Burn \*&d Shock Trauma Summer Research Seminar, Maywood, IL, July 2005.

“Aging impairs macrophage function after injury.” NCI Frederick Cancer Research and Development Center, Frederick, MD, October 2005.

“Aging, traumatic injury, and immunity: improvement following estrogen treatment.” Plenary Session on Aging of the Immune Response, Plenary Speaker, Austrian Society of Allergology and Immunology Graz, Austria, December, 2005.

“Aging and innate immune responses after injury.” Division of Allergy-Immunology, Northwestern University, Chicago, IL, April 2006

“Aging and the inflammatory response after traumatic injury.” Symposium on Aging and Shock, Shock Society, Denver, CO, June 2006.

“Aging, estrogen, and macrophages mediators after injury.” Symposium on Ageing Research in Immunology: the Impact of Genomics. Paris, France, September 2006.

“Gender differences in response to burn injury: mechanisms and treatment,” Symposium on Regulation of Inflammatory Responses: Influence of Gender/Sex, Bethesda, MD, September 2006.

“Aging, estrogen replacement, and inflammatory responses after burn injury in the mouse.” Grand Rounds, Department of Surgery, Loyola University, October 2006.

“Understanding the NIH grant review process,” Loyola University Post-Doc Organization, Loyola University, November 2006.

“Aging alters innate immune responses after injury.” Symposium on Aging and Immune Responses, Society for Leukocyte Biology, San Antonio TX, November 2006.

“Alcohol, estrogen, and inflammatory responses after injury.” Integrative Neural Immune Program, Section on Neuroendocrine Immunology & Behavior, NIMH/NIH, Bethesda, MD, February 2007.

“Lungs, smoking, and cancer.” William Beye Elementary School, District 97, Oak Park Education Foundation, Global Village, Oak Park, IL, April 2007.

“This is your brain. This is your brain on alcohol.” William Beye Elementary School, District 97, Oak Park Education Foundation, Oak Park, IL, April-May 2007, 3 sessions.

“Ethanol exposure impairs multiple macrophage functions.” Annual Meeting of the Research Society on Alcoholism, Chicago, IL, July 2007.

“Influence of alcohol on sex and immune response after injury.” 11th Congress of the European Society for Biomedical Research on Alcoholism, Berlin, Germany, September 2007.

“Alcohol modulates post-burn responses: Organ-specific inflammation and outflammation.” Co-Chair, Symposium entitled “Inflammatory dysfunction in disease,” Annual Meeting of the Society for Leukocyte Biology, Cambridge, MA, October 2007.

“Effects of aging on the pulmonary inflammatory response after injury.” Society for Critical Care Medicine, Honolulu, HI, February 2008.

“Alcohol and your brain” Association for Women in Science, “Girls in the Game” Event, Chicago, IL, June 2008.

“Aging and injury: Aberrant inflammatory responses and therapeutic interventions.” US-Japan Cooperative Medical Science Program Immunosenescence Workshop, Sponsored by NIAID, NIH, San Francisco, CA, June 2008.

“Advanced age is associated with increased pulmonary inflammation after burn injury and can be abrogated by treatment with anti-CXCR2 inhibition.” Fifth International Conference on Innate Immunity, Aegean Conferences, Chania, Crete, Greece, June 2008.

“Aging and differential effects of cytokine deficiencies in models of injury and infection.” Workshop on Mouse Phenotyping, National Institute on Aging, NIH, Bethesda, MD, July 2008.

“Defects in innate immunity with advanced age: Aberrant pulmonary response after scald injury in a murine model.” Department of Medicine, University of Illinois Chicago, September 2008.

 “Aging and innate immune responses after injury.” Department of Dentistry, Louisiana State University, New Orleans, LA, December 2008.

“Alcohol and tissue response to injury.” Department of Dentistry, Louisiana State University, New Orleans, LA, December 2008

“Alcohol and your brain.” Global Village Scientist and Group Leader, Young Scientists Conference, Mann School, Oak Park, Illinois, February 2009

“A constructive view on corporate programs and recent studies on the impact of alcohol impairment.” with Fern E. Asma, MD. Central States Occupational Medicine Association, Lisle, IL, March 2009.

“Alcohol exposure and pulmonary consequences of post burn infection.” 11th Capital City Conference of the German Society of Anesthesiology and Intensive Care Medicine. Berlin, Germany, September 2009.

“Aging and inflammatory responses after injury.” Department of Microbiology and Immunology, Loyola University Chicago, Maywood, IL, October 2009

“Local and systemic inflammatory response after alcohol and burn injury.” Alcohol Research Center, University of North Carolina at Chapel Hill, December 2009

“Aging and inflammatory responses after injury.” Wound Healing Center, University of Illinois, Chicago, Chicago, IL, January 2010.

 “Pulmonary consequences of alcohol exposure and burn injury.” Department of Surgery, Rhode Island Hospital, Brown University, Providence, RI, February 2010

“Alcohol and your brain.” Global Village Scientist and Group Leader, Young Scientists Conference, Mann School, Oak Park, Illinois, February 2010

 “Aging and innate immunity: Does inflamm-aging = macroph-aging?” in symposium entitled “Innate Immunity:  Friend or Foe,” 8th World Congress on Trauma, Shock, Inflammation and Sepsis (TSIS), Munich, Germany, March 2010

“Elevated inflammatory response after burns with acute alcohol exposure” in symposium entitled “The impact of preexisting comorbidities on trauma outcome,” of the 8th World Congress on Trauma, Shock, Inflammation and Sepsis (TSIS), Munich, Germany, March 2010

“This is your brain. This is your brain on alcohol.” William Beye Elementary School, District 97, Oak Park Education Foundation, Oak Park, IL, March 2010, 3 sessions

“Lungs, smoking, and cancer.” William Beye Elementary School, District 97, Oak Park Education Foundation, Global Village, Oak Park, IL, March 2010

“Combined insult of radiation exposure and burn injury triggers pulmonary and systemic inflammatory responses.” Animal Models and Medical Countermeasures Development for Radiation-Induced Lung Damage, NIAID, NIH, Bethesda, MD, April 2010

“Immunology Research: Challenges and Opportunities.” 2010 Research Advocacy Program. Immunology and Disease, 97th Annual Meeting of the American Association of Immunologists, Baltimore, MD, May 2010

“Acute ethanol exposure alters pulmonary chemokine profile and neutrophil activation after burn injury and infection.” Symposium on “Biological systems approach to understanding alcohol-induced tissue injury.” Annual Meeting of the Research Society on Alcoholism, San Antonio, TX, June 2010

“Alcohol enhances a multi-organ inflammatory response after burn injury,” Satellite Symposium “Alcohol as a Modifier of Biological Responses: Recent Updates.” International Society for Biomedical Research on Alcoholism, Paris, France, September 2010

“Pulmonary and systemic inflammatory response after combined insult of radiation exposure and burn injury.” Department of Radiation Oncology, University of Rochester, Rochester, NY, October 2010.

“Lungs, smoking, and cancer.” William Beye Elementary School, District 97, Oak Park Education Foundation, Global Village, Oak Park, IL, February 2011

“This is your brain. This is your brain on alcohol.” William Beye Elementary School, District 97, Oak Park Education Foundation, Oak Park, IL, February 2011

“Grant Fundamentals: NIH and the Grant Review Process.” Graduate Student Council, Loyola University Medical Center, February, 2011

“Advanced age, inflammation, and innate immune responses.” Symposium on Involvement of Inflammation in Physiological Processes, Oregon National Primate Research Center, Beaverton, OR, April 2011

“Alcohol-mediated effects on macrophage activation” 98th Annual Meeting of the American Association of Immunologists, San Francisco, CA, May 2011

“Aging and inflammatory responses after injury.” 2011 Nathan Shock Center Conference on Aging, San Antonio, TX, October 201

“Inflamm-aging and Tissue Response to Injury.” Department of Dermatology, University of Iowa, Iowa City, IL October 2011

“Pulmonary consequences of remote burn injury.” Department of Pharmacology and Section of Pulmonary, Critical Care, Sleep and Allergy, University of Illinois Chicago, Chicago, IL January 2012

“Lungs, smoking, and cancer.” William Beye Elementary School, District 97, Science Alliance, Oak Park Education Foundation, Oak Park, IL, February 2012

“This is your brain. This is your brain on alcohol.” William Beye Elementary School, District 97, Science Alliance, Oak Park Education Foundation, February 2012, 3 sessions

“Alcohol and Injury - A dangerous mix.” Central States Occupational Medicine Association, Lisle, IL, March 2012

“Immunology Research: Challenges and Opportunities.” 2012 Research Advocacy Program. Immunology and Disease, 99th Annual Meeting of the American Association of Immunologists, Boston, MA, May 2012

“Aging exacerbates inflammatory responses after injury.” Symposium entitled “The Influence of Predisposing Conditions on the Pathophysiology of Injury and Sepsis.” 2012 Shock Society Meeting, Miami Beach, FL, June 2012

“Alcohol alters inflammatory and immune responses after injury.” Symposium on “Core mechanisms of alcohol inducedmulti‐organ & tissue injury**.”** Annual Meeting of the Research Society on Alcoholism, San Francisco, CA, June 2012

“Aging and cutaneous wound infection.” Workshop on Inflammation in Wounds and Fibrosis, NIA NIH, Bethesda, MD, August, 2012

“Animal models of combined radiation injury.” Annual Meeting of the Radiation Research Society, Puerto Rico, September 2012

“Aging and the inflammatory responses after injury.” Barshop Institute for Longevity and Aging Studies, University of Texas Health Science Center at San Antonio, February, 2013

“Alcohol and Inflammatory Responses after Injury” Division of Liver Diseases, Department of Medicine, Mount Sinai School of Medicine, New York, NY, April 2013

“Macrophages, innate immunity and aging” Aging and Immunology Satellite Meeting at the International Congress on Immunology, Milan, Italy, August 2013

“Intoxication alters pulmonary response to remote injury.” Department of Physiology, Louisiana State University Health Sciences Center, New Orleans, LA, September 2013

“Aging and the macrophage response to injury.” Plenary session on Aging and Immunity. 47th Annual Meeting of the Society for Leukocyte Biology, Newport, RI, October 2013

“Pre-clinical Model Systems of Aging and Wound Healing/Repair. Association of Specialty Professors Workshop on Wound Repair and Healing in Older Adults, Pentagon City, VA, February 2014

“Immunology Research: Challenges and Opportunities.” Committee on Public Affairs, Research Advocacy Program, American Association of Immunologists, Bethesda, MD, June 2014

“Aging and the pulmonary complications after remote burn injury.” Plenary session on Aging, Annual Meeting of the Shock Society, Charlotte, NC, June 2014

“Introductory Overview.” Symposium on Alcohol and Trauma: Immunologic Consequences, Research Society on Alcoholism, Bellevue WA, June 2014

“Cellular and Chemical Mediators of Inflammation.” Advanced Immunology Course, American Association of Immunologists, Boston, MA, July 2014

“Aging and inflammatory responses after injury.” University of California Irvine, Irvine, CA, October 2014

“Effects of aging on inflammation and immunity after injury.” Plenary session on Immune Ontogeny, 48th Annual Meeting of the Society for Leukocyte Biology, Salt Lake City, UT, October 2014

“Alcohol intoxication alters pulmonary response to injury.” Department of Microbiology, Immunology, and Biochemistry, University of Tennessee Health Sciences Center, Memphis, TN, November 2014

“Inflamm-aging and the pulmonary response to injury.” Pulmonary Research in Progress, UC Denver and National Jewish Hospital, Denver, CO, January 2015

“Of Mice and Men: Similarity of effects of burn injury and alcohol exposure on immune and inflammatory parameters in mice and humans.” Workshop entitled “What are the strengths and weaknesses of mice as a model for humans in studies of immunological effects of drugs and chemicals?” Society on Toxicology, San Diego, CA, March 2015

“Pulmonary inflammation after intoxication and burn injury: Role of the gut-liver axis.” Department of Physiology, Louisiana State University Health Sciences Center, New Orleans, LA, May 2015

“Alcohol intoxication exacerbates the pulmonary response to remote injury” Symposium on Alcohol and Lung Injury and Immunity. Research Society on Alcoholism, San Antonio, TX, June 2015

“Aging and innate immune responses in the lung.” Session on Senescence of the mucosal immune system in lung and gut. Immunosenescence: Hot Topics & Interventions. A Satellite Symposium of the 4th European Congress of Immunology, Vienna, Austria, September 2015

“Alcohol intoxication and the pulmonary response to remote injury.” Department of Medicine, University of Illinois Chicago, Chicago, IL, September 2015

“Development of pulmonary fibrosis after combined radiation and burn injury.” Symposium on Radiation Combined Injury: Animal Models and Therapy. Radiation Research Society, Westin, FL, September 2015

“Inflamm-aging and its effects on pulmonary immune responses.” NIH Workshop on Aging and Lung Disease, National Heart, Lung, and Blood Institute and the National Institute on Aging, Bethesda, MD, September, 2015

“Aging, inflamm-aging and the pulmonary response to injury” Invited speaker, Symposium on “Proteostasis and Lung Aging.” Northwestern University, Chicago, IL, October 2015.

“Aging, inflamm-aging, and pulmonary innate immune responses after injury.” Division of Pulmonary, Critical Care, Sleep and Allergy, Department of Medicine, University of Nebraska School of Medicine, Omaha, NE, November 2015

“Alcohol and Pulmonary Inflammation after Injury: Role of the Gut-Liver Axis,” Division of Pulmonary, Critical Care, Sleep and Allergy, Department of Medicine, University of Nebraska School of Medicine, Omaha, NE, November 2015

“Inflamm-aging and the pulmonary inflammatory response.” The Gerontological Society of America, Orlando, FL, November 2015

“Aging, inflamm-aging and the pulmonary response to burn injury.” Symposium entitled “Elderly: Basic, translational, and clinical studies to improve outcome in the elderly,” Shock Society, Austin, TX, June 2016

“Inflamm-aging and the gut-liver-lung axis after injury.” Satellite symposium entitled “Aging and innate immunity.” 49th Annual Meeting of the Society for Leukocyte Biology. Verona Italy, September 2016

“Alcohol, burn injury and the gut-liver-lung axis.” Mucosal Inflammation Program, University of Colorado, Denver, September 2016

“Aging, inflamm-aging and the pulmonary response to injury: Role of the gut-liver axis.” MAVRC Program, Division of Infectious Diseases, Department of Medicine, University of Colorado Denver, October 2016

“Inflamm-aging and how advanced age alters the multi-organ response to burn injury.” Surgical Biology Dialogues Series, Department of Surgery, University of Colorado Denver, February 2017

“Alcohol intoxication and the pulmonary inflammatory response after injury” Symposium on Immunological Mechanisms. Gordon Conference on “Alcohol-Induced End Organ Diseases,” Ventura, CA, March 2017

“Aging, alcohol and immunity.” Lunch and Learn, Colorado State Capitol, Denver CO, April 2017.

“NIH 101: The NIH Review Process.” Faculty Seminar Series, Office of Research Development and Education, University of Colorado Denver, April 2017

“Inflamm-aging and the pulmonary response to injury: Role of the gut-liver axis.” IMAGE Research Group, Department of Medicine, University of Colorado Denver, April 2017

“Age and outcomes after injury: Pulmonary and systemic inflammatory responses.” Satellite symposium entitled “Aging of the immune system.” Rockville, MD, May 2017

“Aging alters macrophage responses in the lung.” Symposium on “Aging and innate immunity.” Annual meeting of the American Association of Immunologists, Washington DC, May 2017

“Alcohol intoxication and the pulmonary inflammatory response after injury: Role of the gut – liver axis.” Department of Anesthesiology, University of Colorado, Aurora, CO, October 2017

“Managing Up, Down and Across: Effective Strategies for Obtaining the Resources You Need” Keynote speaker, Women & Diversity Symposium, Society of Leukocyte Biology. Vancouver, BC, Canada, October 2017

“Alcohol intoxication and the pulmonary inflammatory response after injury: Role of the gut – liver axis.” Department of Cellular and Physiological Sciences, University of British Columbia, Vancouver, BC, Canada, October 2017

“Alcohol intoxication exacerbates the pulmonary inflammatory response after injury: Role of the gut – liver axis.” Department of Pathobiological Sciences, Louisiana State University, School of Veterinary Medicine, Baton Rouge, LA, November 2017

“Inflamm-aging and the pulmonary response to remote injury.” Feinstein Institute for Medical Research, Manhasset, NY, November 2017

“Inflamm-aging and the multi-organ system response to tissue injury.” Innovations in Wound Healing. North Bimini Island, Bahamas, December 2017

“Burn injury, inflamm-aging and the gut – lung axis.” Department of Surgery, Loyola University Chicago, March 2018

“Strategies and Tips for a Successful Scientific Presentation.” Scientific Advancement, IMAGE. Department of Medicine, University of Colorado Denver, Aurora, CO, March 2018

“Basic and translational elderly research.” Annual meeting of the American Burn Association, Chicago, IL, April 2018

“Aging and burn injury: Gut-liver-lung axis.” Surgical Biology Dialogues Series, Department of Surgery, University of Colorado Denver, May 2018

“Presidential Address: Mentors, Women-tors and Others Who have Helped and Hindered along the Road to my Shock Presidency” Shock Society, Scottsdale, AZ, June 2018

“Pulmonary responses after traumatic injury in the aged: Role of the GI Tract.” Annual meeting of the British Association for Lung Research, University of Birmingham, Birmingham, UK, September 2018

“Alcohol intoxication and multi-organ response to injury” Pharmaceutical Sciences, Regis University, Denver, CO, September 2018

“Inflamm-aging, microbiome and the multi-organ response to injury” Satellite on Aging, Mucosal Inflammation and Microbiome at the 2018 Society for Leukocyte Biology, Chandler, AZ, October 2018

“Inflamm-aging and dysbiosis of the fecal microbiome: Multi-organ system responses after burn trauma. Plenary session II entitled “Incorporating Microbiome Sciences into Your Thinking, Practice and Research. Shock Society, Coronado, CA, June 2019

“Multi-organ system response following burn injury: Complications in the Aged.” Burn and Shock Trauma Research Institute, Department of Surgery, Loyola University Chicago, August 2019

“Alcohol and thermal injury: A dangerous mix.” Department of Surgery, University of Colorado, Aurora, CO, September 2019.

“How your grant application is reviewed.” Grant Writing Workshop, Society for Black American Surgeons (SBAS), New York, NY, April 2019

 “Aberrant innate immunity responses after injury in the aged.” Workshop on Immune mechanisms of wound healing in the elderly. NIH, National Institute on Aging, Bethesda, MD, September 2019

“Alcohol intoxication and traumatic injury: the gut-liver-lung axis” Virginia Tech, Blacksburg, VA, September 2019

“Aging and fecal microbiome dysbiosis after burn injury.” Joint meeting of the European Shock Society and the International Federation of Shock Societies, Chania, Greece, October 2019

“Advanced Age, Burn Injury and the Gut - Lung Axis” in symposium on Changes in Tissue Immunity with Aging at the annual meeting of the Society for Leukocyte Biology, Boston, MA, November 2019

“Burns are more than skin deep: Systemic complications after burn injury and the gut – lung axis.” British Thoracic Society, Basic Science Keynote Speaker, London, England, December 2019

“Advanced age, injury and the gut-lung axis.” NIA symposium at American Association of Immunologists, Honolulu, HI, May 2020 (Canceled due to COVID19)

“Age changes in the microbiome after injury and innate immune responses.” Conference on “Immunity, Metabolism and Aging”, Modena, Italy, September, 2020 (Canceled due to COVID19)

“Advanced Age, Traumatic Injury and the Gut - Lung Axis”. Research in Progress, Pulmonary Sciences and Critical Care Medicine, National Jewish Health, February 2021.

“Alcohol intoxication and burn trauma: The gut-liver-lung axis.” VA Research Seminar Series. Rocky Mountain VA Medical Center, April 2021

“Factors that modulate the systemic response to burn injury in the aged” Keynote session on the effects of aging and environment on the skin barrier. Gordon Research Conference, Barrier Function of Mammalian Skin, Waterville Valley Resort, NH, August 2021 (Canceled due to COVID19)

“Best practices for job talks in academia: How to communicate your scientific value and future goals effectively.” Society for Leukocyte Biology, Committee for Members in Transition and Training Symposium for SCHOOL (Career Development and Hands-On Opportunity to Learn), June 2021

“Burns are more than skin deep: Aging, inflammation, and the gut - lung axis.” Graduate Program in Molecular Biology, University of Colorado Anschutz Medical Campus, September 2021

“Post-review and beyond: what happens next” Grant Review and Writing Workshop for Physician Scientists, Speaker, panelist and discussant. Society for Black American Surgeons (SBAS), September 2021 (Virtual because of COVID)

“Burns are more than skin deep: Systemic inflammation after injury in the aged involves the gut-lung axis.” Founder’s Basic Science Lecture, 51st Annual Meeting of the Western Trauma Association, Big Sky, MT, February 2022

“Novel model of aging and alcohol: The gut-lung axis, Aging and lung inflammation.” Summer Conference - From bench to breathing: The Ins and Outs of the Lungs – Cell science to saturations across the world. British Association for Lung Research, Liverpool, England, September 2022

“Burns are more than skin deep: Aging, inflammation and the gut-lung axis.” Department of Emergency Medicine, University of Vermont, Larner College of Medicine, Burlington, VT, October 2022

“The Shock Society.” Meeting of the Board of Directors of the Federation of American Societies for Experimental Biology (FASEB). Rockville, MD, December 2022

“Inflamm-aging and the gut - lung axis after burn trauma” Department of Anesthesiology, University of Colorado, Aurora, CO, January 2023

“Burns are more than skin deep: How inflamm-aging alters the gut-lung axis.” Invited speaker. Gordon Research Conference on Antimicrobial Peptides, Renaissance Tuscany Il Ciocco, Lucca, Italy, January 2023

“Inflamm-aging and the gut-lung axis after cutaneous burn injury.” Burn Multidisciplinary Seminar Series, MedStar Washington Hospital Center, Washington, DC. March 24, 2023

“Inflamm-aging, burn trauma, and the gut- lung axis.” NIA session on Mucosal Immunity, Microbiome and Aging, Annual meeting of the American Association of Immunologists, Washington, DC, May 2023

“Burns are more than skin deep: Inflamm-aging and the gut - lung axis.” Keynote speaker in session on the effects of aging and environment on the skin barrier. Gordon Research Conference, Barrier Function of Mammalian Skin, Waterville Valley Resort, NH, August 2023

“Aging and the gut-lung axis after burn injury.” Keynote speaker, Louisiana Annual Lung Conference, Baton Rouge, LA, September 2023

“NIH 101 and the great review process.” Grant writing workshop. Louisiana State University, Baton Rouge, LA, September 2023

“Inflamm-aging and the multi-organ responses after traumatic injury.” Visiting Professor, Department of Physiology, Louisiana State University Health Sciences Campus, New Orleans, LA, September 2023

“How your grant application is reviewed: NIH 101.” Comprehensive Alcohol Research Center, Louisiana State University Health Sciences Campus, New Orleans, LA, September 2023

“Inflammation, burn trauma and the gut-lung axis. Department of Surgery Research Seminar Series, University of Colorado, Aurora, CO, October 2023

“Inflammaging, burn injury and the gut-lung axis.” Symposium speaker “Immunological Response to Burn Injury: Time for and Update.” American Burn Association annual meeting, Chicago, IL, April 2024.

“Macrophages, Inflammation, and the Tissue Response to Injury.” Immunology Interest Group (IIG), Annual NIH/FDA-wide Immunology Workshop, University of the District of Columbia, Washington D.C. February 2025. Postponed due to early 2025 NIH conference/communication policy

“Reducining excessive inflammation after burn injury in aged mice by maintaining a healthier intestinal microbiome.” Invited speaker, session on Interventsions Inflammaging associated diseases and interventions. NCI/NIA/NIMH sponsored Inflammaging: Mechanisms, Markers, and Intervention Strategies workshop, Rockville, MD, June 2025

 “Inflamm-aging, Intoxication, and Injury: My Journey through Leukocyte Biology.” Legacy Award Address, Society for Leukocyte Biology, Vancouver, BC, Canada, October 2025