

Benjamin Rayikanti

Education:

Anesthesiology Residency: University of California San Diego Department of Anesthesiology-
December 2017-June 2020

Anesthesiology Residency: University of Arizona (Tucson, AZ) Department of Anesthesiology-
July 2017-December 2017

Internship, Tucson Medical Center, Tucson, AZ, June 2017

M.D., University of Vermont College of Medicine, Burlington, VT, May 2016

B.S., University of San Francisco, San Francisco, CA, Cum Laude, Biology, 2012

High School Diploma, The Urban School of San Francisco, San Francisco, CA, 2008

Honors/ Awards:

Spring 2014-Fall 2013, Winston Sargent Medical Scholarship

Spring 2014-Fall 2013, William Street, MD Scholarship

Spring 2012 Honorable Mention, Edward Kessel Award

Spring 2012 Humanities Honors Program, University of San Francisco

Spring 2011, Arthur Furst Scholarship for undergraduate research

Fall 2009, Recipient of the Raoul Teilhet Scholarship

Research Experience:

Co-investigator: December 2016-Present in the lab of Dr. John Rozich MD, Chief of Cardiology at VA in Southern Arizona

- Developed a website: www.checkmed.net- a mobile application for medical checklists

Research Assistant: March 2016-July 2016 in the lab of Dr. Dexter Hadley MD PhD, Professor of Pediatrics at UCSF

- Computational analysis for novel melanoma biomarkers

Co-investigator: July 2014- February 2016 in the lab of Dr. Ted James, MD, Professor of Surgical Oncology at UVM

- Developed a database, website, and mobile application in helping patients find access to highly specialized medical services

Co-investigator: August 2013- May 2016 in the lab of Dr. Donald Leopold, MD, Professor of Otolaryngology at UVM.

- Determining the nasal mucus optical density of Cystic Fibrosis, Chronic Rhinosinusitis, and allergic patients

Co-investigator: July 2014- June 2015 in the lab Dr. Clarence Ivie, Professor of Anesthesiology at UVM

- Worked on looking at the effects of ACE inhibitors and post-operative pain by bradykinin

Principal Investigator: December 2013- March 2014 t in the department of Family Medicine

- “HPI-” a mobile data application in helping patients gather their history of present illness

Research Assistant: June 2010-May 2016 in the lab of Dr. Hobart Harris MD, MPH, Chief of General Surgery at UCSF

- Immunomodulation of severe sepsis

Research Assistant: July 2009-June 2012, with Zlakto Devcic, UCSF medical student, in the department of Head and Neck Surgery at UCI, the Principle Investigator is Dr. Brian Wong MD, PhD

- Assessing ethnic-specific concepts of facial beauty

Research Assistant: June 2009-August 2009, with Principle Investigator Naomi Bardach Fellow, Pediatrics and Health Policy at UCSF General Pediatrics and Institute for Health Policy Studies

- Chart review on the accuracy of MRSA and MSSA codes

Student Volunteer: May 2009-May 2012, worked in lab under Professor Deneb Karentz, professor of Biology and Environmental Science, at the University of San Francisco

- Anabaena in Eutrophic conditions

Publications:

Hadley D, Pan J, El-Sayed O, Aljabban J, Aljabban I, Azad T, Hadied M, Raza S, **Rayikanti B**, Chen B, Paik H, Aran D, Spatz J, Himmelstein D, Panahiazar M, Bhattacharya S, Sirota M, Musen M, Butte A. Precision annotation of digital samples in NCBI’s gene expression omnibus. *Scientific Data-Nature*. September 2017

Rayikanti B, Leclair L, Poytner M, Dixon A, Hoyt L, Leopold, D. *Using optical density to determine inflammation in nasal mucus*. Submitted.

Brown I, Bellevue O, Shawo A, Woldesemayat H, Lyo V, **Rayikanti B**, Lee M, Uzosike ED, Kasravi S, Harris HW. *Low-dose cyclophosphamide improves survival in a murine treatment model of sepsis*.

Shock. 2015 Jan;43(1):92-8

Devcic, Z., **Rayikanti, B. A.**, Hevia, J. P., Popenko, N. A., Karimi, K. and Wong, B. J. (2011), *Nasal tip projection and facial attractiveness*. *The Laryngoscope*, 121: 1388—1394

Presentations:

Oral presentation at the Combined Sections Meeting of the Triological Society, Scottsdale, Arizona,
U.S.A January 28, 2011

Oral Presentation at the University of San Francisco to the Biology Department on December 6, 2010,
"Cyclophosphamide: an immunosuppressive drug as potential therapy for the treatment of sepsis"

Posters:

Yen E, Rayikanti B, Valenzuela Y, Segar J. Medical image of the week: renal cell carcinoma metastasis.
Southwest J Pulm Crit Care. 2016;13(3):135-6

Happy Feet: Podiatric Evaluation of the Burlington Vermont Homeless Population

Whitney Thomas, Priyanka Chilakamarri, Gurpinder Gill, Karl Kristiansen, **Benjamin Rayikanti**,
Michael Sun, Julia Paradiso, LICSW, Aurora Lenz-Watson, PhD, Mark Pasanen, MD and Jan K. Carney,
MD MPH. APHA. November 2015. New Orleans, LA

Low dose cyclophosphamide improves survival in a treatment model of sepsis. SHOCK Volume 37. June
2012. Miami, Florida. Ian E. Brown, Oliver Bellevue, Alexandra Shawo, **Ben Rayikanti**, Clare Abram,
and Hobart W. Harris.

Anabaena In Eutrophic Conditions, Benjamin Rayikanti, University of San Francisco, April 2012.

Grants:

VA Southern Arizona, Biomedical Research and Education Foundation of Southern Arizona (BREFSA)
March 2017: Received \$7500 to fund my research in the lab of Dr. John Rozich

University of Vermont Department of Surgery, March 2015. Received \$2400 to fund Nasal Mucus Optical
Density research in the lab of Dr. Donald Leopold.

COM Medical Student Summer Research Fellowship, June 2013: Received \$3000 from the UVM COM
to fund my research in the lab of Dr. Hobart Harris at UCSF

Youth Funding Youth Ideas (YFYI), Applied 11/2007: Received 08/2008 for \$6000 in support for the
construction of The Ben Rayikanti Music Studio

Work Experience:

Spring 2012-Fall 2011, Supplemental Instructor for Introductory Physics 100 and 101, University of San Francisco

Spring 2012- Fall 2011, Kaplan Campus Representative, Kaplan

Summers 2008-2004, Teacher, Aim High, San Francisco, CA