**Layne Dylla, MD, PhD**

**Education:**

2018 – 2020 University of Rochester School of Medicine, Master’s in Clinical Science Investigation, Rochester, NY

2008 – 2015 Doctor of Medicine, University of Colorado School of Medicine, Aurora, CO

2008 – 2015 Doctor of Philosophy – Cancer Biology, University of Colorado Denver, Aurora, CO

2003 – 2007 Bachelor of Science – Microbiology, Minors in Biochemistry and

Spanish, New Mexico State University, Las Cruces NM

**Postdoctoral and Fellowship Training:**

2018 – 2020 Society for Academic Emergency Medicine (SAEM)-Approved

Research Fellowship, University of Rochester, Rochester, NY

2018 – 2019 Experimental Therapeutics Fellowship, University of Rochester, Rochester, NY

2018 NINDS Clinical Trials Methodology Course, University of Michigan, Ann Arbor, MI

2015 – 2018 Resident in Emergency Medicine, University of Rochester, Rochester, NY

**Board Certification and Medical Licensure:**

2018 – Present New York State License #292767-1

2018 – Present DEA Registration #FD7393945

2019 – Present Diplomate, American Board of Emergency Medicine – Emergency

Medicine (expires 12/31/2029

**Professional Certifications:**

Various – Present Advanced Cardiac Life Support

Pediatric Advanced Life Support

Advanced Trauma Life Support

Emergency Neurological Life Support

Stop the Bleed Instructor

Collaborative Institutional Training Initiative – Human Research

Certificate

2005 National Registry of EMT-Basic Certification

2005 New Mexico EMT-Basic Certification

**Faculty Appointments**

July 1, 2020 Assistant Professor, University of Colorado School of Medicine,

Department of Emergency Medicine, Aurora, CO

2018 – 2020 Clinical Instructor, University of Rochester Department of Emergency Medicine, Rochester, NY

2018 – 2020 Clinical Instructor, University of Rochester Department of Neurology, Rochester, NY

**Honors and Awards:**

2019 Greater Rochester Quality Council Performance Excellence Silver Award, Team Excellence Category. University of Rochester Stroke Lean Team.

2018 University of Rochester Emergency Medicine Residency Program, Resident Research Award

2018 University of Rochester Emergency Medicine Residency Program, Outstanding Community Service Award

2017 University of Rochester, UR Team Star Award, 4th Annual Institute for Innovative Education Team Based Care Summit, “Educational Interventions to Increase Emergency Medicine Provider Compliance with Urine Culture Collection and Antibiotic Prescribing Guidelines to Reduce the Treatment of Asymptomatic Bacteriuria”

2006 – 2007 Research trainee, (MARC-U\*STAR) Minority Access to Research Careers

2003 – 2007 Dean’s List, NMSU, College of Arts and Sciences

2003 – 2007 Crimson Scholar, NMSU, Fall 2003-Spring 2007

2004 – 2007 Continental Divide Electric Education Foundation Scholarship Recipient

2006 ADVANCE Student Researcher Scholarship Recipient

**Service and Leadership in National Professional Organizations:**

2019 – Present Society for Academic Emergency Medicine (SAEM) Research Committee Member

2017 – Present American College of Emergency Physicians (ACEP) Research Committee Member,

2017 – Present SAEM Faculty Development Committee Member

2018 American Journal of Emergency Medicine Reviewer

2017 – 2018 **Emergency Medicine Residency Association Research Committee**

**Service and Leadership in State Professional Organizations:**

2016 – Present New York American College of Emergency Physicians (NY ACEP) Research Committee Member

**Other Administrative Service:**

*Interdepartmental*

2019 – 2020 Interdepartmental Stroke Council, Emergency Department Representative, Rochester, NY

2018 – 2020 University of Rochester Medical Center Door-to-tPA Lean Team Emergency Department Representative, Rochester, NY

2018 – 2020 Emergency Medicine – Neurology liaison, University of Rochester Medical Center, Rochester, NY

*Departmental*

2016 – 2020 Department of Emergency Medicine, University of Rochester Medical Center, Community Outreach Leader

2015 Department of Emergency Medicine Representative, University of Rochester Medical Center, LCME Site Visit

2014 – 2015 Class of 2015 Integrated Clinicians Course Representative, University of Colorado School of Medicine

2014 – 2015 Class of 2015 Representative, University of Colorado – Anschutz

Medical Campus Student Senate

2012 – 2013 President and Founder, "HANDDS” – Identifying High Arrest Neighborhoods to Decrease Disparities in Survival Interdisciplinary Student Organization, University of Colorado Anschutz Medical Campus

2012 Organizer, First Annual AED Scavenger Hunt in Denver, CO

2012 Cancer Biology Program Annual Retreat Organizing Committee

Member

2011 26th Annual National MD/PhD Student Conference Organizing

Committee Member

2010 University of Colorado Anschutz Medical Campus Representative

at the American Indian Science and Engineering Society National Conference

**Membership in Academic and Professional Organizations:**

2018 – Present Member, American Heart Association

2015 – Present Member, Society for Academic Emergency Medicine

2012 – PresentMember, American College of Emergency Medicine Physicians

**Educational Contributions:**

*Mentorship:*

2019 – 2020 Chastity Chavez

Career Mentor, University of Rochester Department of Neurology PreDoc Program

*Courses/Lectures:*

*Resident Education*

2019 “Stop the Bleed”, University of Rochester Emergency Medicine Advanced Practice Providers Conference

2019 “Blunt Head Injury and Intracerebral Hemorrhage”, University of Rochester Emergency Medicine Residency

2019 “Acute Decompensated Heart Failure”, University of Rochester Emergency Medicine Residency

2019 “Staying Involved in Acute Stroke Care”, University of Rochester

Emergency Medicine Residency

2019 “Cases in Acute Stroke”, Joint Emergency Medicine and Neurology Conference

2019 Monthly University of Rochester Joint Emergency Medicine and Neurology Mock Stroke Alerts

2018 “How to Lead a Journal Club”, University of Rochester Emergency Medicine Residency

2018 “Ultrasound of the Day – Ectopic Pregnancy”, University of Rochester Emergency Medicine Residency

2018 “Radiology of the Day – The Case of a AAA as a Trauma Alert”, University of Rochester Emergency Medicine Residency

2017 “RAMPART” – Emergency Medicine Residency Journal Club

2016 “True Stories in the SMH ED – the Case of the Disappearing Platelets”, University of Rochester Emergency Medicine Residency

*Medical Student Education*

2017 Wilderness Medicine Course Elective, Instructor

2015 “Lightening Strikes – Prevention and Treatment of Lightening Injuries”, University of Rochester Medical Center, Wilderness Medicine Interest Group Fall Skills Training Session

*Undergraduate Education*

2017 “What’s Up Doc – Basic Emergency Medicine Triage and First Aid” – University of Rochester What’s Up Doc Program

*Community Outreach and Education*

2017 – Present Stop the Bleed Training – Rochester City School District

2012 – 2013 Volunteer Educator, Shopping Matters Colorado

2012 – 2013 Instructor, HANDDS First Aid and CPR Community Presentations

**Publications:**

*Under Review:*

Dylla L., Adler, D., Abar, B., Benesch, C., Jones, C., O’Banion, K., Cushman, J.T. (2019)

Prehospital Supplemental Oxygen for Acute Stroke – a Retrospective Analysis. *American Journal of Emergency Medicine.*

Dylla, L., Sucharew, H., Kleindorfer, D., Alwell, K., Kissela, B.M., Moomaw, C.J.,

Flaherty, M.L., Ferioli, S., Mackey, J., De Los Rios La Rosa, F., Martini,

S.M., Adeoye, O., Woo, D.(2019). Analysis of Current Practices of

Prehospital Supplemental Oxygen Use in Acute Stroke; Population-based Study. *Prehospital and Disaster Medicine.*

*In Press:*

Dylla, L., Acquisto N.M., Manzo F., Cushman J.T. (2018) Dexamethasone related

perineal burning in the prehospital setting: A case series. *Prehospital Emergency*

*Care*, Feb:1-4.

Dylla, L. Zeller, J., Lu, M., Bodkin R. (2018). Ruptured Abdominal Aortic Aneurysm as a

Cause of Trauma.  *International Journal of Internal and Emergency Medicine.*

1(1): 1003-1006.

Dylla, L., Saulle, M., Daingerfield, E., Jones, C., & Bodkin, R. (2017). Along the Colorado

Trail: Assessing the average hiker’s knowledge of altitude sickness. *American*

*Journal of Emergency Medicine*, S0735-6757(17):30815. PMID 2903345

Abar, B., Dylla, L., Sergeant, M., Pasternack, J., Adler, D. (2017) Assessing adherence

with preventative screening recommendations among ED patients: Piloting an

effective use of wait time. *American Journal of Emergency Medicine*, S0735-6757(17):30800-8. PMID 28978401

Dylla L., Abar B., Williamson A.L., Meiring T., Bekker L.G., Adler D.H. (2017) Human

Papillomavirus Clustering Patterns Among HIV-infected and HIV-uninfected

Adolescent Females in South Africa. *Journal of AIDS and HIV Research*.

9(10):202-206.

Dylla L., Marks L., O’Connor TP. (2017). Ectopic pregnancy – Too large to be true?

*Visual Journal of Emergency Medicine*. 6:76-77

Dylla L., Moore C., Jedlicka P. (2013). MicroRNAs in Ewing Sarcoma. *Frontiers in Pediatric Oncology*. 3(65). eCollection. PMID:23543617

Dylla L., Jedlicka P. (2013). Growth-Promoting Role of the miR-106a~363 Cluster in

Ewing Sarcoma. *PlosOne*. 8(4):e63032. PMID:23638178

O’Keefe D.D., Gonzalez-Nino E., Burnett M., Dylla L., Lambeth S.M., Licon E.,

Amesoli C., Edgar B.A., Curtiss J. (2009). Rap1 maintains adhesion between cells to affect Egfr signaling and planar cell polarity in Drosophila. *Developmental*

*Biology*. 333(1):143-60. PMID:19576205

**Meetings, Abstracts, Presentations:**

Dylla, L., Sucharew, H., Kleindorfer, D., Alwell, K., Kissela, B.M., Moomaw, C.J.,

Flaherty, M.L., Ferioli, S., Mackey, J., De Los Rios La Rosa, F., Martini,

S.M., Adeoye, O., Woo, D.(2019). Analysis of Current Practices of

Prehospital Supplemental Oxygen Use in Acute Stroke; Population-based Study. *2019 Society for Academic Emergency Medicine Annual Meeting*. Las Vegas, NV.

Dylla, L., Zammit, C., Jones, C., Cushman, J., Rueckmann, E. (2019) A nationwide

survey of EMS stroke severity screening and triage practices. *National*

*Association of EMS Physicians 2019 Annual Meeting.* Austin, TX.

Dylla L., Miglani A., and Pasternack J. (2018) Connecting with the Community. *Council*

*of Emergency Medicine Residency Directors (CORD) Academic Assembly 2018,*

San Antonio, TX.

Dylla L. (2017) My Path Through Research to Emergency Medicine Residency. *NY*

*ACEP Resident Research Conference,* New York, NY

Dylla L., Saulle M., Daingerfield E., Bodkin R., and Jones C. (2017) Along the Colorado

Trail: Assessing the average hiker’s knowledge of altitude sickness symptoms,

prevention methods and treatment. *Society for Academic Emergency Medicine*

*2017 Annual Conference*, Orlando, FL

Gorodetsky R., Dylla L., Schult R., Purcell M., Wiegand T. (2016) Prostaglandin E1

overdose in a term neonate with congenital heart disease. *North American*

*Congress of Clinical Toxicology,* Boston, MA.

Dylla L. (2012). Growth promoting roles of the miR-17~92a, miR-106b~25, and

miR-106a~363 clusters in Ewing Sarcoma. *University of Colorado Medical Scientist Training Program*, Aurora, CO.

Dylla L. (2012). The role of the miR-17~92a, miR-106b~25, and miR-106a~363

paralogous clusters in Ewing Sarcoma. *University of Colorado MedicalScientist Training Program*, Aurora, CO.

Dylla L., Jedlicka P. (2012). The role of the miR-17~92a, miR-106b~25 and miR-

106a~363 oncomiR clusters in Ewing Sarcoma. *University of Colorado Cancer Biology Retreat,* Estes Park, CO

Dylla L., Jedlicka P. (2012). The role of the miR-17~92a, miR-106b~25 and miR-

106a~363 oncomiR clusters in Ewing Sarcoma. *University of Colorado Cancer Center Symposium,* Aurora, CO

Dylla L. (2010-2012). Annual update of the role of the miR-17~92a, miR-

106b~25, and miR-106a~363 clusters in Ewing Sarcoma. *Pathology*

*Grand Rounds, University of Colorado.* Aurora, CO.

Dylla L. (2011). OncomiR clusters in Ewing Sarcoma. *University of Colorado*

*Medical Scientist Training Program*, Aurora, CO.

Dylla L. (2010). OncomiRs in Ewing Sarcoma. *University of Colorado Medical*

*Scientist Training Program*, Aurora, CO.

Dylla L., Jedlicka P. (2010). MiR-17~92 paralogous clusters in Ewing Sarcoma. *MSTP*

*25th Anniversary Celebration Poster Presentation,* Aurora, CO.

Dylla L., Jedlicka P. (2010). OncomiRs clusters in Ewing Sarcoma. *Cancer Biology*

*Retreat Symposium Poster Presentation.*Aurora, CO.

Dylla, L., Gonzales-Nino, E., Curtiss, J. (2007). Epidermal Growth Factor Receptor

(Egfr) regulated cell adhesion in *Drosophila melanogaster* eye-antennal and wing

imaginal discs. *Annual Drosophila Research Conference.,* Philadelphia, PA.

Dylla, L., Gonzales-Nino, E., Curtiss, J. (2007) Epidermal Growth Factor Receptor (Egfr)

regulated cell adhesion in *Drosophila melanogaster* eye-antennal and wing

imaginal discs. *New Mexico State University Undergraduate Research and*

*Creative Arts Symposium,* Las Cruces, NM.

Dylla, L., Villanueva, Z., Curtiss, J., Mlodzik, M. (2006). A role for Egfr in promoting

antennal Dll expression. *Annual Drosophila Research Conference*, Houston, TX

Dylla, L., Villanueva, Z., Curtiss, J., Mlodzik, M. (2006) A role for Egfr in promoting

antennal Dll expression. *New Mexico State University Biology Symposium,* Las Cruces, NM.

**Grant Funding:**

2019 – Present American Heart Association Career Development Award –19CDA34660039 – The role of hyperoxia in the Emergency Department Treatment of Acute Ischemic Stroke

2019 – Present NINDS Clinical Loan Repayment Program - The role of hyperoxia in the Emergency Department Treatment of Acute Ischemic Stroke

2018 – 2019 URMC Experimental Therapeutics NIH Training Grant –

T32-NS007338. The role of supplemental oxygen in the prehospital and ED setting for acute stroke

2018 NINDS Clinical Trials Methodology Course – R25 NS008248. The role of hyeroxia in the Emergency Department Treatment of Acute Ischemic Stroke.