

Liron Caplan, MD, PhD

Rocky Mountain Regional Veterans Affairs Medical Center
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Aurora, CO 80045

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1775 Aurora Ct.
Aurora, CO 80045

Education:

1990-1994	University of Texas: Austin, Texas	B.A. , Plan II Honors Liberal Arts Program Concentrations: Pre-Medical /Comparative Religions
1995-1999	Baylor College of Medicine Houston, Texas	M.D.
1999-2002	Emory University Atlanta, Georgia	Certificate, Internal Medicine Internship/Residency
2002-2004	Washington University: St. Louis, Missouri	Certificate, Rheumatology Fellowship (Clinical)
2004-2005	Washington University: St. Louis, Missouri	Rheumatology Post-Doctoral Research Fellowship
2004-2005	St. Louis University: St. Louis, Missouri	School of Public Health (Epidemiology & Biostatistics)
2006-2010	University of Colorado Denver, Colorado	Graduate School Ph.D. , Health Services Research

Positions/Vocational Experience:

1994-1995	Research Assistant, Dept. of Cellular Biology, University of TX Medical School Houston, TX
1996	Teaching Assistant, Neuroscience Course, Baylor College of Medicine Houston, TX
1998-1999	Medical Apprentice, Infectious Disease Service, Baylor College of Medicine Houston, TX
2003-2005	Hospitalist, Gold Medical Service, Barnes-Jewish Hospital, St. Louis, MO
2005	Research Associate (WOC), John Cochran Veterans Affairs Medical Center St. Louis, MO
2005-present	Staff Physician, Rocky Mountain Regional (Denver) Veterans Affairs Medical Center, Denver, CO
2005-present	Staff Physician, University of Colorado Hospital, Denver, CO
2005-2012	Assistant Professor of Medicine/Rheumatology, Univ. of Colorado School of Medicine Denver, CO
2007-present	Volunteer Staff Physician, Denver Health Medical Center, Denver, CO
2011-present	Regular Faculty, Clinical Science Program, Univ. of Colorado Graduate School Denver, CO
2012-present	Associate Professor of Medicine/Rheumatology, Univ. of Colorado School of Medicine Denver, CO
2014-present	Section Chief, Rheumatology, Denver Veterans Affairs Medical Center, Denver, CO

Medical Licensure and Board Certification:

2002-2004	Georgia	#51445	(inactive)
2003-2005	Missouri	#2003017252	(inactive)

2005-present Colorado #43867

Other Experience and Professional Memberships:

1991	Internship, American Israel Public Affairs Committee, Washington D.C.
1998	Volunteer Research Assistant, Deptment of Cardiothoracic Surgery, Hadassah University Hospital, Jerusalem, Israel
2001-05, 2011	Member, American Medical Association
2002-present	Member, American College of Rheumatology
2002-2012	Diplomat, American Board of Internal Medicine, Certification in Internal Medicine
2005-present	Diplomat, American Board of Internal Medicine, Certification in Rheumatology
2006-2009	Physician Champion/Superuser (electronic health record implementation coordinator, Division of Rheumatology, University of Colorado Hospital, Denver, CO
2007	Invited participant, AHRQ DEcIDE Program Symposium: Observational Studies of Biologics and Other DMARDs for Comparative Effectiveness and Safety
2007-2008	Member, University Physicians, Inc. Electronic Medical Record Subcommittee
2007-2009	Member, Rocky Mountain Chapter Mission Delivery Committee, Arthritis Foundation
2007-2010	Consultant (paid), American College of Rheumatology Ad Hoc Committee on Glucocorticoid-Induced Osteoporosis
2007-2010	Member, American College of Rheumatology Quality Measures Subcommittee
2007-2013	Core Investigator, Colorado Research Enhancement Award Program to Improve Care Coordination for Veterans (CRICC), Denver, CO
2007-present	Site Principal Investigator, Veterans Affairs Rheumatoid Arthritis registry
2008-2010	Reviewer, American College of Rheumatology/Research and Education Foundation Awards and Grants Study Section (A) – Student Preceptorships
2008-2010	Core Investigator and founding member, Pharmaco-Epidemiology Collaborative of Colorado (PECoC)
2009-2010	Member, American College of Rheumatology Quality Measurement White Paper Development Workgroup
2009-2011	Member, American College of Rheumatology Rheumatoid Arthritis Clinical Disease Activity Measures Working Group
2008-present	Co-Coordinator, UC Denver Division of Rheumatology Medical Student Mentored Scholarly Activity and Resident research rotation (Subspecialty Research Coordinator)
2009-present	Site Principal Investigator, VA Program to Understand the Longterm Outcomes in SpondyloARthritis (PULSAR) registry
2010	Contributing Faculty, “Treating Osteoporosis in Male Veterans”—a VA-wide Distance Learning Broadcast Program in response to Office of Inspector General report.
2010-2012	Member, American College of Rheumatology Quality of Care Committee
2010-2012	Quality of Care Committee Liaison, American College of Rheumatology Committee on Registries and Health Information Technology
2010-2012	Member and Moderator of Expert Panel, American College of Rheumatology Glucocorticoid-Induced Osteoporosis Quality Measures Working Group
2010-present	Executive Committee Member, Program to Understand the Longterm Outcomes in SpondyloARthritis (PULSAR) registry
2011-present	Participating Faculty Member, NIAMS T32 AR007534, V.M Holers (PI)/K. Kuhn (PI)
2011-2013	Reviewer, American College of Rheumatology/Research and Education Foundation Awards and Grants Study Section (B) – Fellowship Training
2011-2013	Affiliate Member, SPondyloArthritis Research and Treatment Network (SPARTAN) Program of the Spondylitis Association of America
2011-2015	Volunteer, Channel 9 Health Fair
2011-2015	University of Colorado Department of Medicine Quality Improvement and Patient Safety (QI/PS) Advisory Group

2012	Moderator of Expert Panel, American College of Rheumatology Rheumatoid Arthritis Quality Measures Working Group
2012-2015	Core Committee Member and Systematic Literature Review Lead, Am. Coll. of Rheum./SPARTAN/SAA Ankylosing Spondylitis and Axial Spondyloarthritis Treatment Guidelines Working Group
2012-2014	University of Colorado School of Medicine Physician Scientist Training Program Interview Committee
2013	Reviewer, Denver Research Institute (DRI) Pilot Grant Program study section
2013-2022	Founding Member of the Board of Directors, SPondyloArthritis Research and Treatment Network (SPARTAN, California Nonprofit Public Benefit Corporation)
2013-present	Core Investigator, VA Denver-Seattle Center for Innovation for Veteran-centered, Value-driven CaRe (DiSCoVVeR); Research Review Committee Member
2014-present	Member, Group for the Research and Assessment of Psoriasis and Psoriatic Arthritis (GRAPPA)
2014-2019	Member, Research and Development Committee, Veterans Affairs Eastern Colorado Health Care System
2014-2016	Secretary, SPondyloArthritis Research and Treatment Network (SPARTAN)
2014-2017	Chair, SPondyloArthritis Research and Treatment Network (SPARTAN) Communications Committee
2014-2017	Member, U.S. Food and Drug Administration (FDA) Arthritis Advisory Committee (Acting chairperson, 2/8/16 meeting)
2014-present	Founder and Director, Rocky Mountain Regional VAMC Spondyloarthritis Clinic
2014-present	Member, Assessment of SpondyloArthritis international Society (ASAS)
2015-2021	Associate Division Head for Research, UC Denver Division of Rheumatology
2015-present	Founder and Director, University of Colorado Program to Advance Spondyloarthritis Treatment (U.C.PAST)
2016-2017	Participant, UC Denver Dept. of Medicine DOM Senior Leadership Development (Intentional Leadership) program
2016-2018	Vice-Chair and Chair-Elect, SPondyloArthritis Research and Treatment Network (SPARTAN)
2016-present	Member, Arthritis Foundation Colorado Medical and Scientific Committee
2016-2019	Chairperson, American College of Rheumatology Guidelines Subcommittee; Member, American College of Rheumatology Quality of Care Committee
2017-2020	Special Government Employee, U.S. Food and Drug Administration (FDA) Arthritis Advisory Committee, (4/23/18 meeting)
2017-2018	Chair, SPondyloArthritis Research and Treatment Network (SPARTAN) Registry Committee
2017-2019	Core Committee Member and Systematic Literature Review Lead, Am. Coll. of Rheum./SPARTAN/SAA Ankylosing Spondylitis and Axial Spondyloarthritis Treatment Guidelines Revision Working Group
2018-2020	Chair, SPondyloArthritis Research and Treatment Network (SPARTAN)
2018-present	Member, Medical and Scientific Advisory Board, Spondylitis Association of America
2019-present	National Co-Lead, Rheumatology Implementation Task Force, VA Cerner Electronic Medical Record
2019-2020	Member, VA HSR&D Pilot Program Task Force
2020-2022	Immediate Past Chair, SPondyloArthritis Research and Treatment Network (SPARTAN)
2020-present	Member, VA Eastern Colorado Graduate Medical Education Subcommittee
2020-2021	Member, VA Eastern Colorado Pharmacy & Therapeutics Committee
2020-present	Member, Studies of the Etiology of Rheumatoid Arthritis (SERA) Observational Study Monitoring Board
2021-present	Associate Division Head for Research Education, UC SOM Division of Rheumatology

2021-2022	Voting Panel Member, American College of Rheumatology Ad Hoc Committee on Glucocorticoid-Induced Osteoporosis
2021	Reviewer, University of Colorado School of Medicine Research Track Medical Student Grants
2022-present	Veteran Integrated Service Network (VISN) 19 Rheumatology Lead, Specialty Care Integrated Clinical Community (ICC) Committee

Journal Reviewer/Editor

2006-present	Ad hoc reviewer, <i>Arthritis and Rheumatism</i>
2006-present	Ad hoc reviewer, <i>Journal of Rheumatology</i>
2008-present	Ad hoc reviewer, <i>Arthritis Care and Research</i>
2011-present	Ad hoc reviewer, <i>Pharmacoepidemiology and Drug Safety</i>
2013-present	Ad hoc reviewer, <i>Post Graduate Medicine</i>
2014-present	Ad hoc reviewer, <i>Mayo Clinic Proceedings</i>
2015-present	Ad hoc reviewer, <i>Journal of the American Medical Association (JAMA)</i>
2015-present	Ad hoc reviewer, <i>Arthritis, Research & Therapy</i>
2017-present	Volume editor, <i>Rheumatic Disease Clinics (Elsevier Inc.)</i>
2017-present	Ad hoc reviewer, <i>Rheumatology International</i>

Scientific Meeting Planning and Moderating:

2011-present	Primary organizer, PULSAR Annual Investigators Meeting
2012	Session moderator, Am. Coll of Rheum. Annual Scientific Meeting, Epidemiology and Health Services Research I: Epidemiology and Outcomes in Rheumatic Disease
2013	Reviewer, American College of Rheumatology Annual Scientific Meeting Abstract Committee, Epidemiology/Health Services Research section (Mikuls)
2013	Session moderator, Am. Coll of Rheum. Annual Scientific Meeting, Epi. and Health Services Research II: Healthcare Costs and Mortality in Rheumatic Disease
2014-2017	Reviewer, American College of Rheumatology Annual Scientific Meeting Abstract Committee, Spondyloarthritis & Psoriatic Arthritis Clinical Aspects & Treatment (Deodhar 2014-2016, Haroon 2017, [skipped 2018])
2015, 2016	Primary organizer (Host), SPondyloArthritis Research and Treatment Network (SPARTAN) Annual Research and Educational Meeting, Denver, CO
2015	Session moderator, Am. Coll of Rheum. Annual Scientific Meeting, Spondyloarthritis Study Group, Mon 11/9/15, 1-2 pm (Gensler)
2015	Moderator, American College of Rheumatology Axial Spondyloarthritis Guideline Process Working Group, ACR Annual Scientific Meeting
2016	Session moderator, Am. Coll of Rheum. Annual Scientific Meeting, Spondylarthropathies and Psoriatic Arthritis – Clinical Aspects and Treatment III: Axial Spondyloarthritis – Clinical, Mon 11/14/16, 2:30-4pm
2016	Session moderator, Am. Coll of Rheum. Annual Scientific Meeting, Spondyloarthritis Study Group, Tues 11/15/16, 1-2 pm (Gensler)
2017, 2018	Reviewer, Abstract committee, SPondyloArthritis Research and Treatment Network (SPARTAN) Annual Research and Educational Meeting
2019	Session moderator, Am. Coll of Rheum. Annual Scientific Meeting, State of the Art. SpA or No SpA?: What to do when the X-rays are Negative, Mon 11/11/19, 7:30 am (Désirée van der Heijde, speaker)
2019	Ad-hoc Reviewer, Am. Coll of Rheum. Annual Scientific Meeting, Abstract Committee, Rheumatoid Arthritis – Diagnosis, Manifestations, and Outcomes (Assassi)
2022	Session moderator, SPondyloArthritis Research and Treatment Network Annual Research and Educational Meeting, SPARTAN Referral Recommendations.

- 2023 Session moderator, SPondyloArthritis Research and Treatment Network Annual Research and Educational Meeting, Debate: A Disparity in response to therapeutics has been observed in males and females in clinical trials – is this a biologic difference or not?
- 202X Conference co-Chair, Precision Medicine in Autoimmunity. Aurora, CO, Mar. XX-XX, 2021. [delayed due to COVID]

Teaching (formal courses/ward teaching):

- 2003-2004 Guest lecturer, *Introduction to Epidemiology*. Molecular Mechanisms of Immunologic Diseases PhD Course [BIO 5261], Washington University School of Medicine. St. Louis, Missouri (Sep. 4, 2003, Sep. 7 2004).
- 2005-present Precepting Attending Physician, Veterans Affairs Rheumatology Teaching Clinic (medical students, residents, fellows) and Inpatient Rheumatology Service (fellows), Denver VAMC
- 2005-2014 Precepting Attending Physician, University of Colorado Hospital Rheumatology Teaching Clinic (residents)
- 2005-present Precepting Attending Physician, University of Colorado Hospital Inpatient service (fellows)
- 2005-present Lecturer/Group Leader, Rheumatology/Hematology pathophysiology course (1st/2nd year medical school), University of Colorado School of Medicine.
- 2006-present Co-Coordinator, Division of Rheumatology Mentored Scholarly Activity Project
- 2009-present Guest lecturer, *Pharmacovigilance and Data Mining*, Pharmacoepidemiology [PHSC 7615, PHRD 7615, EPID 7615], University of Colorado School of Pharmacy. (Nov. 10, 2009; Nov. 8, 2011, Mar. 24, & Apr. 21, 2015, Apr. 2017, Mar 24, 2020 [delivered via Zoom due to SARS-COV-2 pandemic], Apr. 4, 2023)
- 2010-2012 Guest lecturer, *Rheumatoid arthritis and Cost Effectiveness Research*. Pharmacoeconomics [PHRD 7400], University of Colorado School of Pharmacy. (Oct. 25, 2010; Sept. 12, 2011, Sept. 10, 2012)
- 2010-present Precepting Attending Physician, *Foundations in Doctoring*. University of Colorado Hospital Teaching Clinic (Medical Student II)
- 2014-present Guest lecturer, *Significance section*. Grantwriting [CLSC 7101/7102], University of Colorado Graduate School. (Feb. 28, 2014, Apr. 17, 2015, Oct. 7, 2016, Oct. 6, 2017)
- 2014-present Precepting Attending Physician, Veterans Affairs Spondyloarthritis clinic (fellows), Denver VAMC
- 2015 Precepting Attending Physician, Veterans Affairs Internal Medicine Inpatient Service (medical students, residents), Denver VAMC

Refereed Theses/Dissertations (Institutions/Degree Candidates available upon request)

2018-12-19 Univ of Tasmania

<u>Research Mentorship:</u>	<u>Position at the time of research</u>	<u>Dates</u>	<u>Productivity†</u>
<u>Undergraduates:</u>			
Andrea Dreskin		Summer 2006, 2007	-
Alison Collier		Summer 2006, 2009	A
Thomas B. Higgins		Summer 2006	-
Emerson Easley		Summer 2006, 2007	-
Mia Gregory		Summer 2007	-
Alyse Mann		Mar. 2008-July 2015	A (x5),M(x3)*
Ofer Barniv	Post Bac	Feb. 2010-Aug. 2012	A*

Sushmitha Bobba		Sept. 2011-Dec. 2013	A(x5), M
Steve (Phat) Luong		Oct. 2011-Mar. 2016	A(x7), M(x2)
Hannah Dischinger	Post Bac	Jul 2012-Aug 2015	A(x3), M(x2)*
Elizabeth Cheng		Feb 2013-present	A(x3), M(x2)
Mena Hashim		Jun 2014-Dec 2017	A(x5), M
Ryan Duong		Aug 2015-May 2018	A(x3), M
Preston Le	BS-BA/MD	Jan 2017-present	M
Stephanie Qi	BS-BA/MD	Jan 2017-present	M
Kavya Ganuthula	BS-BA/MD	Jan 2018-present	
Theodoros Ibrahim	BS-BA/MD	Aug 2020-May 2022	
Edith Huizar	BS-BA/MD	Aug 2020-present	M
<u>Graduate Students:</u>			
Anna Tran	PharmD	Summer 2007	-
Lisa A. Davis	MSCS	June 2009-July 2012	A
Neha Ohri	MSCS	June 2015-July 2016	A
Alyse Mann	BSN	July 2015-Mar. 2017	
Steve (Phat) Luong	MS, Biomed. Sci	Jun. 2016-Dec. 2017	
Adam Lefferts ^	PhD, Immunol.	July 2017-present	A
<u>Medical Students:</u>			
Molly M. Larson	MS1-2, MSA	Apr. 2008-Sept. 2009	A(x2), M
Alyssa M. Nash	MS1-2, MSA	June 2009-July 2009	A(x2), F, M
Brooke E. Polk	MS3-4, MSA	Mar. 2010-Sept. 2011	A(x2), M
Derek Nhan	MS1-4 (RT)	Sept. 2014-Jun. 2016	A, F(x2), M
Darren Lynn	MS1	Jan. 2016-Jun. 2016	A (x2), M
Jessica Farahi	MS4 (Rsrch Yr)	Jan. 2016-Jun. 2016	A (x2), M
Evan Manning	MS1-4 (RT)	June 2016-Jun. 2018	A (x2), M
Sophia Wolfe	MS1-4 (RT)	June 2019-present	<u>F, A</u>
Emmeline Kim	MS1-4 (RT)	Jan. 2020-present	A, F
Kseniya Anishchenko	MS1-4 (RT)	Jan. 2020-present	A (x2), F, R
Preston Le	MS1-4 (RT)	Jan. 2021-present	F
<u>Residents:</u>			
Lela Mansoori	PGY2	Sept. 2006	A
Lisa A. Davis	PGY2	Jan. 2007-Feb. 2007	A
Kevin Osgood	PGY3	Feb. 2007	A
Itziar Quinzanos	PGY2	Aug. 2008-Sept. 2008	A
Greg Barron	PGY2-3	Apr. 2014-Aug. 2014	A(x2)
Eric Anderson	PGY1-3	May 2017-Jun. 2019	M
Courtney Stull	PGY1-3	May 2017-Jun. 2019	M
Corwin McGee	PGY2-3	Nov 2018-present	
<u>Fellows/Post-Doctoral</u>			
Lisa A. Davis	PGY4-8 (AT)	July 2008-June 2012	A(x7),F(x3),M(x5),R
Itziar Quinzanos	PGY4-6 (AT)	July 2012-June 2015	A(x8), F, M(x3), R
Neha Ohri ^	PGY5	July 2014-June 2016	A(x4), M
Patrick Wood	PGY4-6 (AT)	Nov. 2015-June 2018	A(x3),F,M(x4), R
Greg Barron	PGY5	July 2016-June 2017	A
Sara Dill	PGY4-6 (AT)	July 2017-Jun. 2020	A,M
Kyle Maier	PGY4-5	July 2017-Jun. 2019	A
Emilie Regner (GI) ^	PGY5-6 (AT)	July 2017-Jun. 2019	A(x2), M
Adam Berlinberg ^	PGY5-6 (AT)	Nov 2018-Jun. 2021	
Rouhin Sen	PGY5-6 (AT)	July 2019-present	A(x2), F, M
<u>Faculty</u>			
Joel Hirsh, MD	Asst. Professor	Mar. 2008-Jan. 2014	A(x11), F, M(x4)

CT Lin, MD	Assoc. Professor	Oct. 2010-Dec. 2012	A, F, M
Maureen Dubreuil^ MD	Instruct/Asst. Prof	Jan. 2014-present	A(x4), F, M(x3)
Sri Raghavan MD/PhD	Instruct/Asst. Prof	Aug. 2016-present	A, F (x2), M(x2)
Ruth J. Napier^ PhD	Instruct/Asst. Prof	Oct 2018-present	A, F (x3)
Isaac T. Harley	Instruct/Asst. Prof	Oct 2020-present	

† trainee's project resulted in: abstract (A), funding/grant (F), manuscript (M), or recognition/award (R)

^ Dr. Caplan served as secondary mentor for these trainees (served as primary mentor if not otherwise stated)

MSA = School of Medicine Mentored Scholarly Activity; RT = School of Medicine Research Track;

AT = Fellowship Academic Track

Research Training (non-degree):

Research Assistant

University of Texas Medical School at Houston, Dept. of Cellular Biology, **5/94-3/95**.

Performed benchwork analyzing the effect of various diets on the immune function of the gastrointestinal mucosa (experimented with radiation-induced trauma in a rat model). Conducted independent project: refining a protocol for assessing chemotaxis.

Research Assistant

Hadassah University Hospital in Jerusalem, Dept. of Cardiothoracic Surgery, **7/98-8/98**.

Performed clinical research including: conducting literature reviews, assisting surgeons in operating room, and extensively editing journal articles.

Post-Doctoral Fellow

Washington University School of Medicine, Division of Rheumatology, **7/03-10/05**.

Performed benchwork characterizing the adaptor protein SH2D1A--a novel target in murine models of systemic autoimmunity (lupus). Performed epidemiologic research assessing the adverse outcomes associated with various treatments for rheumatoid arthritis.

Clinical Faculty Scholar

University of Colorado, Colorado Health Outcomes, **7/06-6/08**

Investigating pharmaco-epidemiologic aspects of glucocorticoid use.

Honors and Awards:

University of Texas Freshman Academic Scholarship

University of Texas Sophomore Academic Scholarship

Allan Saxe Pre-Medical Scholarship

Isadore Garsek Scholastic/Service Award and Scholarship

Morti Levinson Scholastic Award and Scholarship

Four-Time College Scholar, Dean of Liberal Arts, 1990-94

Magna Cum Laude Scholar (with High Honors), College of Liberal Arts, 1994

Hillel Foundation, Outstanding Service Award (2 years) and Outstanding Senior Award

Member of Phi Beta Kappa Honor Society, Alpha of Texas Chapter, 1994

American College of Rheumatology REF Fellowship Training Award, 2002

NYU Advanced Seminar in Rheumatology Travel Award Scholarship, 2004

American College of Rheumatology, Fellow Award, 2004

University of Colorado Graduate School, Outstanding Ph.D. Student in Health Services Research, 2007

American College of Rheumatology, Rheumatology Research Workshop Travel Award, 2008

Nominee, University of Colorado Graduate School, Outstanding Dissertation Award, 2010

Veterans Affairs Eastern Colorado Health Care System Directors Special Contribution Award, 2010

Foundations in Doctoring Course, Golden Stethoscope Teaching Award, Best Physical Exam Preceptor 2011

Housestaff Association Annual Survey, nominated for outstanding service or education, 2011

ACR Early Career Investigator Delegate, ACR/EULAR International Academic Rheumatology Exchange, 2012-2013

5280 Magazine's Top Doctors, Rheumatology, 2021

Veterans Affairs Eastern Colorado Health Care System BRAVO Award, 2021 (Medical Center Director)

Journal Publications (Peer Reviewed): Underlining indicates first or senior author publications.

<http://www.ncbi.nlm.nih.gov/sites/myncbi/1V1W7hjLp975z/bibliography/47166055/public/?sort=date&direction=ascending>

Scopus h-index: 32 (2022-05-1)

1. Elami A, **Caplan L**, Rudis E. How do you spell 21 mm? Eur J Cardiothorac Surg 1999;16(2):253-254. PMID: 10485433
2. Hron J, **Caplan L (Co-first author)**, Gerth A, Schwartzberg P, Peng S. SH2D1A regulates T-dependent humoral autoimmunity. J Exp Med 2004;200(2):261-266. PMID: 15263031
3. Wolfe F, **Caplan L**, Michaud K. Treatment for rheumatoid arthritis and the risk of hospitalization for pneumonia: associations with prednisone, disease modifying antirheumatic drugs and anti-tumor necrosis factor therapy. Arthritis Rheum 2006; 54(2):628-634. PMID: 16447241
4. Wolfe F, **Caplan L**, Michaud K. Rheumatoid arthritis treatment and the risk of severe interstitial lung disease. Scand J Rheum 2007; 36(3):172-178. PMID: 17657669
5. **Caplan L**, Wolfe F, Russell, Michaud K. Corticosteroid use in rheumatoid arthritis: prevalence, predictors, correlates and outcomes. J Rheumatol 2007; 34:696-705. PMID: 17299838
6. **Caplan L**, Hoffecker L, Prochazka AV. Ethics in the rheumatology literature: a systematic review. Arthritis Rheum [Arthritis Care and Research] 2008; 59(6):816-821. PMID: 18512718
7. **Caplan L**, Saag KG. Glucocorticoids and the Risk of Osteoporosis. Expert Opin Drug Saf 2009; 8(1):33-47. PMID: 19236216
8. McDonald JR, Zeringue AL, **Caplan L**, Ranganathan P, Xian H, Burroughs TE, Fraser VJ, Cunningham F, Eisen SA. Herpes zoster risk and risk factors in a national cohort of veterans with rheumatoid arthritis. Clin Infect Dis. 2009 May 15;48(10):1364-71. PMID: 19368499
9. Scherrer JF, Virgo KS, Zeringue A, Bucholz KK, Jacob T, Johnson RG, True WR, Carney RM, Freedland KE, Xian H, **Caplan L**, McDonald J, Eisen SA. Depression increases risk of incident myocardial infarction among Veterans Administration patients with rheumatoid arthritis. Gen Hosp Psychiatry. 2009 Jul-Aug;31(4):353-9. PMID: 19555796
10. Michaud K, Mikuls TR, Call SE, Reimold AM, Hooker R, Kerr GS, Richards JS, **Caplan L**, Cannon GW. Poor to modest agreement between rheumatoid arthritis response measures in clinical practice. Clin Exp Rheumatol 2009 Jul-Aug;27(4):633-40. PMID: 19772796
11. Richards JS, Peng J, Mikuls TR, Amdur RL, Hooker RS, Michaud K, Reimold AM, Cannon GW, **Caplan L**, Johnson D, Hines AE, Kerr GS. Dual energy x-ray absorptiometry and evaluation of the Osteoporosis Self Assessment Tool in men with rheumatoid arthritis. J Clin Densitom 2009;12(4):434-440. PMID: 19775920
12. **Caplan L**, Pittman CB, Zeringue AL, Scherrer JF, Wehmeier KR, Cunningham FE, Eisen SA, McDonald JR. Musculoskeletal pain among patients on bisphosphonates: a possible adverse drug reaction. Mayo Clin Proc. 2010 Apr;85(4):341-8. PMID: 20231335
13. Hirsh JM, Boyle DJ, Collier DH, Oxenfeld A, **Caplan L**. Health literacy predicts the discrepancy between patient and provider global assessments of rheumatoid arthritis activity at a public urban rheumatology clinic. J Rheumatol. 2010 May;37(5):961-6. PMID: 20231210
14. Miriovsky BJ, Michaud K, Thiele GM, O'Dell JR, Cannon GW, Kerr GS, Richards JS, Johnson D, **Caplan L**, Reimold AM, Hooker RS, Mikuls TR. Anti-CCP antibody and rheumatoid factor concentrations predict greater disease activity in men with rheumatoid arthritis. Ann Rheum Dis. 2010 Jul;69(7):1292-7. PMID: 20439294
15. **Caplan L**, Hines AE, Williams E, Prochazka AV, Saag KG, Cunningham F, Hutt E. An observational study of glucocorticoid induced osteoporosis prophylaxis in a national cohort of male veterans with rheumatoid arthritis. Osteoporos Int. 2011 Jan;22(1):305-15. Epub 2010 Apr 1. PMID: 20358362

16. Davis LA, Larson MM, **Caplan L**. Observational study to determine predictors of rheumatology clinic visit provider contact time. *Arthritis Care and Research* 2010 Nov;62(11):1650-4. PMID: 20583104
17. Mikuls TR, Fay BT, Michaud K, Sayles H, Thiele GM, **Caplan L**, Johnson D, Richards JS, Kerr GS, Cannon GW, Reimold A. Associations of disease activity and treatments with mortality in men with rheumatoid arthritis: results from the VARA registry. *Rheumatology (Oxford)*. 2011 Jan;50(1):101-9. Epub 2010 Jul 21. PMID: 20659916
18. Kerr GS, Sabahi I, Richards JS, **Caplan L**, Cannon GW, Reimold A, Thiele GM, Johnson D, Mikuls TR. Prevalence of vitamin D insufficiency/deficiency in rheumatoid arthritis and associations with disease severity and activity. *J Rheumatol*. 2011 Jan;38(1):53-9. Epub 2010 Oct 15. PMID: 20952475
19. Grossman JM, Gordon R, Ranganath VK, Deal C, **Caplan L**, Chen W, Curtis JR, Furst DE, McMahon M, Patkar NM, Volkman E, Saag KG. American College of Rheumatology 2010 recommendations for the prevention and treatment of glucocorticoid-induced osteoporosis. *Arthritis Care and Research* 2010 Nov;62(11):1515-26. PMID: 20662044
20. Saag KG, Yazdany J, Alexander C, **Caplan L**, Coblyn J, Parekh Desai S, Harrington T, Liu J, McNiff K, Newman E, Olson R. Defining quality of care in rheumatology: the American College of Rheumatology white paper on quality measurement. *Arthritis Care Res (Hoboken)*. 2011 Jan;63(1):2-9. PMID: 20945349
21. Mikuls TR, Gould KA, Bynote KK, Yu F, LeVan TD, Thiele GM, Michaud KD, O'Dell JR, Reimold AM, Hooker R, **Caplan L**, Johnson DS, Kerr G, Richards JS, Cannon GW, Criswell LA, Noble JA, Bridges SL, Hughes L, Gregersen PK. Anti-citrullinated protein antibody (ACPA) in rheumatoid arthritis: influence of an interaction between HLA-DRB1 shared epitope and a deletion polymorphism in glutathione s-transferase in a cross-sectional study. *Arthritis Research & Therapy* 2010 Nov 18;12(6):R213. PMID: 21087494
22. Lane MA, McDonald JR, Zeringue AL, **Caplan L**, Curtis JR, Ranganathan P, Eisen SA. TNF-alpha antagonist use and risk of hospitalization for infection in a national cohort of veterans with rheumatoid arthritis. *Medicine* 2011 Mar;90(2):139-45. PMID: 21358439
23. Amari W, Zeringue AL, McDonald JR, **Caplan L**, Eisen SA, Ranganathan P. Risk of non-melanoma skin cancer in a national cohort of veterans with rheumatoid arthritis. *Rheumatology (Oxford)*. 2011 Aug;50(8):1431-9. Epub 2011 Mar 16. PMID: 21415022
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Journal Publications (Submitted)

107. Humphrey MB, Russell L, Danila MI, Fink H, Guyatt GH, Cannon M, **Caplan L**, Gore S, Grossman J, Hansen K, Lane NE, Ma NS, Magrey M, McAlindon T, Robinson A, Saha S, Womack C, Abdulhadi B, Charles JF, Cheah J, Chou S, Goyal I, Haseltine K, Jackson L, Mirza R, Moledina I, Punni E, Rinden T, Turgunbaev M, Wysham K, Turner A, Uhl S. 2022 American College of Rheumatology guideline for the prevention and treatment of glucocorticoid-induced osteoporosis. (submitted)

108. Dill S, Cheng E, Brees K, Carpenter J, Caplan AM, Caplan L. Mechanical and temperature stress during biologic shipments to patients. *Int'l J of Pharmaceutics*
109. Wolfe SM, Cheng E, Ganuthula K, Fang MA, Kerr G, Walsh JA, Chang E, Raychaudhuri S, Brees K, Dellavalle RP, Reimold A, **Caplan L**. Persistence and discontinuation of tumor necrosis factor inhibitors in United States veterans with psoriasis and psoriatic arthritis.
110. Manning ES, Anderson ER, Maier KD, Hashim M, Duong R, Hou, J, Kaushik P, Chang E, Walsh J, Kerr GS, Raychadhuri S, Reimold A, Dubreuil M, **Caplan L**. Addition of oblique radiographs in the evaluation of sacroiliitis. (Submitted).
111. Rosenzweig HL, Vance EE, Asare-Konadu K, Koney K, Lee EJ, Deodhar A, Sen R, **Caplan L**, Napier RJ. Card9 promotes pathogenic neutrophil responses that induce Th17-mediated autoimmune arthritis and spondylitis (submitted).
112. Le P, Qi S, Luong S, **Caplan L**. Prevalence of common outcomes from randomized controlled trials. 2021 (submitted).

Journal Publications (In Preparation):

113. Sen R, Ganuthula K, Cheng E, Strickland C, **Caplan L**. Change in sacroiliac MRI scores in randomized controlled trials of interleukin-17, jak-stat, and tumor necrosis factor inhibitors for axial spondyloarthritis: a meta-analysis.
114. Wood P, Barron G, Bledsoe C, Dischinger H, Mann A, Luong P, Quinzanos I, Hirsh, J, **Caplan L**, Davis LA. Acceptability of various technology-based communication modalities in academic rheumatology clinics. (Submitted)
115. Barron G, Quinzanos I, Cheng E, Luong S, Davis LA, **Caplan L**. Change and Predictors in time-to-diagnosis of ankylosing spondylitis / axial spondyloarthritis and psoriatic arthritis over the past five decades.
116. Nhan D, Quinzanos I, Kerr GS, Walsh JA, Reimold A, Richards JS, Majithia V, Clegg DO, Chang E, Kaushik P, Dubreuil M, **Caplan L**. Fatigue in spondyloarthritis: a cross-sectional study. (Submitted)

Abstracts:

1. **Caplan L**, Michaud K, Wolfe F. Prednisone Use and the Risk of Cataract Formation in Persons with Rheumatoid Arthritis [Abstract] *Arthritis and Rheum* 2004;50 (Suppl):S9.
2. Wolfe F, Michaud K, **Caplan L**, Kamen D, Furst DE, Russell AS. Corticosteroid Therapy is Associated with Serious Side Effects Over a Broad Spectrum of Outcomes: Results from a Large Longitudinal Study. [Abstract] *Arthritis and Rheum* 2004;50 (Suppl):S9.
3. Ranganathan P, McDonald JR, Zeringue A, Xian H. Cunningham F **Caplan L**, Eisen S. Tuberculosis (TB) among patients on biologic disease-modifying anti-rheumatic drugs (DMARDs): The impact of screening. *Infectious Diseases Society of America Annual Meeting*, Oct. 4-7, 2007.
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7. Cannon GW, Michaud KD, Call SE, Reimold AM, Hooker R, Kerr GS, Richards JS, **Caplan L**, Johnson DS, Mikuls TE. Discrepancies in Rheumatoid Arthritis Response Measures In Clinical Practice: Comparison of Difference in EULAR, ACR20, and Real Time Assessment of Disease

- Activity in Rheumatoid Arthritis (RADARA). American College of Rheumatology 72nd Annual Scientific Meeting, San Francisco, CA, October 24-29, 2008.
8. Mikuls TR, Michaud K, Thiele GM, O'Dell JR, Cannella AC, Reimold A, Hooker R, **Caplan L**, Johnson D, Cannon GW, Kerr G, Richards JS. The association of cigarette smoking with disease expression in U.S. veterans with rheumatoid arthritis. American College of Rheumatology 72nd Annual Scientific Meeting, San Francisco, CA, October 24-29, 2008.
 9. Mikuls TR, Michaud K, Thiele GM, O'Dell JR, Cannella AC, Reimold A, Hooker R, **Caplan L**, Johnson D, Richards JS, Kerr G, Cannon GW. Autoantibody status in U.S. veterans with rheumatoid arthritis: implications of discordance between anti-CCP antibody and rheumatoid factor. American College of Rheumatology 72nd Annual Scientific Meeting, San Francisco, CA, October 24-29, 2008.
 10. Hooker RS, Prescott K, Cipher D, Wauson M, Mikuls T, Kerr G, Richards SJ, Cannon G, **Caplan L**, Hines A, Johnson D, Reimold A. Fit for Study: Eligibility of Veterans with Rheumatoid Arthritis in Major Clinical Trials of Biological Therapies. American College of Rheumatology 72nd Annual Scientific Meeting, San Francisco, CA, October 24-29, 2008.
 11. **Caplan L**, Pittman CB, Zeringue A, Scherrer JF, Cunningham FE, Eisen SA, McDonald JR. Musculoskeletal pain among patients on bisphosphonates: a possible adverse drug reaction. American College of Rheumatology 72nd Annual Scientific Meeting, San Francisco, CA, October 24-29, 2008.
 12. Mirivsky BJ, Michaud K, Thiele G, O'Dell J, Cannon G, Kerr G, Richards J, Johnson D, **Caplan L**, Reimold A, Hooker R, Mikuls TR. Associations of anti-CCP and RF with clinical remission in us veterans with established RA [AB0114]. Annual European Congress of Rheumatology, Copenhagen, Denmark, June 10-13, 2009. *Ann Rheum Dis* 2009;68(Suppl3):733.
 13. McDonald JR, Pittman C, Zeringue AL, Eisen SA, Cunningham F, Wehmeier K, **Caplan L**. Atrial fibrillation in US veteran fracture patients treated with bisphosphonates. International Conference on Pharmacoepidemiology and Therapeutic Risk Management (ICPE), Providence, RI, August 16-19, 2009.
 14. Lane MA, McDonald JR, Zeringue AL, **Caplan L**, Ranganathan P, Eisen SA. Hospitalization for infection in a national cohort of veterans with rheumatoid arthritis. Infectious Diseases Society of America, Philadelphia, PA, October 29th-November 1st, 2009. *Arthritis Rheum* 2009;60 (Suppl 10).
 15. McDonald JR, Zeringue AL, Balasubramanian S, **Caplan L**, Lane MA, Ranganathan P, Eisen SA. Effect of prednisone dose on herpes zoster risk. Infectious Diseases Society of America, Philadelphia, PA, October 29th-November 1st, 2009. *Arthritis Rheum* 2009;60 (Suppl 10).
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 22. Miriovsky BJ, Michaud KD, Thiele GM, O'Dell JR, Cannon GW, Kerr GS, Richards JS, Johnson DS, **Caplan L**, Reimold AM, Hooker RS, Mikuls TR. Associations of anti-CCP and rheumatoid factor concentrations with future disease activity in rheumatoid arthritis. American College of Rheumatology 73rd Annual Scientific Meeting, Philadelphia, PA, October 16-21, 2009. *Arthritis Rheum* 2009;60 (Suppl 10).
 23. Mikuls TR, Gould KA, Bynote KK, Yu F, LeVan TD, Thiele GM, Michaud KD, O'Dell JR, Reimold AM, Hooker RS, **Caplan L**, Johnson DS, Kerr GS, Richards JS, Criswell LA, Gregersen PK, Cannon GW. GSTM1, HLA-DBR1, and smoking interactions suggest a role for oxidative stress in the pathogenesis of APCA-positive rheumatoid arthritis. American College of Rheumatology 73rd Annual Scientific Meeting, Philadelphia, PA, October 16-21, 2009. *Arthritis Rheum* 2009;60 (Suppl 10).
 24. Davis LA, Larson MM, **Caplan L**. Observational study to determine predictors of rheumatology clinic visit provider face time. University of Colorado Student Research Forum, Aurora, CO, December 15, 2009. *Arthritis Rheum* 2009;60 (Suppl 10).
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 26. Lane MA, Zeringue AL, Balasubramanian S, **Caplan L**, Ranganathan P, Eisen SA, McDonald JR. Prednisone dose and Risk of Hospitalization for Infection. Infectious Diseases Society of America, Vancouver, PA, October 21th—24th, 2010.
 27. Davis LA, Cannon GW, Wolff RK, Haverhals LM, Mikuls TR, Reimold AM, Kerr GS, Richards JS, Johnson DS, **Caplan L**. Polymorphisms in the folate metabolism gene MTHFR (C677T and A1298C) are not associated with methotrexate adherence: findings from the Veterans Affairs Rheumatoid Arthritis (VARA) Registry. American College of Rheumatology 74th Annual Scientific Meeting, Atlanta, GA, November 6 -11, 2010.
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 29. Cannon G, Sauer B, Hayden C, **Caplan L**, Kerr G, Richards J, Johnson D, Mikuls T, Reimold A. Clinical response during sequential anti-tumor necrosis factor therapy in US veterans enrolled in the Veterans Affairs Rheumatoid Arthritis (VARA) registry. American College of Rheumatology 74th Annual Scientific Meeting, Atlanta, GA, November 6-11, 2010.
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37. Davis LA, Cannon GW, Reimold AM, Kerr GS, Mikuls TR, **Caplan L**. Validation of diagnostic and procedural codes for identification of incident cardiovascular disease in subjects with rheumatoid arthritis. American College of Rheumatology 75th Annual Scientific Meeting, Chicago, IL, November 5-9, 2011.
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55. Cannon GW, DuVall SL, Hayden CL, **Caplan L**, Curtis JR, Michaud K, Mikuls TR, Reimold A, Collier DH, Joseph GJ, Harrison DJ, Sauer BC. US veterans with rheumatoid arthritis who switch among tumor necrosis factor blocking agents have no additional clinical benefit with the change in therapy and incur higher costs. American College of Rheumatology 77nd Annual Scientific Meeting, San Diego, CA., October 25-30, 2013.

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57. Hirsh JM, Davis LA, Quinzanos I, Keniston A, **Caplan L**. Health literacy predicts discrepancies between traditional written rheumatoid arthritis patient assessments and verbally-administered assessments. American College of Rheumatology 77nd Annual Scientific Meeting, San Diego, CA., October 25-30, 2013.
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59. Dischinger H, Cheng E, Mann A, Grueber T, Hawk S, Davis LA, Prochazka AV, **Caplan L**. Decisional support to prevent adverse drug reaction of long latency: a randomized controlled intervention to improve screening for glucocorticoid induced diabetes. VA Health Service Research Career Development Conference, Washington DC, Feb 12, 2014.
60. Davis LA, Luong P, Bobba S, Dischinger H, Quinzanos-Alonso I, **Caplan L**. Acceptability of various technology-based communication modalities in a rheumatology clinic. Denver Health Days of Celebration Poster Competition, Denver, CO., June 5, 2014.
61. Quinzanos I, Luong PT, Richards JS, Majithia V, Bobba S, Qaiyumi S, Davis LA, **Caplan L**. Validation of modified disease activity and functional status questionnaires in spondyloarthritis. Group for Research and Assessment of Psoriasis and Psoriatic Arthritis and SPondyloArthritis Research and Treatment Network Annual Meeting, New York, NY, July 10-13, 2014.
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64. Quinzanos I, Luong PT, Richards JS, Majithia V, Bobba S, Qaiyumi S, Davis LA, **Caplan L**. Validation of modified disease activity and functional status questionnaires in spondyloarthritis. American College of Rheumatology 78nd Annual Scientific Meeting, Boston, MA. November 15-19, 2014.
65. Bledsoe C, Davis L, Tran V, Keniston A, **Caplan L**, Quinzanos I, Hirsh J. Patients' interpretations of rheumatoid arthritis model disease states in a safety-net rheumatology clinic. American College of Rheumatology 78nd Annual Scientific Meeting, Boston, MA. November 15-19, 2014.
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67. Patel R, Mikus TR, Richards JS, Cannon GW, Kerr GS, Davis LA, **Caplan L**, Baker JF. Prevalence of cardiovascular disease in US veterans with rheumatoid arthritis and hepatitis C infection. American College of Rheumatology 78nd Annual Scientific Meeting, Boston, MA. November 15-19, 2014.
68. Baker JF, Cannon GW, Ibrahim S, Haroldsen C, **Caplan L**, Mikuls TR. Predictors of long-term changes in body mass index in rheumatoid arthritis. American College of Rheumatology 78nd Annual Scientific Meeting, Boston, MA. November 15-19, 2014.

69. Baker JF, Billig E, Ibrahim S, **Caplan L**, Michaud K, Cannon GW, Majithia V, Mikuls TR. Weight loss and risk of death in rheumatoid arthritis. American College of Rheumatology 78th Annual Scientific Meeting, Boston, MA. November 15-19, 2014.
70. Nhan D, Quinlanos I, Walsh JA, Reimold A, Richards JS, Majithia V, Kerr GS, Clegg DO, Chang E, Kaushik P, Dubreuil M, **Caplan L**. Fatigue in spondyloarthritis. [Poster presentation] American College of Rheumatology/RRF Rheumatology Research Workshop. San Diego, CA. June 26-27, 2015.
71. Quinlanos I, Richards JS, **Caplan L**, Vahabzadeh-Monshie H, Reimold A, Walsh J, Maron D, Majithia V, Clegg D, Chang E, Kaushik P, Dubreuil M, Kerr GS. Uveitis, spondyloarthritis, and HLA-B27 in US veterans: A Cross-Sectional Study. and SPondyloArthritis Research and Treatment Network Annual Meeting, Denver, CO, July 25-26, 2015.
72. Baker JF, Sauer B, Michaud K, Cannon GW, Ibrahim S, Davis L, **Caplan L**, Cannella A, Mikuls TR. Initiation of disease modifying therapies and subsequent weight change in rheumatoid arthritis. American College of Rheumatology 79th Annual Scientific Meeting, San Francisco, CA. November 6-11, 2015.
73. England BR, Thiele G, Duryee M, Klassen LW, Sokolove J, Robinson W, Anderson D, Sayles H, Michaud K, **Caplan L**, Davis L, Cannon G, Sauer B, Solow E, Reimold A, Kerr G, Schwab P, Baker J, Mikuls TR. Associations of serum anti-malondialdehyde-acetaldehyde (MAA) antibodies with cardiovascular and respiratory mortality in men with rheumatoid arthritis. American College of Rheumatology 79th Annual Scientific Meeting, San Francisco, CA. November 6-11, 2015.
74. England BR, Baker J, Sayles H, Michaud K, **Caplan L**, Davis L, Cannon G, Sauer B, Solow E, Reimold A, Kerr G, Schwab P, Mikuls TR. Baseline obesity and subsequent weight loss are independently associated with cardiovascular mortality in established rheumatoid arthritis. American College of Rheumatology 79th Annual Scientific Meeting, San Francisco, CA. November 6-11, 2015.
75. England BR, Sokolove J, Robinson W, Thiele G, Ghanti A, Sayles H, Michaud K, **Caplan L**, Davis L, Cannon G, Sauer B, Solow E, Reimold A, Kerr G, Schwab P, Baker J, Mikuls TR. Circulating cytokine/chemokine concentrations predict cancer mortality in men with rheumatoid arthritis. American College of Rheumatology 79th Annual Scientific Meeting, San Francisco, CA. November 6-11, 2015. [Oral presentation].
76. Glorioso TJ, Grunwald GK, **Caplan L**, Barón AE. Assessing modifications to increase power in a stepped wedge designed trial targeting improved medication adherence for ischemic heart disease patients. AHA/ASA Quality of Care and Outcomes Research 2016 Scientific Sessions, Phoenix, AZ. February 28-March 1, 2016.
77. Mounessa J, Lynn D, Hashim M, Dellevale R, **Caplan L**. Correlation of a two-item patient-derived PASI with a four-component PASI. Eastern Colorado Health Care System VA Research Day, Denver, CO. April 28, 2016.
78. Glorioso TJ, Grunwald GK, **Caplan L**, Barón AE. Assessing modifications to increase power in a stepped wedge designed trial targeting improved medication adherence for ischemic heart disease patients. Eastern Colorado Health Care System VA Research Day, Denver, CO. April 28, 2016.
79. Delamo B, Wood PR, Hashim M, Duong R, Hou JK, Walsh J, Dubreuil M, Clegg DO, Kaushik P, Ng BS, Chang E, Reimold A, **Caplan L**, Kerr G. Elevated disease activity in spondyloarthritis-related diseases despite use of tumor necrosis factor inhibitors. SPondyloArthritis Research and Treatment Network Annual Meeting, Denver, CO, July 23-24, 2016. [Oral presentation].
80. Ohri N, Gerich ME, Fennimore BP, Ir D, Robertson CE, Frank DN, **Caplan C**, Wagner BD, Kuhn KA. Bacterial dysbiosis associates with functional intraepithelial lymphocyte changes in inflammatory bowel disease and spondyloarthritis. SPondyloArthritis Research and Treatment Network Annual Meeting, Denver, CO, July 23-24, 2016. [Oral presentation].
81. Wood P, Manning E, **Caplan L**. Association of tumor-necrosis factor inhibitor and non-biologic disease-modifying anti-rheumatic drug initiation with blood glucose and hemoglobin A1c in

- veterans with rheumatoid arthritis. UCDenver School of Medicine Dept. of Medicine Research Day, Denver, CO, October 14, 2016
82. England BR, Sayles H, Michaud K, **Caplan L**, Davis LA, Cannon GW, Sauer BC, Solow EB, Reimold AM, Kerr GS, Schwab P, Baker JF, Singh N, Mikuls TR. Associations of chronic lung comorbidity with medications, disease activity, and all-cause mortality in men with rheumatoid arthritis. American College of Rheumatology 80th Annual Scientific Meeting, Washington DC, November 11-16, 2016. [Oral presentation].
 83. Salem M, Malaty H, Criner K, **Caplan L**, Hou JK. The prevalence and characterization of axial spondyloarthritis among veterans with inflammatory bowel disease. (Accepted).
 84. Baker JF, Sauer BC, Teng CC, Cannon GW, Ibrahim S, George M, Cannella A, England BR, **Caplan L**, Davis LA, Michaud, K, O'Dell J, Mikuls TR. Changes in blood pressure following the initiation of disease modifying therapies in US veterans with rheumatoid arthritis. American College of Rheumatology 80th Annual Scientific Meeting, Washington DC, November 11-16, 2016.
 85. George MD, Giles JT, Katz PP, Ibrahim S, Cannon GW, England BR **Caplan L**, Sauer BC, Michaud, K, Mikuls TR, Baker JF. C-reactive protein and disease activity in rheumatoid arthritis: impact of obesity and adiposity. American College of Rheumatology 80th Annual Scientific Meeting, Washington DC, November 11-16, 2016.
 86. Mounessa J, Lynn D, Walsh J, Hashim M, Duong R, Dellevalle R, **Caplan L**. Validation of a two-question patient reported outcome measure for psoriasis. American College of Rheumatology 80th Annual Scientific Meeting, Washington DC, November 11-16, 2016.
 87. Ohri N, Gerich ME, Fennimore BP, Ir D, Robertson CE, Frank DN, **Caplan C**, Wagner BD, Kuhn KA. Bacterial dysbiosis associates with functional intraepithelial lymphocyte changes in inflammatory bowel disease and spondyloarthritis. American College of Rheumatology 80th Annual Scientific Meeting, Washington DC, November 11-16, 2016. [Oral presentation].
 88. Pearson D, Davis LA, Brown J, Fankhauser J, **Caplan L**. Musculoskeletal manifestations in ebola survivors. American College of Rheumatology 80th Annual Scientific Meeting, Washington DC, November 11-16, 2016.
 89. Bekele D, Duong R, Wood PR, Hashim M, Hou JK, Walsh J, Dubreuil M, Clegg DO, Kaushik P, Ng BS, Chang E, Reimold A, **Caplan L**, Kerr GS. Elevated disease activity in disease-related spondyloarthritis despite use of tumor necrosis factor inhibitor therapies. American College of Rheumatology 80th Annual Scientific Meeting, Washington DC, November 11-16, 2016.
 90. Mauer L, Mikuls TR, England BR, Cannon GW, Kerr GS, Thiele GM, **Caplan L**, Duryee MJ, Reimold AM. Associations of HLA-DRB1 haplotypes with disease characteristics and all-cause mortality in rheumatoid arthritis. American College of Rheumatology 80th Annual Scientific Meeting, Washington DC, November 11-16, 2016.
 91. Glorioso TJ, Grunwald GK, Barón AE, **Caplan L**. Modifications to increase power in a stepped wedge designed trial targeting improved medication adherence for ischemic heart disease in VA patients. VA Health Service Research & Development National Conference, Washington DC, Jul. 18-20, 2017.
 92. England BR, Thiele GM, Duryee MJ, Ascherman DP, **Caplan L**, Demoruelle MK, Deane KD, Mikuls TR. Increased Expression of Malondialdehyde-Acetaldehyde Adducts (MAA) and Anti-MAA Antibody in Rheumatoid Arthritis-Interstitial Lung Disease. American College of Rheumatology 81st Annual Scientific Meeting, San Diego, CA. November 3-8, 2017. [Oral presentation].
 93. England BR, Sayles H, Michaud K, Cannon G, Reimold A, **Caplan L**, Kerr GS, Singh N, Haynatzki G, George MD, Baker J, Mikuls TR. Comorbidity Measures Differentially Predict Longitudinal Disease Activity, Remission, and Disability in Rheumatoid Arthritis. American College of Rheumatology 81st Annual Scientific Meeting, San Diego, CA. November 3-8, 2017.
 94. England BR, Sayles J, Thiele GM, Michaud K, Sokolove J, Cannon G, Reimold A, Kerr GS, **Caplan L**, Baker J, Mikuls TR. Anti-Cyclic Citrullinated Peptide Antibody Positive Rheumatoid Arthritis Patients with Comorbid Post-Traumatic Stress Disorder Have Higher Serum Cytokine

- Expression. American College of Rheumatology 81st Annual Scientific Meeting, San Diego, CA. November 3-8, 2017.
95. Wood PR, Manning E, Baker JF, Cannon GW, Davis LA, England BR, Mikuls TR, **Caplan L**. Blood glucose changes surrounding initiation of tumor-necrosis factor inhibitors and conventional disease-modifying anti-rheumatic drugs in veterans with rheumatoid arthritis. American College of Rheumatology 81st Annual Scientific Meeting, San Diego, CA. November 3-8, 2017.
 96. Wood PR, **Caplan L**. Synchronous telemedicine care in rheumatology for a dispersed Veterans Affairs Health System. American College of Rheumatology 81st Annual Scientific Meeting, San Diego, CA. November 3-8, 2017. [Oral presentation].
 97. McCulley C, Mikuls TR, Barton J, Cannon G, Sauer BC, **Caplan L**, England BR, Teng CC, Baker J. Body Mass Index and Persistence of Conventional Dmards and TNF Inhibitors in Rheumatoid Arthritis. American College of Rheumatology 81st Annual Scientific Meeting, San Diego, CA. November 3-8, 2017.
 98. Cannon G, Rojas J, Bell N, Reimold A, Mikuls TR, Singh N, Kerr GS, Schwab P, Baron J, **Caplan L**, Baker J, Gaffo AL, Richards JS, Lazaro D, Majithia V, Sauer B. The Use of Natural Language Processing to Identify, Retrieve, Report, and Correct Observational Data on US Veterans Enrolled in the Veterans Affairs Rheumatoid Arthritis Registry. American College of Rheumatology 81st Annual Scientific Meeting, San Diego, CA. November 3-8, 2017. [Oral presentation].
 99. Baker J, Mikuls TR, England BR, George MD, Cannon G, Sayles H, Sauer B, **Caplan L**, Michaud K. Impact of Body Mass Index and Weight Loss on Incident Disability in Patients with Rheumatoid Arthritis. American College of Rheumatology 81st Annual Scientific Meeting, San Diego, CA. November 3-8, 2017.
 100. Regner EH, Ohri N, Stahly A, Gerich ME, Fennimore BP, Ir D, Jubair WK, Robertson CE, **Caplan L**, Frank DN, Kuhn KA. Bacterial dysbiosis is associated with functional intraepithelial lymphocyte changes in inflammatory bowel disease and spondyloarthritis. Digestive Disease Week, Washington, DC. June 2-5, 2018.
 101. Salem M, Malaty H, Feagins LA, Flynn A, Yao M, **Caplan L**, Hou JK. The association of joint extra-intestinal manifestations in patients with inflammatory bowel disease on quality of life: a prospective multi-center study. Digestive Disease Week, Washington, DC. June 2-5, 2018.
 102. Regner EH, Ohri N, Stahly A, Ir D, Jubair WK, Robertson CE, **Caplan L**, Frank DN, Kuhn KA. Functional intraepithelial lymphocyte changes in inflammatory bowel disease and spondyloarthritis have disease specific correlations with gut microbiota. SPondyloArthritis Research and Treatment Network Annual Meeting, Boston, MA, May 3, 2018.
 103. Cannon G, Rojas J, Bell N, Baker JF, Kerr GS, Gaffo A, Richards JS, Baron J, Schwab P, Mikuls TR, Singh N, **Caplan L**, Lazaro D, Reimold A, Sauer B. An electronic audit, reporting, and data correction system improves the quantity and quality of observational data collected for US veterans enrolled in the Veterans Affairs Rheumatoid Arthritis Registry. American College of Rheumatology 82nd Annual Scientific Meeting, Chicago, IL. October 19-24, 2018. [Oral presentation].
 104. Coit P, Kaushik P, **Caplan L**, Kerr GS, Walsh JA, Dubreuil M, Reimold A, Sawalha AH. Genome-wide DNA methylation analysis in ankylosing spondylitis. American College of Rheumatology 82nd Annual Scientific Meeting, Chicago, IL. October 19-24, 2018.
 105. Manning ES, Anderson E, Maier K, Hashim M, Duong R, **Caplan L**. Addition of oblique radiographs in the evaluation of sacroiliitis. Western Medical Research Conference, Carmel, CA. January 24-26, 2019. [Oral presentation].
 106. Cannon G, Rojas J, Bell N, Singh N, Mikuls TR, **Caplan L**, Kerr GS, Baker JF, Gaffo A, Baron J, Lazaro D, Richards JS, Sauer B. Improvement in the quantity and quality of observational data collected for US veterans enrolled in the Veterans Affairs Rheumatoid Arthritis Registry using an electronic audit, feedback, and data correction system. [AB1200]. Annual European Congress of Rheumatology, Madrid, Spain, June 12-15, 2019. Ann Rheum Dis 2019;78(Suppl2):2061.

107. Wolfe S, Cheng E, Brees K, **Caplan L**. Secondary efficacy failure is the predominant etiology for discontinuation of tumor necrosis factor inhibitor in psoriasis/psoriatic arthritis. Western Medical Research Conference, Carmel, CA. January 23-25, 2020. [Oral presentation].
108. Raghavan S, Liu W, Baron A, Saxon D, Plomondon M, Ho M, **Caplan L**. Development of a hypoglycemia prediction model for veterans with diabetes using supervised machine learning applied to electronic health record data. AHA-Epi/Lifestyle Scientific Sessions. March 6, 2020. [Oral presentation].
109. Maksymowych W, **Caplan L**, Deodhar A, Dolatabadi S, Hwang M, Carlson A, Steed K, Carapellucci A, Paschke J, Gensler L. Diagnosis of axial spondyloarthritis: What is the primary unmet educational need for rheumatologists completing specialty training? [AB1358]. Annual European Congress of Rheumatology, [virtual], June 3-6, 2020. *Ann Rheum Dis* 2020;79(Suppl1):1966.
110. Maksymowych W, **Caplan L**, Deodhar A, Dolatabadi S, Hwang M, Carlson A, Steed K, Carapellucci A, Paschke J, Gensler L. Diagnosis of axial spondyloarthritis: a primary unmet educational need for rheumatologists is interpretation of MRI. American College of Rheumatology Convergence/84th Annual Scientific Meeting, Virtual. Nov 6-10, 2020.
111. Dill S, Cheng E, Brees K, Carpenter J, **Caplan L**. Mechanical and temperature stress during biologic shipments to rheumatology patients. American College of Rheumatology Convergence/84th Annual Scientific Meeting, Virtual. Nov 6-10, 2020.
112. Sen R, Kim E, Manning E, Anderson E, Maier K, Cheng E, **Caplan L**. Findings compatible with axial spondyloarthritis in radiologist reports. American College of Rheumatology Convergence/84th Annual Scientific Meeting, Virtual. Nov 6-10, 2020.
113. Kim EJ, Sen R, Manning ES, Anderson ER, Maier KD, Cheng E, **Caplan L**. Platelet/lymphocyte ratio as a potential biomarker for disease activity in ankylosing spondylitis. Western Medical Research Conference, Carmel, CA [virtual]. January 27-30, 2021. [Oral presentation].
114. Anishchenko KY, Cheng E, **Caplan L**. Clinical characteristics of late-onset spondyloarthritis. Western Medical Research Conference, Carmel, CA [virtual]. January 27-30, 2021. [Oral presentation].
115. Napier RJ, Vance EE, Lee EJ, Sen R, **Caplan L**, Rosenzweig HL. Card9 promotes pathogenic neutrophil responses that induce Th17-mediated autoimmune arthritis and spondylitis. American Association of Immunologists (AAI) Annual Meeting/Immunology2021 [virtual]. May 10-15, 2021. [Oral presentation].
116. Wolfe S, Cheng E, Brees K, **Caplan L**. Discontinuation of tumor necrosis factor inhibitor in psoriatic arthritis and psoriasis. American College of Rheumatology Convergence/84th Annual Scientific Meeting, Virtual. Nov 3-9, 2021.
117. Sen R, Kim E, Cheng E, Ganuthula K, Fang MA, Kerr G, Walsh J, Chang E, Raychaudhuri SP, Reimold A, **Caplan L**. A tough cell: the argument for a biomarker of clinical and imaging outcomes in spondyloarthritis: the neutrophil lymphocyte ratio and the platelet lymphocyte ratio. American College of Rheumatology Convergence/84th Annual Scientific Meeting, Virtual. Nov 3-9, 2021.
118. Rosenzweig H, Vance E, Sen R, Caplan L, Napier R. A Role for Neutrophils in Disease Onset and Severity of Spondyloarthritis [abstract]. *Arthritis Rheumatol.* 2021; 73 (suppl 10). <https://acrabstracts.org/abstract/a-role-for-neutrophils-in-disease-onset-and-severity-of-spondyloarthritis/>. Accessed November 17, 2021.
119. Kim E, Sen R, Palestine AG, Cheng E, Kerr G, Reimold A, Walsh J, Chang E, Caplan L. The utility of the neutrophil-lymphocyte ratio and platelet-lymphocyte ratio in spondyloarthritis associated anterior uveitis. Association for Research in Vision and Ophthalmology/2023 Annual Meeting, New Orleans, LA. Apr 23-27, 2023.

Book Chapters:

1. **Caplan L.** West S. Woman with morning stiffness and tender, swollen joints (Rheumatoid Arthritis). In: Scott MG, Gronowski AM, Eby CS, editors. Tietz's Applied Laboratory Medicine. 2nd edition. Hoboken: John Wiley & Sons, Inc; 2007. ISBN-10: 0471714577
2. **Caplan L.** West S. Woman with a rash and lower extremity pain (Systemic Lupus Erythematosus). In: Scott MG, Gronowski AM, Eby CS, editors. Tietz's Applied Laboratory Medicine. 2nd edition. Hoboken: John Wiley & Sons, Inc; 2007. ISBN-10: 0471714577
3. Sabahi I, Richards JS, Mikuls TR, Rangan B, Reimold A, Cannon GW, Johnson D, **Caplan L**, Kerr GS. Association of cardiovascular disease with the metabolic syndrome in a predominantly male cohort with rheumatoid arthritis. Rheumatoid Arthritis: Etiology, Consequences and Co-Morbidities. Lemmey, Andrew B., ed. Rijeka, Croatia: InTech Open Access Publisher; 2011. ISBN 978-953-307-847-2. Available: <http://www.intechopen.com/articles/show/title/association-of-cardiovascular-disease-with-the-metabolic-syndrome-in-a-predominantly-male-cohort-wit> (Accessed 1/12/12).
4. Gensler L, Weisman M, **Caplan L**. Epidemiology of axial spondyloarthritis. In: Inman R, Sieper J. Oxford Textbook of Axial Spondyloarthritis. 2016. ISBN-10: 0198734441, ISBN-13: 978-0198734444
5. **Caplan L**. Axial Spondyloarthritis. In: West S, Kolfenbach J, editors. Rheumatology Secrets. 4th edition. Mosby; 2020. ISBN-13: 978-0323641869; ISBN-10: 0323641865.
6. Caplan AM, Davis LA, **Caplan L**. Telerheumatology and the Department of Veterans Affairs. In: Peoples C, editor. Telerheumatology: Origins, Current Practice, and Future Directions. XXX: Springer Nature; 2022. ISBN 978-3-031-00935-8

Book Reviews:

1. **Caplan L**. Review of Ankylosing Spondylitis: Fast Facts. Dougados M, ed. Doody's Review Service (on-line). Available: <http://www.doody.com>. (Accessed 7/23/04).
2. **Caplan L**. Review of PDxMD Rheumatology. Ferrari M, ed. Doody's Review Service (on-line). Available: <http://www.doody.com>. (Accessed 7/23/04).
3. **Caplan L**. Review of Biologic Therapies in Rheumatology. Smolen J, ed. Doody's Review Service (on-line). Available: <http://www.doody.com>. (Accessed 7/23/04).
4. **Caplan L**. Review of Epidemiology of the Rheumatic Diseases (2nd ed). Silman AJ, ed. Doody's Review Service (on-line). Available: <http://www.doody.com>. (Accessed 7/23/04).
5. **Caplan L**. Review of Cutaneous Manifestations of the Rheumatic Diseases (2nd ed). Sontheimer RD, ed. Doody's Review Service (on-line). Available: <http://www.doody.com>. (Accessed 7/23/04).
6. **Caplan L**. Review of Arthritis Sourcebook. Sutton AL, ed. Doody's Review Service (on-line). Available: <http://www.doody.com>. (Accessed 12/1/04).
7. **Caplan L**. Review of Antirheumatic Therapy: Actions and Outcomes. Day RO, Furst DE, van Riel PL, Bresnihan B, eds. Doody's Review Service (on-line). Available: <http://www.doody.com>. (Accessed 5/10/05).

Presentations/Guest Lectureship (Formally invited lectures denoted with *):

1. Auto-Immune Antibodies. Internal Medicine Grand Rounds, Atlanta Veterans Affairs Medical Center. Atlanta, Georgia (Feb. 6, 2002).
2. She Imagines All Sorts of Things: Neuropsychiatric SLE. Rheumatology Grand Rounds, Washington University School of Medicine. St. Louis, Missouri (Sept. 26, 2002).
3. As Goes the Ear, So Goes the Nose: Relapsing Polychondritis. Rheumatology Grand Rounds, Washington University School of Medicine. St. Louis, Missouri (Dec. 5, 2002).
4. Antibodies and an Achy-Breaky Heart: Accelerated Atherosclerosis and the APL. Rheumatology Grand Rounds, Washington University School of Medicine. St. Louis, Missouri (Jan. 9, 2003).
5. Use of Microarray Analysis in the Rheumatic Diseases. Rheumatology Journal Club, Washington University School of Medicine. St. Louis, Missouri (Feb. 12, 2003).
6. Management of the Pregnant SLE patient. Rheumatology Grand Rounds, Washington University School of Medicine. St. Louis, Missouri (Mar. 6, 2003).

7. Its Enough to Make You IL: The Scandalous Role of p40 in the Immunity Dance. Rheumatology State of the Art Conference, Washington University School of Medicine. St. Louis, Missouri (May 21, 2003).
8. Ly's, SAPs, and Videotape: The SLAM Family Story, From a B-Cell Perspective. Rheumatology State of the Art Conf., Washington Univ School of Medicine. St. Louis, Missouri (Nov. 19, 2003).
9. Risk Factors of Pneumonia in Rheumatoid Arthritis. Rheumatology State of the Art Conference, Washington University School of Medicine. St. Louis, Missouri (Oct. 2004).
10. Interstitial Lung Disease in Rheumatoid Arthritis. Rheumatology Journal Club, Washington University School of Medicine. St. Louis, Missouri (Apr. 21, 2004).
11. Lies, Damn Lies, and Statistics: Conveying Uncertainty in Science. Rheumatology State of the Art Conference, Washington University School of Medicine. St. Louis, Missouri (Sep. 29, 2004).
12. Clinical Measurement Systems in the Rheumatic Diseases. Clinically Relevant Articles and Subjects Seminar, Washington University School of Medicine. St. Louis, Missouri (Dec. 16, 2004).
13. * Risk Factors for Pneumonia in Rheumatoid Arthritis. Rheumatology Grand Rounds, UT Southwestern Medical School. Dallas, Texas (Jan. 6, 2005).
14. * Risk Factors for Pneumonia in Rheumatoid Arthritis. Rheumatology Grand Rounds, Vanderbilt University School of Medicine. Nashville, Tennessee (Jan. 13, 2005).
15. * Risk Factors for Pneumonia in Rheumatoid Arthritis. Rheumatology Research Conference, University of Colorado School of Medicine. Denver, Colorado (Jan. 18, 2005).
16. * Lung Disease in Rheumatoid Arthritis. Rheumatology Special Research Conference, University of Minnesota School of Medicine. Minneapolis, Minnesota (April 20, 2005).
17. Rheumatoid Arthritis Associated Interstitial Lung Disease Requiring Hospitalization. Rheumatology Research Conference, University of Colorado School of Medicine. Denver, Colorado (Jan. 9, 2006).
18. Low complement. Rheumatology Problem Case Conference. University of Colorado School of Medicine. Denver, Colorado (Mar. 21, 2006)
19. Quality of Care Indicators in Rheumatology. Rheumatology Research Conference, University of Colorado School of Medicine. Denver, Colorado (May 23, 2006).
20. Introduction to Clinical Trial Design and Epidemiology: Rheumatology Perspective. Rheumatology Fellows Clinical Trials Design Series. University of Colorado School of Medicine. Denver, Colorado (Sept. 13, 2006)
21. HAQing Away: Measuring Function/Disability in Rheumatoid Arthritis and its implications for disease mechanisms. Rheumatology Journal Club Conference, University of Colorado School of Medicine. Denver, Colorado (Oct. 3, 2006).
22. * Quality of Care and the Electronic Medical Record: Rheum for Improvement. Rocky Mountain Rheumatism Society. Denver, Colorado (Mar. 19, 2007).
23. Quality of Care and the Electronic Medical Record: Rheum for Improvement. Methods and Applications HSR Seminar. University of Colorado School of Medicine. Denver, Colorado (Mar. 27, 2007).
24. Pain, Drained, Inane (Chilblain Lupus). Rheumatology Problem Case Conference. University of Colorado School of Medicine. Denver, Colorado (Apr. 24, 2007).
25. Techniques in Database Development: An Overview of the UCDHSC Scleroderma Database. Rheumatology Research Conference, University of Colorado School of Medicine. Denver, Colorado (Sept. 4, 2007).
26. Statins and Fracture Risk. Rheumatology Journal Club Conference, University of Colorado School of Medicine. Denver, Colorado (Oct. 2, 2007).
27. Building infrastructure for health service research in autoimmune conditions. Autoimmunity/ Immunotherapeutics Cross-Disciplinary Updates, University of Colorado School of Medicine. Denver, Colorado (Nov. 19, 2007).
28. Introduction to Clinical Trial Design and Epidemiology: Rheumatology Perspective. Rheumatology Fellows Clinical Trials Design Series. University of Colorado School of Medicine. Denver, Colorado (Aug. 5, 2008).

29. Control of Bone Mass and Remodeling by PTH Receptor Signaling in Osteocytes: Implications for a new line of therapeutics. Rheumatology Journal Club Conference, University of Colorado School of Medicine. Denver, Colorado (Oct. 7, 2008).
30. * Rheumatic Disease Pharmacovigilance Studies Using VA Databases. Centers for Education & Research on Therapeutics Research In Progress Conference, University of Alabama at Birmingham. Birmingham, Alabama (Nov. 11, 2008).
31. Health Literacy and Rheumatoid Arthritis [co-presented with Joel Hirsh] Rheumatology Research Conference, University of Colorado School of Medicine. Denver, Colorado (Jan. 13, 2009).
32. * Health Services Research at UCDenver Rheumatology: The example of Health Literacy and Rheumatoid Arthritis. Arthritis Foundation Mission Delivery Meeting, Rocky Mountain Arthritis Foundation. Denver, Colorado (Mar. 17, 2009).
33. Two Cases (Hypertrophic osteoarthropathy). Rheumatology Problem Case Conference. University of Colorado School of Medicine. Denver, Colorado (Apr. 28, 2009).
34. Rheumatoid Arthritis Associated Interstitial Lung Disease: a proposed observational study in veterans. Health Services Research Program Seminar and Comprehensive Exam. University of Colorado School of Pharmacy Doctoral Program Graduate School. Denver, Colorado (May 1, 2009).
35. Confounder summary scores (Confounding & Propensity Scores). Rheumatology Journal Club Conference, University of Colorado School of Medicine. Denver, Colorado (Sept. 29, 2009).
36. Pharmacovigilance. Pharmacoepidemiology [PHSC 7615], in Pharmaceutical Sciences/Outcomes Research. University of Colorado School of Pharmacy. Denver, Colorado (Nov. 10, 2009).
37. Lower extremity ulcers (Wegener's Vasculitis). Rheumatology Problem Case Conference. University of Colorado School of Medicine. Denver, Colorado (Nov. 24, 2009).
38. Rheumatoid Arthritis Associated Interstitial Lung Disease: a systematic review. Rheumatology Research Conference, University of Colorado School of Medicine. Denver, Colorado (Jan. 12, 2010).
39. Rheumatoid Arthritis Associated Interstitial Lung Disease: an observational study in veterans. Health Services Research Program Seminar and Dissertation Defense. University of Colorado Graduate School. Denver, Colorado (Mar. 22, 2010).
40. * How to use the Rheumatology Clinical Registry to meet ACGME Requirements. American College of Rheumatology Program Directors' Conference. Chicago, Illinois (Mar. 26, 2010).
41. * Determining medication safety in veterans: Is Interstitial Lung Disease in rheumatoid arthritis associated with the drug methotrexate? Veterans Affairs Research Day, Denver Veterans Affairs Medical Center. Denver, Colorado (Apr. 27, 2010).
42. Observational study to determine predictors of rheumatology clinic visit provider contact time. Rheumatology Research Conference, University of Colorado School of Medicine. Denver, Colorado (May 17, 2010).
43. Revising to Win, or How to put the slap-down on reviewers. Clinical Faculty Scholars Program Special Topics Seminar Series, University of Colorado. Denver, Colorado (May 26, 2010).
44. Guideline development: van der Goes, et al. Monitoring adverse events of low-dose glucocorticoid therapy. Rheumatology Journal Club Conference, University of Colorado School of Medicine. Denver, Colorado (Sept. 7, 2010).
45. * Comparative Effectiveness Research using clinical registries. Cochrane Skin Group Comparative Effectiveness Conference. Denver, Colorado (Oct. 16, 2010).
46. * Balancing Family and Career. American College of Rheumatology Fellows Subcommittee, Committee on Training and Workforce Issues Mentoring session, American College of Rheumatology 74nd Annual Scientific Meeting. Atlanta, Georgia (Nov. 6, 2010).
47. Glucocorticoid Induced Osteoporosis (GIO) in males and the role of bone densitometry. Rheumatology Research Conference, University of Colorado School of Medicine. Denver, Colorado (Jan. 11, 2011).

48. Chronic medication toxicity: Examples using disease modifying anti-rheumatic drugs. Internal Medicine Grand Rounds. University of Colorado School of Medicine. Denver, Colorado (Jan. 26, 2011).
49. * Developing and using patient registries for clinical research. Western Regional TriSocieties Meeting (American Federation for Medical Research). Carmel, California (Jan. 27 and 28, 2011).
50. Biologic Therapy for Rheumatoid Arthritis. Internal Medicine Journal Club [faculty expert]. University of Colorado School of Medicine. Denver, Colorado (Mar. 16, 2011).
51. Glucocorticoid Induced Osteoporosis (GIO). Internal Medicine Journal Club [faculty expert]. University of Colorado School of Medicine. Denver, Colorado (Apr. 20, 2011).
52. * Uniformity in health care of the Spondyloarthropathies. Veterans Affairs Rheumatology Consortium 10th Annual Meeting. Denver, Colorado (Apr. 29th, 2011).
53. UCDenver Clinical Lab diagnostics. Rheumatology Problem Case Conference. University of Colorado School of Medicine. Denver, Colorado (May 17, 2011).
54. ASDAS, BASDAI, biomarkers and treatment response in anti-TNF treated patients with axial spondyloarthritis. Rheumatology Journal Club Conference, University of Colorado School of Medicine. Denver, Colorado (Sept. 6, 2011).
55. Introduction to Clinical Trial Design and Epidemiology: Rheumatology Perspective. Rheumatology Fellows Clinical Trials Design Series. University of Colorado School of Medicine. Denver, Colorado (Nov. 30, 2011).
56. Single Item Literacy Screening questions are strongly associated with functional status among rheumatoid arthritis patients. Rheumatology Research Conference, University of Colorado School of Medicine. Denver, Colorado (Dec. 13, 2011).
57. Losing contact with reality (Psychosis in SLE). Rheumatology Problem Case Conference. University of Colorado School of Medicine. Denver, Colorado (Jan. 3, 2011).
58. Revising to Win, or How to put the slap-down on reviewers. Clinical Faculty Scholars Program Special Topics Seminar Series. University of Colorado School of Medicine. Aurora, CO (Feb. 22, 2012).
59. Is fat phat? Body Mass Index and disease activity measures in rheumatoid arthritis. Department of Medicine Research and Innovation Conference. University of Colorado School of Medicine. Aurora, CO (Apr. 5, 2012).
60. * Clinical Registries: Advantages, Logistical Difficulties, and Mechanisms to Ensure Quality. SpondyloArthritis Research and Treatment Network (SPARTAN) 10th Annual Research & Education Meeting. Portland, OR (July 28, 2012).
61. * Health Literacy: findings from the rheumatic diseases. 2nd Annual Conference on Health Literacy Research. Little Rock, Arkansas (Aug 13-14, 2012).
62. The Seropositive Spondyloarthropathies. Rheumatology Journal Club Conference, University of Colorado School of Medicine. Aurora, CO (Sept. 4, 2012).
63. Stomach ache, sweaty, and somnolent [AML mimicking CTD]. Rheumatology Problem Case Conference. University of Colorado School of Medicine. Aurora, CO (Nov. 20, 2012).
64. Validation of disease activity and functional status questionnaires in spondyloarthritis. Rheumatology Research Conference, University of Colorado School of Medicine. Aurora, CO (Mar. 12, 2013).
65. * The VA's PULSAR Registry. Veterans Affairs Rheumatology Consortium 10th Annual Meeting. Kansas City, MO (Apr. 19th, 2013).
66. * Verbally Administered Patient Global Assessments and Assessments of Disease Activity Demonstrate Good Correlation With Traditional Written Versions. American College of Rheumatology/European League Against Rheumatism International Academic Rheumatology Exchange Program. Madrid, Spain; Paris, France; Stockholm, Sweden; Berlin, Germany (June 11-22, 2013).
67. * Pharmacoeconomics and VARA: Studies of Ovarian Reserve. Veterans Affairs Rheumatoid Arthritis Registry Investigators Meeting, University of Nebraska Medical Center. Omaha, NE (Sept. 10, 2013).

68. Increased Levels of IgG Antibodies against Human HSP60 in Patients with Spondyloarthritis. Rheumatology Journal Club Conference, University of Colorado School of Medicine. Aurora, CO (Oct. 1, 2013).
69. When the beans go, its no fun, guy. Rheumatology Problem Case Conference. University of Colorado School of Medicine. Aurora, CO (Nov. 19, 2013).
70. Introduction to Clinical Trial Design and Epidemiology: Rheumatology Perspective. Rheumatology Fellows Clinical Trials Design Series. University of Colorado School of Medicine. Aurora, CO (Nov. 20, 2013).
71. * Rheum for improvement: A journey towards a better understanding of adverse drug reactions. VA Health Service Research Career Development Conference. Washington DC, Feb. 2014.
72. Empiric epidemiologic evaluations using the PULSAR registry: operational considerations and opportunities . Rheumatology Research Conference, University of Colorado School of Medicine. Aurora, CO (Apr. 8, 2014).
73. * Setting up new committees; Development of ACR-SPARTAN-SAA Treatment Recommendations; SPARTAN Registry: Introduction. [3 separate presentations] Group for the Research and Assessment of Psoriasis and Psoriatic Arthritis/SPondyloArthritis Research and Treatment Network (GRAPPA/SPARTAN) Annual Meeting. New York, NY (July 11-13, 2014).
74. Role of Protein Phosphatase Magnesium-Dependent 1A and Anti-Protein Phosphatase Magnesium-Dependent 1A Autoantibodies in Ankylosing Spondylitis. Rheumatology Journal Club Conference, University of Colorado School of Medicine. Aurora, CO (Oct. 28, 2014).
75. * Axial Spondyloarthritis Guidelines: Overview of Guidelines Development, Including Methods and Literature Review. American College of Rheumatology 78th Annual Scientific Meeting. Boston, MA (Nov. 16, 2014).
76. Decisional Support to Prevent Adverse Drug Reactions of Long Latency: Pilot Randomized Controlled Intervention for Glucocorticoid Induced Diabetes. Rheumatology Research Conference, University of Colorado School of Medicine. Aurora, CO (Apr. 14, 2015)
77. * Session on Classification Criteria for Axial Spondyloarthritis. SPondyloArthritis Research and Treatment Network (SPARTAN) 13th Annual Research & Education Meeting. Denver, CO (July 25, 2015).
78. Spondyloarthritis with a focus on Axial Disease. Internal Medicine Residency Lecture Series. University of Colorado School of Medicine. Aurora, CO (Dec. 9, 2015).
79. * Logistics for Developing New Axial Spondyloarthritis Classification Criteria. SPARTAN-ASAS Proposal Development Meeting. Portland, OR (January 15th, 2016)
80. Introduction to Clinical Trial Design and Epidemiology: Rheumatology Perspective. Rheumatology Fellows Clinical Trials Design Series. University of Colorado School of Medicine. Aurora, CO (Jan. 19, 2016).
81. Characterization of a potential murine model of axial spondyloarthritis. Rheumatology Research Conference, University of Colorado School of Medicine. Aurora, CO (Jan. 26, 2016).
82. The SEPPRMACI-ARM study. VA Denver-Seattle Center for Innovation for Veteran-centered, Value-driven CaRe (DiSCoVVeR) Investigators Meeting. Denver Veterans Affairs Medical Center. Denver, CO (Feb. 19, 2016).
83. Caplan Lab Ongoing Research. VA Denver-Seattle Center for Innovation for Veteran-centered, Value-driven CaRe (DiSCoVVeR) Trainee Works In Progress. Denver Veterans Affairs Medical Center. Denver, CO (Mar. 22, 2016).
84. * Spondyloarthritis with a focus on Axial Disease. VA National Rheumatology SCAN-ECHO program. Denver Veterans Affairs Medical Center. Denver, CO (Apr. 16th, 2016).
85. * The VA's PULSAR Registry. Veterans Affairs Rheumatology Consortium 10th Annual Meeting. Kansas City, MO (Apr. 16th, 2016).
86. Spondyloarthritis. Physical Medicine & Rehabilitation Service Resident Series. University of Colorado School of Medicine. Aurora, CO (Apr. 20, 2016).
87. Introduction to Research. Summer Research Students Lecture Series. University of Colorado School of Medicine. Aurora, CO (Jul. 12, 2016).

88. Spondyloarthritis with a focus on Axial Disease. Internal Medicine Residency Lecture Series. University of Colorado School of Medicine. Aurora, CO (Aug. 13, 2016).
89. Introduction to Clinical Trial Design and Epidemiology: Rheumatology Perspective. Internal Medicine Residency Lecture Series. University of Colorado School of Medicine. Aurora, CO (Aug. 24, 2016).
90. The effect of comedication with a conventional synthetic DMARD on drug retention and clinical effectiveness of α -TNF therapy in patients with axial spondyloarthritis. Rheumatology Journal Club Conference, University of Colorado School of Medicine. Aurora, CO (Sep. 6, 2016).
91. Epidemiologic evaluations using the PULSAR registry: Validation of a two-item patient-derived PASI; Unmet need for patients with SpA on TNFi. Rheumatology Research Conference, University of Colorado School of Medicine. Aurora, CO (Oct. 25, 2016).
92. * Year-in-Review in Spondyloarthritis. Group for the Research and Assessment of Psoriasis and Psoriatic Arthritis/SPondyloArthritis Research and Treatment Network/ Assessment of SpondyloArthritis international Society (GRAPPA/SPARTAN/ASAS) Workshop. Washington DC (Nov. 16, 2016).
93. * Ankylosing Spondylitis and Inflammatory Back Pain. VA National Rheumatology SCAN-ECHO program. Denver Veterans Affairs Medical Center (Mar. 21st, 2017).
94. "My hands look like boxing gloves": ?Pachydermoperiostitis". Rheumatology Problem Case Conference. University of Colorado School of Medicine. Aurora, CO (Apr. 25, 2017).
95. * Spondyloarthritis Management Overview. SPondyloArthritis Research and Treatment Network (SPARTAN) 15th Annual Research & Education Meeting. Boston, MA (May 5-7, 2017).
96. * Career Paths in Spondyloarthritis. SPondyloArthritis Research and Treatment Network (SPARTAN) 15th Annual Research & Education Meeting. Boston, MA (May 5-7, 2017).
97. * Session on Classification Criteria, Axial Spondyloarthritis. SPondyloArthritis Research and Treatment Network (SPARTAN) 15th Annual Research & Education Meeting. Boston, MA (May 5-7, 2017).
98. * Psoriatic Arthritis with a focus on Joint Disease. VA National Rheumatology SCAN-ECHO program. Denver Veterans Affairs Medical Center (May 30th, 2017).
99. * Optimizing med management: The Secondary Event Prevention using Population Risk Management After Percutaneous Coronary Intervention and for Anti-Rheumatic Medications (SEPPRMACI-ARM) Study GRECC, MIRECC, COIN Grand Rounds. Denver Veterans Affairs Medical Center. Denver, CO (Aug. 24th, 2017).
100. Tofacitinib in patients with ankylosing spondylitis. Rheumatology Journal Club Conference, University of Colorado School of Medicine. Aurora, CO (Sep. 5, 2017).
101. * Biologics in VISN 19: Trends in TNFi use, VA initiatives, and national pharmacy initiatives. VISN 19 Pharmacy & Therapeutics Conference, Denver, CO (Oct. 18th, 2017).
102. * Axial Spondyloarthritis/Ankylosing Spondylitis. Meet the Professor. American College of Rheumatology 81st Annual Scientific Meeting, San Diego, CA (Nov. 3-8, 2017).
103. Caplan Lab Ongoing Research. VA Denver-Seattle Center for Innovation for Veteran-centered, Value-driven CaRe (DiSCoVVeR) Trainee Works In Progress. Denver Veterans Affairs Medical Center. Aurora, CO (Dec. 19, 2017).
104. Introduction to Clinical Trial Design and Epidemiology: Rheumatology Perspective. Rheumatology Fellows Clinical Trials Design Series. University of Colorado School of Medicine. Aurora, CO (Jan. 16, 2018).
105. * Ankylosing Spondylitis and Inflammatory Back Pain. VA National Rheumatology SCAN-ECHO program. Denver Veterans Affairs Medical Center. Denver, CO (Mar. 6th, 2018).
106. * Psoriatic Arthritis with a focus on Joint Disease. VA National Rheumatology SCAN-ECHO program. Denver Veterans Affairs Medical Center. Denver, CO (Mar. 13th, 2018).
107. * The VA's PULSAR Registry Project Update. Veterans Affairs Rheumatology Consortium 12th Annual Meeting. Chicago, IL (Apr. 13th, 2018).

108. * Spondyloarthritis: medical management, updates in SpA research and treatment options. Spondylitis Association of America Patient Educational program (national). Denver, CO (Apr. 28, 2018).
109. * Spondyloarthritis Management Overview. SPondyloArthritis Research and Treatment Network (SPARTAN) 15th Annual Research & Education Meeting [Trainee symposium]. Boston, MA (May 3-5, 2018).
110. Introduction to Research. Summer Research Students Lecture Series. University of Colorado School of Medicine. Aurora, CO (Jun. 11, 2018).
111. SLE and a rash (Chilblain lupus erythematosus). Rheumatology Problem Case Conference. University of Colorado School of Medicine. Aurora, CO (Oct. 9, 2018).
112. * Axial Spondyloarthritis/Ankylosing Spondylitis. Meet the Professor. American College of Rheumatology 82nd Annual Scientific Meeting, Chicago, IL (Oct. 21-22, 2018).
113. Outcomes research in Ankylosing Spondylitis / Axial Spondyloarthritis Imaging and Pharmacoepidemiology. Rheumatology Research Conference, University of Colorado School of Medicine. Aurora, CO (Jan. 8, 2019).
114. * Leveraging Department of Veterans Affairs resources across the continuum of clinically-oriented research. Department of Medicine Research and Innovation Conference. University of Colorado School of Medicine. Aurora, CO (Feb. 8, 2019).
115. Pathogenesis of spondyloarthritis. Rheumatology Fellows Scientific Basis of Rheumatic Disease Lecture Series. University of Colorado School of Medicine. Aurora, CO (Mar. 6, 2019).
116. Using databases for research: biorepositories and registries. Research track lecture series. University of Colorado Internal Medicine Residency Program, Aurora, CO (Apr 10, May 29, 2019).
117. * Axial Spondyloarthritis Management Overview. SPondyloArthritis Research and Treatment Network (SPARTAN) 16th Annual Research & Education Meeting [Trainee symposium]. Madison, WI (May 2, 2019).
118. TNFi drug persistence in Inflammatory Bowel Disease. Rheumatology Journal Club (& Research) Conference, University of Colorado School of Medicine. Aurora, CO (May 14, 2019).
119. Caplan Lab Ongoing Research. VA Denver-Seattle Center for Innovation for Veteran-centered, Value-driven CaRe (DiSCoVVeR) Trainee Works In Progress. Rocky Mountain Regional Veterans Affairs Medical Center. Aurora, CO (May 21, 2019).
120. Introduction to Research. Summer Research Students Lecture Series. University of Colorado School of Medicine. Aurora, CO (Jun. 11, 2019).
121. * Guideline Disclosure / Conflict of Interest Analysis. Guideline Chair presentation at the American College of Rheumatology Board of Directors Meeting. Atlanta, GA. (Aug. 10, 2019)
122. Introduction to Clinical Trial Design and Epidemiology: Rheumatology Perspective. Rheumatology Fellows Clinical Trials Design Series. University of Colorado School of Medicine. Aurora, CO (Jan. 07, 2020).
123. * Rheumatology Comparative Effectiveness Research. Cochrane Skin Annual Meeting: Dermatology Comparative Effectiveness Over the Past Decade. University of Colorado School of Medicine. Aurora, CO (Mar. 18, 2020). [delivered via Zoom due to SARS-COV-2 pandemic]
124. * SPARTAN Business Address. SPondyloArthritis Research and Treatment Network (SPARTAN) 17th Annual Research & Education Meeting [Trainee symposium]. Madison, WI (May 14, 2020). [delivered via Zoom due to SARS-COV-2 pandemic]
125. Introduction to Research. Summer Research Students Lecture Series. University of Colorado School of Medicine. Aurora, CO (Jun. 9, 2020).
126. Using databases for research: biorepositories and registries. Research track lecture series. University of Colorado Internal Medicine Residency Program, Aurora, CO (Jul 29, Aug 26, 2020).
127. Pathogenesis of spondyloarthritis. Rheumatology Fellows Scientific Basis of Rheumatic Disease Lecture Series. University of Colorado School of Medicine. Aurora, CO (Mar. 10, 2021).

128. * Overview of Axial Spondyloarthritis Management. SPondyloArthritis Research and Treatment Network (SPARTAN) 18th Annual Research & Education Meeting [Trainee symposium]. Madison, WI (May 19th, 2021). [delivered via Zoom due to SARS-COV-2 pandemic]
129. Introduction to Research. Summer Research Students Lecture Series. University of Colorado School of Medicine. Aurora, CO (Jun. 22, 2021). [delivered via Zoom due to SARS-COV-2 pandemic]
130. * Clinical Studies of Axial Spondyloarthritis/Ankylosing Spondylitis. Arthritis National Research Foundation (ANRF) Webinar Series. (Nov. 3, 2021)
131. High prevalence of previously undiagnosed axial spondyloarthritis in patients referred with anterior uveitis and chronic back pain. Rheumatology Journal Club (& Research) Conference, University of Colorado School of Medicine. Aurora, CO (Mar. 1, 2022).
132. * Imaging in axial spondyloarthritis: basics and emerging trends. Jane Knight Lowe lecturer. 65th Annual UAB Lowe Conference. Birmingham, AL (Sep. 23-25, 2022 [previously postponed due to COVID]).
133. * Recent Advances in Spondyloarthritis: Mechanisms, Medications, and Merging of Care. Jane Knight Lowe lecturer. 65th Annual UAB Lowe Conference. Birmingham, AL (Sep. 23-25, 2022 [previously postponed due to COVID]).
134. Using databases for research: biorepositories and registries. Research track lecture series. University of Colorado Internal Medicine Residency Program, Aurora, CO (Nov. 30, 2022; Jan. 25, 2023).
135. Spondyloarthritis. Physical Medicine & Rehabilitation Service Resident Series. University of Colorado School of Medicine. Aurora, CO (Jan. 11, 2023).
136. * Recent Advances in Spondyloarthritis: Mechanisms, Medications, and Merging of Care. American Uveitis Society Winter Symposium 2023. Park City, UT (Jan. 14-16, 2023).
137. Optimizing med management: The Secondary Event Prevention using Population Risk Management After Percutaneous Coronary Intervention (SEPPRMACI-ARM) Study. Rheumatology Research Conference, University of Colorado School of Medicine. Aurora, CO (Jan 24, 2023).
138. A totally weak case. Problem Case Conference. University of Colorado School of Medicine. Aurora, CO (Jan 31, 2023).
139. Innovations in medication management: The Secondary Event Prevention using Population Risk Management After Percutaneous Coronary Intervention (SEPPRMACI) Study and Beyond. Department of Medicine Research and Innovation Conference. University of Colorado School of Medicine. Aurora, CO (Feb. 28, 2023).

Pending Presentations:

140. * TBD (? Emerging opportunities to optimize care in axial spondyloarthritis). Internal Medicine Grand Rounds. University Hospitals (Case Western Reserve). Cleveland, OH (Apr. 18, 2023)
141. Update of ACR-SPARTAN-SAA Treatment Recommendations. SPondyloArthritis Research and Treatment Network (SPARTAN) Annual Meeting. Cleveland, OH (May 19-20, 2023).
142. * New guidelines for treatment of spondyloarthritis: methods of development and opportunities and challenges in precision medicine. Precision Medicine in Autoimmunity 2020. Denver, CO (Mar. 12-13, 2020). [postponed due to COVID]

Interviews/Press Conferences

1. Lewis S. Rheumatoid arthritis and cardiovascular disease [Interview]. U.S. Medicine. 2011; 47(10). (Interview conducted Sept. 7, 2011).
2. Gebhart F. Axial spondyloarthritis treatment guidelines [Interview]. ACR Daily News. 2014 Friday/Saturday: (Interview conducted Sept. 2, 2014).
3. Barnard C. Sustained benefits of secukinumab in ankylosing spondylitis. MedwireNews. Springer Healthcare UK. 9/11/17 (Interview conducted Nov. 10, 2017).

<https://rheumatology.medicinematters.com/ankylosing-spondylitis-/secukinumab/sustained-benefits-of-secukinumab-in-ankylosing-spondylitis/15204512>

4. Goodman A. Psoriatic Arthritis treatment guidelines. Arthritis Today. (Interview conducted Nov. 11, 2017).
5. Hickman RJ. The Why & What of the ACR's Clinical Practice Guidelines. The Rheumatologist. Feb 18, 2018 (Interview conducted 12/18/17). <http://www.the-rheumatologist.org/article/acrs-clinical-practice-guidelines/>

Projects Submitted for Research Support:

Department of Veterans Affairs, Biological Science and Laboratory Research and Development Service
Merit Review (Harley PI)

Ongoing Research Support: (most recent first)

CDA 20-XXX (1IK2 BX005808-01A1) Harley I (PI) 07/01/23-06/30/28 [Project Funds]

Department of Veterans Affairs, Biomedical Laboratory Research and Development Service

“Defining the Molecular Basis of MicroRNA-146A Risk Allele Effects in Systemic Lupus Erythematosus”

VA Career Development Award-2

This grant seeks to define the mechanisms that maintain the tolerance of autoreactive B-cells to self-antigen in the periphery and fail during development of autoimmunity. The proposed work will dissect the role of the small non-coding RNA, microRNA-146A (MIR146A) in B-cell anergy.

Role: Secondary Mentor, co-Investigator

Number not assigned O'Donnell, Tsao (PI) 10/01/21-9/30/24 [37.5%]

NIH (via Palo Alto Veterans Institute for Research/Denver Research Institute)

“VA All of Us Research Program”

The parent grant seeking to gather data and biospecimens from one million or more human participants to accelerate health research and medical breakthroughs as well as advance precision medicine. This sub-award provides support for local infrastructure to recruitment and enrollment.

Role: co-Investigator, site Principal Investigator

Number not assigned Napier (PI) 05/1/21-04/30/23 [1%; in kind]

Arthritis National Research Foundation

“Understanding how the CARD9-neutrophil-Th17 axis controls ankylosing spondylitis (AS)”

Using both murine models of arthritis and specimens from patients, this grant will elucidate (1) the cellular mechanisms by which CARD9 controls neutrophils in experimental AS; and (2) translate our findings to human disease by investigating the role of CARD9 in controlling neutrophils from AS patients.

Role: co-Investigator

Number not assigned Maksymowych (PI) 05/21/20-05/20/23 [5%]

SPondyloArthritis Research and Treatment Network (SPARTAN)

“Classification of Axial Spondyloarthritis Inception Cohort (CLASSIC)”

This grant will test (“validate”) the performance of the current Assessment of SpondyloArthritis International Society (ASAS) classification criteria in a prospective cohort of patients presenting to a rheumatologist in North America with undiagnosed current back pain.

Role: co-Investigator, site Principal Investigator

Number not assigned Raghavan S (PI) 07/01/20-6/30/24 [Project Funds]

University of Colorado School of Medicine Department of Medicine

“Leveraging genetic variation to improve type 2 diabetes prediction and care”

Outstanding Early Career Scholars Program Application

Executes studies demonstrating the use of genetic information to personalized diabetes care. Using large RCT and observational data sets, Dr. Raghavan will evaluate how diabetes genetic risk can inform lifestyle modification goals, test the utility of diabetes genetic risk information to guide drug therapy, and elucidate the relationship between diabetes and somatic genetic variation.

Role: Primary Mentor, co-Investigator

CDA 18-XXX (1 IK2 CX001907-01) Raghavan S (PI) 01/01/19-12/31/23 [Project Funds]
Department of Veterans Affairs, Clinical Science Research and Development Service
“Machine learning and longitudinal analyses of metformin response among veterans”
VA Career Development Award-2

A prediction tool for individualized metformin therapy in Veterans with Type 2 Diabetes (T2D) will be developed and validated. The study will then test whether applying prediction models to guide risk-based selection of initial diabetes treatment might have clinical benefits for patients.

Role: Primary Mentor, co-Investigator

Number not assigned Caplan L (PI) 09/01/15-08/31/23 [Project Funds]
Fidelity Charitable Gift Fund (CU Foundation)
“Studies in individual at-risk for spondyloarthritis”
Foundation Donation

This supports a series of investigations using magnetic resonance imaging and analysis of the intestinal microbiome of patients at-risk for developing spondyloarthritis. This research is partnered with Cedars-Sinai Medical Center.

Role: Co-Principal Investigator

Number not assigned Caplan L (co-PI) 11/01/19-10/31/25 [Project Funds]
Shear Family Foundation
“Grant to the University of Colorado Program for Advancing Spondyloarthritis Treatment (U.C.PAST)”
Foundation Donation

This supports a series of investigations to advance diagnostics, education, and infrastructure related to spondyloarthritis.

Role: Principal Investigator

Completed Research Support:

Number not assigned Sen Rouhin (PI) 05/15/20-05/14/21 [1%; in kind]
Spondyloarthritis Research and Treatment Network
“Neutrophil/lymphocyte ratio and platelet/lymphocyte ratio as a biomarker in axial spondyloarthritis”
Fellowship Research Pilot Award

Goal is to evaluate the relationship between NLR/PLR and disease activity, treatment, as well as magnetic resonance imaging in axial spondyloarthritis (axSpA).

Role: Primary Mentor, co-Investigator

Number not assigned Caplan L (PI) 07/01/11-06/30/21 [Project Funds]
Department of Veterans Affairs, Office of Academic Affiliations
“Rheumatology Fellowship Research Year”

Veterans Affairs Graduate Medical Education Enhancement Award (Critical Needs Specialties)

This supports a year of research based at the Denver Veterans Affairs Medical Center for rheumatology fellows participating in the ACGME-accredited University of Colorado School of Medicine (UC Denver, UCD) rheumatology fellowship.

Role: Principal Investigator, Primary Mentor

IIR 14-048-3 (1 I01 HX001604-01A2) Caplan L (PI) 09/01/16-09/30/21* [37.5%]

Department of Veterans Affairs, Health Services Research and Development Service
“Secondary Event Prevention using Population Risk Management After PCI and for Anti-Rheumatic Medications” (VA SEPPRMACI-ARM)

Merit Review

This multi-site interventional study consists of proactive real-time medication adherence monitoring of patients and targeting of non-adherent individuals. The intervention employs a tailored, escalating-intensity approach that capitalizes on new technologies.

Role: Principal Investigator

* End date of 8/31/20 extended due to COVID [no cost through 9/30/21]

Number not assigned Ed Janoff (PI) 08/01/19-07/31/20 [Project Funds]

VA Shared Equipment Evaluation Program (SHEEP)

This grant supports the purchase of a comprehensive integrated sample and data management system, comprising a TubeWriter 360 printer and a FreezerWorks Laboratory Information Management System (LIMS). This system will be used by a wide spectrum of basic, translational and clinical research labs to enhance the productivity and research capabilities of VA investigators using best practices for data and sample management.

Role: co-Investigator, major user

17MCPRP33670728 Raghavan (PI) 7/1/17-6/30/19 [Project Funds]

American Heart Association

“Defining and implementing optimal glycemic control in patients with diabetes and coronary artery disease”

Winter 2017 Mentored Clinical & Population Research Award

The goal of the proposed research is to advance our understanding of optimal treatment strategies that maximize benefit and minimize harm for individuals with diabetes and coronary artery disease.

Specifically, we will describe beneficial and harmful hemoglobin A1c trajectories after CAD diagnosis, identify specific patient subpopulations at increased mortality risk, and develop a pilot intervention to reduce harm to high risk individuals.

Role: Co-Investigator, Secondary Mentor

Number not assigned Wood P (PI) 4/1/17-3/31/18 [Project Funds]

VA Innovators Network

“Synchronous Tele-medicine rheumatology follow-up care to a rural VISN site”

Spark Grant

This study proposes to examine the feasibility of utilizing economical temperature probes (laser-based surface thermography performed by non-physician telehealth technicians) to replace in-person joint counts by rheumatologists in order to demonstrate the potential of novel telehealth approaches as a test case for the delivery of care in a critically underserved medical condition (inflammatory arthritis).

Role: Senior Investigator/Primary Mentor

CDA 07-221 Caplan L (PI) 7/1/09-7/30/14 [75%]

Department of Veterans Affairs, Health Services Research and Development Service

“Preventing long-term adverse drug reactions: glucocorticoids as a model”

VA Career Development Award-2

This study will attempt to develop a model of provider compliance with measures to prevent glucocorticoid induced osteoporosis, using qualitative research methods. It then develops a real-time decisional support intervention to improve provider practice.

Role: Principal Investigator

AWD-110232 Davis LA (PI) 7/1/11-6/30/14 [Project Funds]

American College of Rheumatology/Research and Education Foundation
“Pharmacoepidemiologic methods and genetic polymorphisms”

Rheumatology Scientist Development Award

The purpose of this grant is to assess whether incorporation of novel pharmacoepidemiologic methods improves the modeling of methotrexate absorption, distribution, metabolism, and excretion polymorphisms and methotrexate-associated adverse drug events.

Role: Primary Mentor

XVA 54-001 Quinzanos I (PI) 7/1/12-6/30/13 [Project Funds]

VA’s Colorado Research Enhancement Award Program to Improve Care Coordination

“Health literacy and patient assessment of disease activity in older subjects with spondyloarthropathy and rheumatoid arthritis”

Pilot Grant

This project explores the literacy and numeracy burdens of the standard written patient global assessment by visual analogue scale (PGA-VAS) in veterans with rheumatoid arthritis and spondyloarthritis. The study also determines which factors predict disagreement between the standard written PGA-VAS and a verbally obtained PGA-VAS.

Role: co-Principal Investigator

Number not assigned Hirsh (PI) 7/1/11-1/1/13 [Project Funds]

Denver Health

“Talk the line: Is there agreement between patient global assessments of rheumatoid arthritis disease activity when assessed by written VAS or verbally”

Investigator Initiated Study

The study’s primary objective is to establish the criterion validity of a verbally obtain patient global assessment (PGA) of rheumatoid arthritis disease activity that is read to patients (including over-the-phone communication) with a verbal numeric response.

Role: Statistical consultant

CDP-09-388 Caplan L (PI) 9/1/09-8/31/12 [Project Funds]

Department of Veterans Affairs, Health Services Research and Development Service

“Project Funds in support of Preventing long-term adverse drug reactions: glucocorticoids as a model”

VA Career Development Program Project Funds

This grant provides project funds in support of a VA Career Development Award (listed above). The study used qualitative and quantitative methods to develop a model of provider compliance with measures to prevent glucocorticoid induced osteoporosis.

Role: Principal Investigator

LIP 85-004 Davis LA (PI) 7/1/11-6/30/12 [Project Funds]

VA’s Colorado Research Enhancement Award Program to Improve Care Coordination

“Cleaning of pharmacy data to understand the role of immunosuppression in cardiovascular disease among patients with psoriasis and psoriatic arthritis”

Pilot Grant

This grant develops and test a software-based algorithms for automatically detecting and correcting statistical outliers within methotrexate and anti-TNF pharmacy data. The resulting “cleaned” data are then used to determine if exposure to methotrexate or anti-TNF therapy diminishes the risk of myocardial infarction, stroke and death in patients with Ps/PsA.

Role: co-Principal Investigator

Number not assigned Lin CT (PI) 7/1/10-6/30/11 [Project Funds]

University of Colorado Hospital

“APSO notes to improve Readability of Electronic Health Records (EHR)”

Primary Care Strategic Initiative

The major goal of this project is to evaluate the readability of physician progress notes, construct a Readability Index, and examine behavioral change by physicians with regard to documentation. The project relies upon a new note format to improve EHR usability and readability of patient information.

Role: Co-Investigator

IAF 06-026-2 McDonald J (PI) 9/15/07-3/31/11 [18%]

Department of Veterans Affairs, Health Services Research and Development Service

“Using VA Databases to Identify Drug Adverse Events & Their Cost Impact”

Merit Review (Includes supplemental extension with funding)

This study will attempt to develop a methodology for validating pharmacologic adverse event signals discovered in an administrative database, and calculating the potential costs of these adverse events.

Role: Co-Investigator

9600-79933-1127 Cunningham F (PI) 7/1/08-6/30/09 [Project Funds]

U.S. Food and Drug Administration (FDA), Center for Drug Evaluation and Research

“Bisphosphonate potential adverse drug reactions”

Interagency Agreement

This funding from the US FDA Office of Surveillance and Epidemiology provides support for consulting and direct costs associated with health services research performed using Department of Veterans Affairs data to evaluate for potential adverse drug reactions related to bisphosphonate use.

Role: Co-Investigator

0802-094-DW West D (PI) 3/01/08-2/28/10 [6%]

Rocky Mountain Chapter of the Arthritis Foundation

“Just Diagnosed Project Plan”

This study develops the “Just Diagnosed” education concept into a national, evidence-based program for use by patients, patient families, providers, and other’s with an interest in assisting individuals that have been diagnosed with rheumatoid arthritis.

Role: Co-Investigator

PN200808-075 [0808-075] Caplan L (PI) 7/1/08-3/31/09 \$24,250

VA’s Colorado Research Enhancement Award Program to Improve Care Coordination

“Project Support for VARA study”

Pilot Grant

This grant provides support for direct costs associated with health services research performed at the Denver Veterans Affairs Medical Center, including studies of rheumatoid arthritis (VARA biologic and clinical registry).

Role: Principal Investigator

PN200709-051 Caplan L (PI) 7/1/07-6/30/08 \$43,188

VA’s Colorado Research Enhancement Award Program to Improve Care Coordination

“Project Support for GIO studies”

Pilot Grant

This grant provides support for direct costs associated with health services research performed at the Denver Veterans Affairs Medical Center, including studies of glucocorticoid induced osteoporosis (GIO).

Role: Principal Investigator

PN200507-215 Caplan L (PI) 11/1/05-10/31/07 \$164,500

American College of Rheumatology/Research and Education Foundation

“Assessing the Risk of Interstitial Lung Disease in patients with Rheumatoid Arthritis”

Clinical Investigator Award

This study will attempt to quantify the risk factors for developing Interstitial Lung Disease in patients with Rheumatoid Arthritis who receive care from the Veteran Administration facilities.

Role: Principal Investigator

5T32 AR07279-27

Yokoyama W (PI)

7/1/03 – 6/30/05

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NIH/NIAMS

“Immunobiology of Rheumatic Disease: Examining the Role of the Adaptor Protein SAP in Murine Lupus”

Training Grant

Performed benchwork characterizing the adaptor protein SH2D1A--a novel target in murine models of systemic autoimmunity (lupus).

Role: Co-Investigator/Research Fellow

GB Doc 063515; Fund 3076-38001

Wolfe F (PI)

7/1/03 – 6/30/04

\$20,000

Arthritis Research Center Foundation

“Adverse Events Associated with the use of Steroids in Rheumatoid Arthritis”

CHORD Fellowship Grant

Evaluated the adverse events profile of prednisone use among a large national cohort of patients with rheumatoid arthritis.

Role: Co-Investigator/Research Fellow

Awarded Research Support (declined):

Number not assigned

Caplan L (PI)

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\$374,338

American College of Rheumatology/Research and Education Foundation

“Decisional Support to Prevent Osteoporosis from Steroids”

Rheumatology Investigator Award

This study would develop a real-time decisional support intervention to prevent glucocorticoid induced osteoporosis, using local electronic medical record data.

Role: Principal Investigator

Skills/Interests:

Proficiency in: Stata, SPSS, word processing, desktop publishing, database/spreadsheet management, presentation design, and computer-aided illustration, 50 wpm

Spanish, Hebrew (colloquial)

Personal Information:

Born in Klerksdorp, South Africa

Naturalized Citizen of the United States of America

Married with one daughter and one son