

Curriculum Vitae



Name: Laura E. Crotty Alexander, M.D.

PubMed Search: >100 peer-reviewed publications. Names cited: Crotty Alexander LE, Crotty LE, Crotty Alexander L, Alexander Crotty LE, Alexander LEC, Alexander LC, and E Alexander LC.

Google Scholar: <https://scholar.google.com/citations?user=awF2ZroAAAAJ&hl=en&oi=ao>
h-index: 46, citations: 8,372

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EDUCATION

1997	BS	Biology, Minor in Chemistry	Duke University
2002		Clinical Research Training Program Fellow	National Institutes of Health (NIH)
2003	MD	Medicine	Duke University School of Medicine

POSTDOCTORAL TRAINING

2003-2004	Internship	Internal Medicine	Massachusetts General Hospital (MGH)
2004-2006	Residency	Internal Medicine	MGH
2005-2006	Chief Resident	Internal Medicine	Newton Wellesley Hospital / MGH
2006-2010	Fellowship	Pulmonary & Critical Care	MGH, Brigham and Women's Hospital, Beth Israel Deaconess Medical Center
2008-2011	Postdoc	Pulmonary & Infectious Disease	University of California at San Diego (UCSD)

APPOINTMENTS AT HOSPITALS/AFFILIATED INSTITUTIONS

2005-2009	Hospitalist Moonlighter, Internal Medicine	MGH and BWH
2008-2011	Inpatient Attending, Internal Medicine	Vibra Rehabilitation Hospital
2009-2011	ICU Attending, Pulmonary & Critical Care (PCC) Division	Scripps Green Hospital
2010-current	Staff Physician	VASDHS, PCC Section
2011-2018	Assistant Professor of Medicine	UCSD
2018-2025	Block Director, Foundations of Medicine	UCSD School of Medicine
2018-2020	Associate Professor of Medicine	UCSD
2020-2025	Associate Professor of Medicine in Residence	UCSD
2020-current	Section Chief of PCC Medicine	VASDHS
2024-current	Associate Division Chief of PCC Sleep and Physiology	UCSD
2025-current	Professor of Medicine in Residence	UCSD

LEADERSHIP

American Thoracic Society (ATS) Leadership

2026-current	ATS AII Nominating Committee
2020-2023	ATS AII Program Committee Member, Vice Chair, and Chair
2020-2022	Creator and Chair of the weekly/monthly/quarterly American Thoracic Society (ATS) COVID-19 Critical Care Training Forum
2019-2024	ATS Scientific Advisory Committee (SAC)

2019	ATS 5 Year Vision Strategic Planning Workshop
2019-2021	ATS Resident Boot Camp Leadership Committee
2018-2019	ATS Nominating Committee
2017-2020	Chair of the ATS Virtual Boot Camp
2016-2019	Chair of the ATS Training Committee
2015-2019	Co-Chair of the ATS Resident Boot Camp
2015-2018	Best of ATS Video Lecture Series (BAVLS) Co-Chair
2015-2018	ATS On-line Education Committee Co-Chair
2015-2016	ATS Board of Directors
2013-2016	Vice Chair of the ATS Training Committee
2012-2015	Chair and Creator of the ATS Resident Boot Camp

Non-ATS Leadership

2024-current	Association of Pulmonary & Critical Care Division Directors (APCCSD) Nominating Committee
2024-current	Associate Division Chief of PCC Sleep and Physiology, UCSD
2023-current	Gordon Research Conference (GRC) Lung Development, Injury and Repair, Co-Chair for 2027
2021-2023	Creator and co-Chair of the UCSD PCCSM DEI Committee
2020-current	Section Chief of PCC Medicine, VASDHS
2020-current	CHEST Health Policy and Advocacy Committee
2020-2023	UCSD PCCSM Fellowship VA site director
2019-current	UCSD PCC Fellowship Research Council
2019-current	American Lung Association (ALA) Mission Committee
2019-2020	Board of Directors, National Association for Medical Direction of Respiratory Care (NAMDRRC)
2019	Meta-Leadership course at UCSD
2018-2025	Vice Chair of the Partnership Committee, NIH NHLBI PreCISE Asthma Network
2018-2025	Director of Foundations of Medicine (block 1), UCSD School of Medicine
2017-2019	Associate Program Director for UCSD PCCSM Fellowship Program
2017-2018	Board Member, Torrey Pines Elementary School (TPES) Foundation
2017-2018	TPES Co-Chair of Campus Relations

PROFESSIONAL SOCIETIES

General

2021-current	Editorial Board Member for the American Journal of Physiology (AJP) – Cell Physiology
2021-current	Editorial Board Member for AJP – Lung, Cellular Molecular Physiology
2019-current	American Lung Association (ALA)
2019-2020	The Physiological Society
2018-current	Together for Asthma Leadership Council, UCSD and La Jolla Institute of Immunology
2018-2025	Partnership Committee, NIH NHLBI PreCISE Asthma Network
2018-2019	Protocol Development Committee, NIH NHLBI PreCISE Asthma Network
2015-2016	American Society for Microbiology
2014-2016	American Heart Association (AHA)
2009-2024	American College of Chest Physicians (CHEST)
2003-2009	Massachusetts Medical Society

ATS

2020-2024	ATS Allergy Immunology & Inflammation (AII) Program Committee Member
2019-current	Video Editor and Editorial Board Member for ATS AJRCCM (Blue) Journal
2019-2024	ATS Scientific Advisory Committee
2013-2016	ATS AII Program Committee Member
2011-2016	ATS AII Early Career Professionals Working Group Member
2010-2019	ATS Training Committee Member
2006-current	ATS

HONORS AND PRIZES

2025 UCSD Academic Senate 2025 Distinguished Teaching Award
2024 Senior Clinician Scientist Investigator Award (SCSI) from the Department of Veterans Affairs
2023 Excellence in Faculty Mentoring in Research, UCSD Department of Medicine
2022 AAMC Mid-Career Women Faculty Professional Development Seminar
2021 Professor of the Year, Excellence in Teaching Award, UCSD School of Pharmacy
2020 American Lung Association Lung Healthcare Provider of the Year
2018 ATS Fellow
2017 San Diego Top Doctors
2017 ATS Emerging Leaders Program
2016 ATS Rising Star, Respiratory Cell and Molecular Biology (RCMB) Assembly
2016 ATS Presidential Commendation
2016 ATS Who's Who <http://news.thoracic.org/whos-who-laura-e-crotty-alexander/>
2015 ATS Young Investigator Award, presented at the Asian Pacific Society of Respiratory Meeting
2015 ATS BEAR Cage Competition Finalist (\$2,500) – Building Education to Advance Research
2014 AAMC Early Career Women Faculty Professional Development Seminar
2013 National Centers for Leadership in Academic Medicine (NCLAM), UCSD
2009 Biomedical Research Fellowship, The Hartwell Foundation
2009 6th Annual Respiratory Disease Young Investigators' Forum
2009 Travel Award, ATS International Conference
2009 Fellows Asthma Conference, CHEST
2009-2011 NIH Loan Repayment Program Recipient
2006 Humanities Award, MGH

FUNDING INFORMATION

Current

2024-2027 Tobacco Related Disease Research Program (TRDRP; California State funding) T34IR8251 – Research Award
Immunomodulation and Inflammation Caused by 4th-generation E-cigarettes and Dual Use with THC
Crotty Alexander, PI (DC \$300,000/yr; 1,291,500 total)

2024-2026 Tobacco Related Disease Research Program (TRDRP; California State funding) T34IP8179 – Pilot Award
Cigarette Smoking-induced miR-483 Transversion Aggravates Pulmonary Hypertension
Shyy, PI; Crotty Alexander, co-I (DC \$200,000/yr)

2024-2028 VA Merit Award, 1I01BX006447
Immunomodulation and Inflammation Caused by 4th-generation E-cigarettes in the Setting of Asthma
Crotty Alexander, PI (\$215,000/yr 1; \$165,000/yr 2-4; \$710,000 total)

2028-2032 VA Senior Clinician Scientist Award (SCSA), *a full 4 year extension of the VA Merit Award with an acceptable year 3 progress report*
Crotty Alexander, PI (\$165,000/yr 5-8; \$660,000 total)

2023-2028 NIH NHLBI, T32HL166127
Developing a Diverse Next Generation of Leaders in Respiratory Science
Co-PIs: Crotty Alexander, Malhotra, and Sun (\$383,121/yr; \$1,915,605 total)

2023-2026 TRDRP Research Award, T33IR6633
Cannabis, vaping, and lung structural abnormalities in asymptomatic users

	Darquenne, PI; Crotty Alexander, co-I (\$300,000/yr)
2022-2027	TRDRP Smoke and Vape Free Scholars Initiative Award, T32SR5359 Research and Advocacy Training in Conventional and Electronic Forms of Tobacco Crotty Alexander and Emory, co-PIs (\$650,000/yr)
2021-2026	NIH NHLBI, K24 HL155884 Convergence of Vitamin E, THC, Nicotine, Propylene Glycol and Glycerin Effects on Lung Inflammation When Vaped Crotty Alexander, PI (\$121,654/yr)
Completed	
2022-2025	TRDRP Research Award, T32KT4896 Adverse Events from Tobacco/Nicotine Dependence and Impacts on Cancer Patient Clinical Experiences Cuomo, PI; Crotty Alexander, co-I (\$758,482 total)
2019-2024	VA Merit Award, 1I01BX004767 (NCE) Hypoxia inducible factors in pulmonary endothelial cells regulate allergic inflammatory airways disease Crotty Alexander, PI (\$165,000/yr)
2017-2023	NIH NHLBI, R01 HL137052 (NCE) Electronic Cigarette Vapor Inhalation Adversely Affects Lung Cellular and Physiologic Function and Alters Systemic Inflammatory Pathways Crotty Alexander, PI (\$250,000/yr)
2019-2024	TRDRP Pilot Award, T30IP0965 + T30IP0965C (NCE) Impact of JUUL use on lung physiologic and immune health and systemic inflammation Crotty Alexander, PI (\$200,000/yr + \$125,000 supplement)
2022-2023	UCSD Health Sciences Research Grant Investigating the Effect of Intermittent Hypoxia on COVID-19-Associated Renal Injury Co-PIs: Crotty Alexander, Omar Mesarwi, and Tatum Simonson (\$38,000)
2020-2023	TRDRP Research Award, T31IP1740 (NCE) The role of the NLRP3 inflammasome in e-cigarette-induced cardiac inflammation and remodeling Miyamoto, PI; Crotty Alexander, co-I (\$200,000/yr)
2017-2023	NIH/NHLBI Clinical Research Cooperative Agreement, UG1 HL139117 (NCE) San Diego Team Asthma Management using Phenotypes (STAMP); PrecISE Network Akuthota (PI) and Crotty Alexander (Co-I)
2019-2023	NIH NHLBI, R01HL147326 Long Read Sequencing for Isoform Discovery and Integrative Modeling to Predict Disease Progression in COPD Castaldi, PI; Crotty Alexander, Co-I (\$300,000/yr)
2020-2023	TRDRP Postdoctoral Award, T31FT1822 The impact of e-cigarettes on lung immunity and repair Dash, PI (post-doctoral fellow); Crotty Alexander, co-I (\$200,000/yr)
2020-2021	NIH NHLBI, 3R01 HL137052-04S1, R01 Administrative Supplement Cytotoxic and Inflammatory Mechanisms Underlying EVALI Crotty Alexander, PI (\$250,000)
2019-2021	TRDRP Pilot Award, T29IR0475 Pulmonary neuroendocrine cells as a sensor in tobacco induced lung diseases Xin Sun, PI; Crotty Alexander, co-I (\$937,500)
2020-2021	California State Directed Funding Understanding E-Cigarette Impacts on Health

Crotty Alexander and Malhotra, co-PIs (\$2,200,000/yr)
Selected for funding 3/2/2020, but not funded due to the COVID pandemic.

2018-2021 California National Primate Research Center (CNPRC) Pilot Award
 Inflammatory and organ injury effects of daily e-cigarette use
 Crotty Alexander, PI (\$42,000)

2016-2019 Sleep, Hypoxia and Tumorigenesis Pilot Award
 Montgrain (PI) and Crotty Alexander (Co-PI) (\$50,000) *No cost extension*

2017-2019 TRDRP Pilot Award, T26IP-0040
 Inflammatory cardiovascular disease induced by autonomic effects of e-cigs
 Heller Brown (PI) and Crotty Alexander (co-I) (\$150,000/yr)

2016-2018 American Heart Association, Beginning Grant-in-Aid, #16BGIA27790079
 E-Cigarettes Promote Bacterial Virulence and are Toxic to Airway & Host Defense Cells
 Crotty Alexander, PI (\$70,000/yr)

2017-2018 UCSD Health Sciences Research Grant, RS169R
 Alterations in pulmonary physiology in response to e-cigs, fibrosis, and acute lung injury
 Crotty Alexander (PI), James Hagood (PI), Heller Brown (PI), and Ellen Breen (PI) (\$39,000)

2016-2017 ATS Foundation Award for Outstanding Early Career Investigators
 E-cigarette vapor decreases host defenses and promotes inflammatory pathways
 Crotty Alexander, PI (\$40,000)

2016-2017 NIH National Institute of Diabetes and Digestive and Kidney Diseases
 UAB-UCSD O'Brien Center Grant # P30DK079337
 Inaugural Daniel O'Connor Scholar Award
 Lung-kidney interactions and the role of pancreatic enzymes in ARDS and AKI
 Crotty Alexander, PI (\$40,000/yr)

2016-2017 UCSD Microbiome Initiative
 Effects of chronic e-cigarette inhalation on airway and stool microbiomes in mice
 Crotty Alexander, PI (free sample processing, profiling and analysis)

2011-2016 VA Career Development Award (CDA-2), 1IK2BX001313
 Genetic and Pharmacologic Evaluation of the Role of HIF-1 α in Asthma
 Crotty Alexander, PI (\$1,445,437)

2015-2016 Frontiers of Innovation Scholars Program, UCSD
 Transdermal system for asthma therapeutics
 Crotty Alexander, PI (\$3,000)

2009-2011 The Hartwell Foundation Biomedical Research Fellowship
 Evaluate the effect of elevated temperature on macrophage function in bacterial killing, and extracellular trap formation.
 Crotty Alexander, Investigator / Fellow (\$100,000)

2008-2011 American Asthma Foundation, Senior Investigator Award (V Nizet)
 HIF Control of Inflammatory Responses in Asthma: Explore the role of alveolar macrophage HIF-1 α in asthma and its potential as a therapeutic target.
 Nizet, PI (\$250,000); Crotty Alexander, Investigator

INVITED TALKS

European Respiratory Society (ERS), Vision Live - [Cannabis, Vaping and Tobacco in the 21st century](#), Mar 2026
 NIH NHLBI Workshop, Defining Lung Health Through the Lifespan, Mar 2026
 NIH NHLBI and NCI Workshop, Vaping Lung Injury, Feb 2026
 University of Wisconsin at Madison, PCCM Grand Rounds, Dec 2025
 ATS Respiratory Societies of the Americas, May 2025
 UCSD Moores Cancer Center, March 2025
 University of Pittsburgh Pediatric Grand Rounds, Feb 2025
 Scripps Mercy Grand Rounds, Jan 21, 2025
 Pittsburgh International Lung Conference, Sept 2024

Respiratory Therapy Grand Rounds at Mayo Clinic (*zoom*), Aug 21, 2024
 10th Annual Sreedhar Nair Visiting Professor at Yale, Scientific Seminar, May 30, 2024
 10th Annual Sreedhar Nair Visiting Professor at Yale, Grand Rounds, May 29, 2024
 University of Colorado Scientific Seminar, Jan 17, 2024
 National Jewish Health, Grand Rounds, Jan 18, 2024
 Ohio State University Pulmonary Critical Care Grand Rounds, June 13, 2023
 ATS: E-cigarettes: Mice, Humans and Policy, oh my! May 22, 2023
 Keynote Speaker – Breathe Southern California Research Forum (UCLA & Cedar Sinai), Apr 22, 2023
 Anesthesia Grand Rounds at Mayo Clinic, Mar 13, 2023
 Pulmonary Critical Care Grand Rounds at Mount Sinai (*zoom*), Feb 3, 2023
 International Asthma Conference (Nemacolin), E-cigarette vapor interactions with the airways: The good, the bad, and the immunomodulated. Oct, 2022
 CHEST: Pathways to Advocacy. Oct, 2022
 ATS: Mechanisms of EVALI. May, 2022
 CASEL: Respiratory Effects of ENDS Use: The Good, The Bad and The Ugly (*zoom*). Feb 8, 2022
 University of Rochester Scientific Seminar (*zoom*). Dec 9, 2021
 ATS: EVALI and Other Vaping Diseases in the Time of COVID and Beyond, May, 2021
 Baylor Grand Rounds: Inflammatory effects of e-cigarettes across organ systems (*zoom*), Apr 2021
 University of Wisconsin Scientific Seminar (*zoom*), Apr 2021
 Experimental Biology 2021: E-cigarettes and Cardiovascular Disease (*zoom*), Apr 28, 2021
 CHEST 2020: The Vaping Epidemic: Implications for Policy (*zoom*), Oct 2020
 WHO Tobacco Committee: EVALI, Sept 2020
 Rady Childrens Hospital Grand Rounds, July 9, 2020
 Society of Toxicology Conference: Clinical EVALI (*zoom*), Mar 18, 2020
 Distinctive Voices - National Academy of Sciences (Irvine, CA): Health effects of Vaping and e-cigarette use, what is known thus far <https://www.youtube.com/watch?v=AENLOJ6fbFY>, Feb 26, 2020
 Scripps Mercy Grand Rounds, Feb 18, 2020
 Town & Gown. Are E-cigarettes a Solution to Tobacco? Or Simply Tobacco in Solution? Feb 11, 2020
 Breathe LA COPD Conference: Respiratory hazards of e-cigarettes and vaping, Nov 2, 2019
 Society of Toxicology: The hidden and not-so-hidden health effects of e-cigarettes (*zoom*), Oct 8, 2019
 CASEL: Vaping and Respiratory Health (*zoom*), Oct 4, 2019
 Physiology: Physiologic effects of e-cigarettes on the cardiopulmonary system. July 2019, Scotland
 ATS: Recent Advances: Smoking and Electronic Nicotine Delivery Systems (E-Cigs), May 23, 2017
 ATS: E-cigarettes and effects on lung immunology, May 21, 2017
 ATS: Chronic E-cig Inhalation Induces Multi-Organ Fibrosis in Multiple Mouse Strains, May 21, 2017
 Univ of Alabama Birmingham Seminar, Lung-Kidney interactions during acute injury, Apr 7, 2017
 Rady Children's Hospital Grand Rounds, Nov 30, 2016
 Cedars Sinai Research Seminar, Nov 15, 2016
 UCSF: E-cigarette vapor inhalation alters immune and lung function, July 26 2016
 UCSF: E-cigarette vapor alters host defenses and bacterial virulence, July 25, 2016
 ATS Global Scholars Program: E-cigarettes (*zoom*), July 19, 2016
 ATS: Effects of e-cigarettes on innate immune function, May 15, 2016
 School Nurses Association (SBRCSNO), E-cigarettes and Marijuana. Apr 23, 2016
 University of Toledo Grand Rounds, Mar 17, 2016
 Scripps Mercy Grand Rounds, Updates in Asthma, Jan 19, 2016
 Asian Pacific Society of Respiriology (APSR) Congress, Dec 5, 2015, Malaysia
 University of Oklahoma Research Seminar, Aug 26, 2015
 JFK Memorial Hospital Grand Rounds, June 24, 2015
 Scripps Mercy Grand Rounds, E-cigarettes, Oct 6, 2015
 National Association for Medical Direction of Respiratory Care (NAMDR), Mar 12, 2015

FORMAL MENTORING PROGRAMS

2022-current	Raising Advancement and Parity for Infectious Disease Researchers (RAPID ; NIAID funded)
2022-2025	Institutional Research and Academic Career Development Award (IRACDA ; NIGMS funded)
2024-current	National Centers for Leadership in Academic Medicine (NCLAM; UCSD)

CURRENT LICENSURE AND CERTIFICATION

2009-current	Board Certification in Critical Care Medicine (ABIM)
2008-current	Board Certification in Pulmonary Disease (ABIM)
2008-current	California Medical License
2006-2016	Board Certification in Internal Medicine (ABIM)
2006	National Provider Number 1952382046
2005-current	Federal DEA
2005-2010	Massachusetts DEA
2005-2009	Massachusetts Medical License

BOOKS

1. Enany S and **Crotty Alexander LE**, ed. *Frontiers in Staphylococcus aureus*. InTech, 2017.
2. Enany S and **Crotty Alexander LE**, ed. *The Rise of Virulence and Antibiotic Resistance in Staphylococcus aureus*. InTech, 2017.

CHAPTERS

1. Fuentes AL and **Crotty Alexander LE**. Acute and Chronic Health Effects of Vaping. In: Walley SC and Wilson K, ed. *The Health Impacts of Electronic Cigarettes and Vape Devices*. Springer, 2021.
2. McEachern E, Enany S, and **Crotty Alexander LE**. Effects of electronic (e)-cigarette vapor on staphylococcal virulence: Are e-cigarettes safer than conventional cigarettes? In: Enany S and **Crotty Alexander LE**, ed. *Frontiers in Staphylococcus aureus*. InTech, 2017.
3. **Crotty Alexander LE**. Anaerobic Lung Infections. Pgs 279-284. In: Morris TA, Ries AL, and Bordow RA, ed. *Manual of Clinical Problems in Pulmonary Medicine*. Philadelphia: Wolters Kluwer Health, 2014.
4. Mohamedaly OH and **Crotty Alexander LE**. Staphylococcal and Streptococcal Pneumonias. Pgs 263-266. In: Morris TA, Ries AL, and Bordow RA, ed. *Manual of Clinical Problems in Pulmonary Medicine*. Philadelphia: Wolters Kluwer Health, 2014.
5. **Crotty LE**. Sampson JH. Archer GE, and Bigner DD. Models for CNS malignancies. Pgs 1123-1138. In: Alison MR, ed. *The Cancer Handbook*. London: Nature Publishing Group, 2004.

PEER REVIEWED PUBLICATIONS

full list: <https://www.ncbi.nlm.nih.gov/myncbi/laura.crotty%20alexander.1/bibliography/public/>

ORIGINAL RESEARCH PAPERS

Pre-prints

Paulina B. Munoz, Alexia N. Perryman, Kristen Emory, Timothy Morris, Philippe Montgrain, and **Laura E. Crotty Alexander**. Increased tobacco retailers around middle and high schools associated with total economic disadvantage in San Diego County. *In revisions*

E-Cigarette or Tobacco Related

1. Tejwani V, Sarka A, Guo C, Sajuthi S, Castaldi P, **Crotty Alexander LE**, Barjaktarevic I, Comellas A, Dawson J, DeMeo DL, Hersh C, Ruvuna L, Sharma S, Silverman E, Pratte K, Seibold M, Kechris K, and Bowler R. Nasal epithelium and blood transcriptomic signatures associations with smoking and exacerbations. *European Respiratory Journal*. Accepted November 2025.
2. Steeger CM, Tandukar P, Hoth KF, Aloia M, Wamboldt F, Lee-Winn A, Castaldi P, Sharma S, Lorenzon N, **Crotty Alexander LE**, Klawitter J, Sempio C, Kinney G, Althoff MD, and Bowler RP. Frequency of cannabis use and symptoms of anxiety and depression: A cross-sectional analysis of the Colorado Cannabis Users Health cohort. *Journal of Cannabis Research*. Accepted August 20th, 2025.
3. Banjo E, Ahadian Z, Kasaraneni N, Chang H, Perera S, Emory K, and **Crotty Alexander LE**. Perceptions of Health Risks and Accessibility: A Social Media-Based Pilot Study of Factors Influencing Use of Vaping and Combustible Tobacco Products. *International Journal of Environmental Research and Public Health (IJERPH)*. 2025 May 20; 22(5):800. PMID: 40427913; PMC12110795; DOI: 10.3390/ijerph22050800
4. Moll M, Xu Z, Boueiz A, Ryu MH, Silverman EK, Cho MH, Hersh CP, Sauler M, Polverino F, Kinney GL, Curtis JL, **Crotty Alexander LE**, Vollmers C, and Castaldi PJ. B cell immune repertoire sequencing in tobacco cigarette smoking, vaping, and chronic obstructive pulmonary disease in the COPD Gene cohort. *Frontiers in Immunology*. 2025 May 2;16:1508786. PMID: 40386772; PMC12082042; DOI: 10.3389/fimmu.2025.1508786
5. Commodore S, Hawkins J, Wood C, Liu C, Bowler RP, **Crotty Alexander LE**, Castaldi P, Holguin F, Kechris K, and Sharma S. A pilot study on the impact of vaping on adolescent lung function and nasal epithelial gene expression. *American Journal of Respiratory Cell and Molecular Biology (AJRCMB)*. 2025 May;72(5):594-597. PMID: 40311078; PMC12051928; DOI: 10.1165/rcmb.2024-0332LE
6. Chitteti R, Zuniga-Hertz JP, Masso-Silva JA, Shin J, Niesman I, Bojanowski CM, Kumar AJ, Hepokoski M, **Crotty Alexander LE**, Patel HH, Roth DM. E-cigarette-induced changes in cell stress and mitochondrial function. *Free Radical Biology Medicine*. 2025 Feb 16;228:329-338. PMID: 39756490.
7. Sayed IM, Chakraborty A, Inouye K, Dugan L, Tocci S, Advani I, Park K, Gaboyan S, Kasaraneni N, Ma B, Hazra TK, Das S*, **Crotty Alexander LE***. E-cigarettes increase the risk of adenoma formation in murine colorectal cancer model. *Archives of Toxicology*. 2025 Mar;99(3):1223-1236. PMID: 39786590.
*co-corresponding authors
8. Malhotra N, Kasaraneni N, Ahadian Z, Chang H, Advani I, McDermott J, Truong C, Gaboyan S, Mittal A, Perryman A, Masso-Silva JA, Steeger CM, Bowler RP, Castaldi PJ, Sharma S, and **Crotty Alexander LE**. Dual Use of Cannabis with Tobacco Is Associated with Increased Sugary Food and Drink Intake in Young People. *International Journal of Environmental Research Public Health (IJERPH)*. 2024, 21(8), 1016. PMID: 39200627; PMC11354211
9. Hogan N, Castaneda-Castro F, Ramamoorthy Premal AL, Brickner H, Mondal M, Herrera-De La Mata S, Vijayanand P, **Crotty Alexander LE**, Seumois G, and Akuthota P. E-cigarette Vapor Extract Alters Human Eosinophil Gene Expression in an Effect Mediated by Propylene glycol, Glycerin, and Nicotine. *Journal of Leukocyte Biology*. 2024 Aug 13;qiael76. PMID: 39136235
10. Perez M, Willams A, Yurieva M, Mortensen E, Poddutoori S, **Crotty Alexander LE**, Radolf JD. Transcriptomic responses in the blood and sputum of cigarette smokers compared to e-cigarette vapers. *Respiratory Research*. 2023 May; 24(1):134. PMID: 37208747; PMC10196320

11. Merz W, Magraner J, Gunge D, Advani I, **Crotty Alexander LE**, and Oren E. Electronic cigarette use and perceptions during COVID-19. *Respiratory Medicine*. 2022 Aug-Sep; 200:106925. PMID: 35797927; PMC9250168
12. Moshensky A, Brand CS, Alhaddad H, Shin J, Masso-Silva JA, Advani I, Gunge D, Sharma A, Mehta S, Jahan A, Nilaad S, Olay J, Gu W, Simonson TS, Almarghalani D, Pham J, Perera S, Park K, Al-Kolla R, Moon H, Das S, Byun MK, Shah Z, Sari Y, Brown JH, and **Crotty Alexander LE**. Effects of Mango and Mint pod-based e-cigarette aerosol inhalation on inflammatory states of the brain, lung, heart and colon in mice. *eLife*. 2022 Apr 12; 11:e67621. PMID: 35411847
13. Mittal A*, Du A*, Merz W, Myers MG, **Crotty Alexander LE**, Doran N. Impulsivity-related personality traits as predictors of e-cigarette use among young adults over time. *Substance Use and Misuse*. 2022 Apr;57(7):1007-1013. PMID: 35382679; PMC9214665
14. Pierce JP, Zhang J, **Crotty Alexander LE**, Leas EC, Kealey S, White MM, Strong DR, Trinidad DR, McMenamin SB, Chen R, Benmarhnia T, and Messer K. Daily E-cigarette Use and the Surge in JUUL Sales: 2017–19. *Pediatrics*. 2022 May 30; e2021055379. PMID: 35634883
15. Advani I, Gunge D, Boddu S, Mehta S, Park K, Perera S, Pham J, Nilaad S, Olay J, Ma L, Masso-Silva J, Sun X, Jain S, Malhotra A, and **Crotty Alexander LE**. Dual Use of E-Cigarettes with Conventional Tobacco is Associated with Increased Sleep Latency in Cross-sectional Study. *Scientific Reports*. 2022, Feb 15; 12(1):2536. PMID: 35169234
16. Gunge D, Marganski J, Advani I, Boddu S, Chen YJE, Mehta S, Merz W, Fuentes AL, Malhotra A, Banks S, and **Crotty Alexander LE**. Deleterious impact of inhalant use on sleep quality during the COVID-19 pandemic. *International Journal of Environmental Research and Public Health*. 2021 Dec 15; 18(24):13203. PMID: 34948812
17. Sayed IM, Masso-Silva JA, Mittal A, Patel A, Lin E, Moshensky A, Shin J, Bojanowski CM, Das S, Akuthota P, and **Crotty Alexander LE**. Inflammatory phenotype modulation in the respiratory tract and systemic circulation of e-cigarette users: a pilot study. *American Journal of Physiology-Lung Cellular and Molecular Physiology*. 2021 Dec 1; 321(6):L1134-L1146. PMID: 34704852
18. Malhotra C, Gunge D, Advani I, Boddu S, Nilaad S, and **Crotty Alexander LE**. Assessing the potential impact of age and inhalant use on sleep in adolescents. *J Clin Sleep Med*. 2021 Nov 1; 17(11):2233-2239. PMID: 34027889 PMCID: PMC8636377
19. Moshensky A, Du M, Shin J, Advani I, Gunge D, Mathew D, Alkolla R, Du A, Javier C, Ma L, Tran A, Nguyen N, Olay J, Nilaad S, Ding J, Najhawan M, Watrous JD, Bojanowski CM, Jain M, Christiani DC, and **Crotty Alexander LE**. Vaping induced metabolomic signatures in the circulation of mice are driven by device type, e-liquid, exposure duration and sex. *European Respiratory Journal Open Research*. Jul 12, 2021; 7(3):00229-2021. PMID: 34262972 PMCID: PMC8273396
20. Chopyk J, Bojanowski CM, Shin J, Moshensky A, Fuentes AL, Bonde SS, Chuki D, Pride DT and **Crotty Alexander LE**. Compositional differences in the oral microbiome of e-cigarette users. *Frontiers in Microbiology*. 2021 May 31; 1250(12). PMID 34135868
21. **Masso-Silva JA**, Moshensky A, Shin J, Olay J, Nilaad S, Advani I, Bojanowski CM, Crotty S, Li WT, Ongkeko WM, Singla S, and **Crotty Alexander LE**. Chronic e-cigarette aerosol inhalation alters the immune state of the lungs and increases ACE2 expression, raising concern for altered response and

- susceptibility to SARS-CoV-2. *Frontiers in Physiology*. May 31, 2021; 12:649604. PMID: 34122126
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9. **Crotty Alexander LE**, Shin S, and Hwang JH. Inflammatory Diseases of the Lung Induced by Conventional Cigarette Smoke: A Review. *CHEST*. 148(5):1307-22, 2015 November. PMID: 26135024

EDITORIALS, COMMENTS and WORKSHOP REPORTS

1. Perryman A and **Crotty Alexander LE**. Cannabis Consumption Conundrum: Weighing the Risks of Vaping and Smoking. *Accepted at the American Journal of Physiology-Lung Cellular and Molecular Physiology as an Editorial Focus, April 2025*.
2. Meghan E Rebuli, Jason J Rose, Alexandra Noël, Daniel P Croft, Neal L Benowitz, Alan H Cohen, Maciej L Goniewicz, Brandon T Larsen, Noel Leigh, Matthew D McGraw, Anne C Melzer, Arthur L Penn, Irfan Rahman, Dona Upson, **Laura E Crotty Alexander**, Gary Ewart, Ilona Jaspers, Sven Eric Jordt, Seth Kligerman, Ceila E Loughlin, Rob McConnell, Enid R Neptune, Tran B Nguyen, Kent E Pinkerton, and Theodore J Witek Jr. The E-cigarette or Vaping Product Use-Associated Lung Injury Epidemic: Pathogenesis, Management, and Future Directions: An Official American Thoracic Society Workshop Report. *Annals of the American Thoracic Society*. 2023 Jan; 20(1):1-17. PMID: 36584985 PMCID: PMC9819258
3. Sullivan L and **Crotty Alexander LE**. A problem for generations: Impact of e-cigarette type on immune homeostasis. *American Journal of Respiratory Critical Care Medicine*. 2022 Nov 15;206(10):1195-1197. PMID: 35816433 PMCID: PMC9746835
4. Hayes, Jr., Don; Board, Amy; Calfee, Carolyn; Ellington, Sascha; Pollack, Lori; Kathuria, Hasmeena; Eakin, Michelle; Weissman, David; Callahan, Sean; Esper, Annette; **Crotty Alexander, Laura**; S Sharma, Nirmal; Meyer, Nuala; Smith, Lincoln; Novosad, Shannon; Evans, Mary; Goodman, Alyson; Click, Eleanor; Robinson, Richard; Ewart, Gary; Twentyman, Evelyn. Pulmonary and Critical Care Considerations for E-cigarette, or Vaping, Product Use-Associated Lung Injury (EVALI). *CHEST*. 2022 Jul;162(1):256-264. PMID: 35257738
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6. Kheradmand F and **Crotty Alexander LE**. EVALI: e-cigarette or vaping product use-associated lung injury (section 12). *WHO study group on tobacco product regulation: Report on the scientific basis of tobacco product regulation: eighth report of a WHO study group*. 2021 May.
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9. **Crotty Alexander LE**, Bellinghausen-Stewart A, and Eakin M. Invited Viewpoint Article: What are the mechanisms underlying vaping-induced lung injury? *Journal of Clinical Investigation*. 130(6):2754-2756; 2020 June. PMID: 32391805 PMCID: [PMC7260008](#)
10. Chapman DG, Larcombe AN, Bozier J, Chivers EK, **Alexander Crotty LE**, and Ween MP. Reply to Letter to the Editor “Vaping nicotine is far less harmful than smoking tobacco”. *CHEST*. 158(2):836, 2020 Aug.
11. **Crotty Alexander LE** and Perez M. Response to the letter to the Editor. *The Annals of the American Thoracic Society*. 17(7):908, 2020 July. PMID: 32320261
12. **Crotty Alexander LE**, Ware LB, Calfee CS, Callahan SJ, Eissenberg T, Farver C, Goniewicz ML, Jaspers I, Kheradmand F, King TE, Meyer NJ, Mikheev V, Shields PG, Shihadeh A, Strongin R, and Tarran R. NIH Workshop Report: E-cigarette or Vaping Product Use Associated Lung Injury: Developing a Research Agenda. *American Journal of Respiratory and Critical Care Medicine*. 2020 Apr 3. PMID: 32243764 PMCID: [PMC7491408](#)
13. Perez M and **Crotty Alexander LE**. Why is vaping going up in flames? *The Annals of the American Thoracic Society*. 17:545–549, 2020 July. PMID: 31944819
14. **Crotty Alexander LE** and Meier A. Response to the letter to the Editor. *American Journal of Physiology*. 318(3):C706, 2020 Mar 1. PMID: 32150454
15. **Crotty Alexander LE** and Perez M. Identifying, tracking and treating lung injury associated with e-cigarettes and vaping. *The Lancet*. 394(10214):2041-2043, 2019 Dec 7. PMID: 31711628
16. Hepokoski ML, Malhotra A, Singh P, and **Crotty Alexander LE**. Ventilator Induced Kidney Injury: Are novel biomarkers the key to prevention? *Nephron*. 11:1-4, 2018 July. PMID: 29996132
17. Bousquet J, Bachert C, **Alexander LC**, and Leone FT. Hypothesis: may e-cigarette smoking boost the allergic epidemic? *Clinical Translational Allergy*. 6:40, 2016 Nov 15. PMID: 27891215
18. Shin S and **Crotty Alexander LE**. Global state of tobacco use: Summary from the American Thoracic Society International Conference 2016. *Journal of Thoracic Disease*. 8(Suppl 7): S582–S585, 2016 Jul. PMID: 27606101
19. **Crotty Alexander LE**, Vyas A, Schraefnagal D, and Malhotra A. E-Cigarettes: The New Face of Nicotine Delivery and Addiction. *Journal of Thoracic Disease*. 7(8):E248-251, 2015 August. PMID: 26380791
20. **Crotty Alexander LE**, Fuster M, Malhotra A, and Montgrain P. The Need for More E-Cigarette Data: A Call to Action. *American Journal of Respiratory and Critical Care Medicine*. 192(3): 275-276, 2015 August. PMID: 26230232
21. **Crotty Alexander LE** and Malhotra A. The Civil Liberty of Smoking Cigarettes. *CHEST*. 148(1):6-8, 2015 July. PMID: 26149548

CASE REPORTS

1. Hepokoski M, Lerner A, Makani S and **Crotty Alexander LE**. Spontaneous Pneumothorax Complicating Chronic Hepatic Hydrothorax: Successful Treatment Via Small-bore Chest Tube. *Journal of Bronchoscopy*. 23(4):e43-e45, 2016 Oct. PMID: 27764014

DOCUMENTS and POLICY STATEMENTS

1. McClure EA, Piper ME, **Crotty Alexander LE**, Burnham EL, Freeman TP, Galiatsatos P, Lange AD, Lee DC, Leone FT, Melzer AC, Mermelstein J, Montgomery L, Rabin RA, Smith DM, St Helen G, Weinberger AH, Kathuria H. [Effects of Inhaled Tobacco and Cannabis Co-Use on Respiratory Health and Tobacco Cessation](#). An Official American Thoracic Society Research Statement. *American Journal of Respiratory Critical Care Medicine*. 2025 Aug 22. PMID: 40845321.
2. Loren E. Wold, Robert Tarran, **Crotty-Alexander LE**, Naomi M. Hamburg, Farrah Kheradmand, Gideon St. Helen, and Joseph C. Wu. Cardiopulmonary Consequences of Vaping in Adolescents, A Scientific Statement from the American Heart Association. *AHA Scientific Statement*. July 22, 2022; 131(3):e70-e82. PMID: 35726609
3. **Crotty Alexander LE**. California Thoracic Society (CTS) Policy Statement on Vaping / E-cigarettes. Nov 15, 2019. https://calthoracic.org/wp-content/uploads/2020/03/CTS-VapingE-cig-statement-12_3_2019.pdf
4. Carlos GW, **Crotty Alexander LE**, Gross JE, Dela Cruz CS, Keller JM, Pasnick S, and Jamil S. Vaping-associated Pulmonary Illness (VAPI). ATS Public Health, Information Series. *Am J Respir Crit Care Med*. 200(7):15. Sept 19, 2019. PMID: 31532698
<https://www.atsjournals.org/doi/pdf/10.1164/rccm.2007P13>
5. Leone FT, Carlsen KH, Chooljian D, **Crotty Alexander LE**, Detterbeck FC, Eakin MN, Evers-Casey S, Farber HJ, Folan P, Kathuria H, Latzka K, McDermott S, McGrath-Morrow S, Moazed F, Munzer A, Neptune E, Pakhale S, Sachs DPL, Samet J, Sufian B, Upson D. Recommendations for the Appropriate Structure, Communication, and Investigation of Tobacco Harm Reduction Claims. An Official American Thoracic Society Policy Statement. *Am J Respir Crit Care Med*. 2018 Oct 15; 198(8):e90-e105. PMID: 30320525

*co-first authors

PODCASTS / WEBINARS / RECORDED TALKS

1. Physiology Reviews Podcast. Recorded March 6, 2026.
2. UCSD Prepare Institute Seminar. April 2023. <https://youtu.be/-3qBo1eRVjY>
3. The Recombobulator Lab – podcast on e-cigarettes. Feb 2023. <https://the-recombobulator-lab.castos.com/episodes/the-pros-and-cons-of-e-cigarettes-with-dr-laura-crotty-alexander-ep-16>
4. The “Science Of” Touchbase (YMCA/Cloudcast/UCSD). Jan 2023.
5. ALA Dinner with the Docs, San Diego Community Connections: Vaping, smoking, flavored tobacco, synthetic tobacco, March 27, 2022. <https://www.youtube.com/watch?v=blkLNsXbZT4&t=10s>
6. Health effects of Vaping and e-cigarette use, what is known thus far. Distinctive Voices, Feb 26, 2020. <https://youtu.be/AENLOJ6fbFY>
7. n=12 What’s the deal with e-cigarettes? UCSD, *N Equals One*, Dec 8, 2016. <https://soundcloud.com/ucsdhealth/e-cigarettes>
8. Clear and Present Danger? The Emergence of E-cigarettes. Dr. David Kaufman with Dr. Crotty Alexander and Dr. Samya Nasr. *American Journal of Respiratory and Critical Care Medicine*. Oct 1, 2015. <http://static.thoracic.org/podcast/AJRCCM-interviews/rccm-201505-0915ED.mp3>

EDITOR FOR JOURNALS

Video Editor for the American Journal of Respiratory and Critical Care Medicine (2019-current)
 Editorial Board Member for the American Journal of Physiology (AJP)-Cell Physiology (2021-current)
 Editorial Board Member for the American Journal of Physiology (AJP)-Lung, Cellular and Molecular Physiology (2021-current)

REVIEWER FOR JOURNALS

2026: AJP Lung Cellular and Molecular Physiology, American Journal of Respiratory Cell and Molecular Biology (AJRCMB – ATS Red), Journal of Adolescent Health

2025: American Journal of Respiratory and Critical Care Medicine (Blue Journal), American Journal of Respiratory Cell and Molecular Biology (Red Journal), Journal of Clinical Investigation (JCI), American Journal of Physiology - Lung

2018-2024: American Journal of Respiratory and Critical Care Medicine (Blue Journal; 2018-2023), Annals of the American Thoracic Society (White Journal; 2016-2023), American Journal of Physiology (2020-2023), CHEST (2015, 2019-23), Sleep Medicine (2023), ERJ (2022), Journal of Immunology (2020, 2021), Tobacco Induced Diseases (2020), Case Reports in Pulmonology (2020), PLOS ONE (2020, 2021), Journal of Physiology (2020-2022), EMBO Molecular Medicine (2020), The Lancet (2019-20), BMC Immunology (2019), European Journal of Applied Physiology (2019), American Journal of Respiratory Cell and Molecular Biology (Red Journal; 2015-2020), Scientific Reports (2017, 2019), Frontiers (2019), Respirology (2018-2020), Pediatrics (2016-2018), Infection and Immunity (2018), Inhalation Toxicology (2018), Lung (2018)

Prior to 2018: Journal of Infectious Diseases (2017), Journal of Molecular Medicine (2017), European Journal of Respirology (2017), Innate Immunity (2015-2017), International Journal of Environmental Research and Public Health (2017), PLOS ONE (2013-2016), JoVE (2016), Toxics (2016), Molecular and Cellular Pediatrics (2016), Cell Stress and Chaperones (2015), Molecular and Cellular Pediatrics (2015), BMC Pulmonary Medicine (2015), Environmental Health Perspectives (2014), PLOS Biology (2013), Immunopharmacology and Immunotoxicology (2013)

REVIEWER FOR GRANTS

NIH NHLBI

2026 (PIRR in Jan; ZRG1 KUDS-M (57) R in March)

2025 (PIRR in Feb and Oct, and Respiratory, Cardiac and Circulatory Sciences (RCCS) Review Branch SEP from PVP, TIPI, PIRR, and LII in April)

2024 (RIBT)

2023 (LIRR)

2022 (NCI Program Project)

2021 (IMST Comparative Medicine SEP)

2020 (CVRS-H SEP)

2019 (Career Development in Tobacco Regulatory Research)

UCSD ACTRI Pilot Project Grant Review Committee 2026

UCSD Academic Senate Grant Review Committee 2026, 2025, 2024

VA 2024

Foundation of the American Thoracic Society 2019, 2020, 2021, 2022, 2023, 2024

American Heart Association (AHA) 2016, 2017, 2019, 2022

UC Davis Non-human Primate Center 2020

NIH NIDA 2017, 2018, 2019

British Lung Foundation 2016

INVITED PRESENTATIONS OUTSIDE OF UCSD

International

Leveraging Animal Models to Identify Long-Term Health Effects of ENDS SOT Mar 20, 2025
 Orlando, FL

Patterns of Vaping and Cannabis Product Use: New Products, New Challenges ATS May 19, 2024 San Diego, CA

<i>E-cigarettes: Mice, Humans and Policy, oh my!</i>	ATS	May 22, 2023	Washington DC
<i>E-cigarette vapor interactions with the airways: The good, the bad, and the immunomodulated</i>			
International Asthma Conference		Oct, 2022	Nemacolin, PA
<i>Pathways to Advocacy</i>	CHEST	Oct, 2022	Nashville, TN
<i>Mechanisms of EVALI – e-cigarette components that contribute to injury and what we still need to learn,</i>	ATS	May, 2022	San Francisco, CA
<i>Lessons Learned From EVALI, Co-Chair of Scientific Symposium,</i>	ATS	May, 2021	San Diego, CA
<i>EVALI and Other Vaping Diseases in the Time of COVID and Beyond,</i>	ATS	May, 2021	San Diego, CA
<i>Advances in Asthma Therapies, Co-Chair of Mini-Symposium,</i>	ATS	May, 2021	San Diego, CA
<i>ATS Core Training Webinar: Balance During COVID-19: Personal and Professional Development During the Pandemic</i>			
		Nov 17, 2020	via web
<i>EVALI</i>	WHO Tobacco Committee	Sept 2020	via web
<i>Moderator for EVOLVING KNOWLEDGE OF THE EFFECT OF CANNABIS ON THE LUNG,</i>	ATS,	May, 2020	
<i>Co-chaired and presented for an e-cigarette symposium with Anne Melzer and Dona Upson,</i>	ATS,	May, 2020	
<i>Moderator for Late Breaking Clinical Trials in Airway Disease, ATS 2020</i>		May, 2020	via web
<i>Physiologic effects of e-cigarettes on the cardiopulmonary system,</i>	Physiology	July 2019	Aberdeen, Scotland
<i>E-cigarettes</i>	ATS Global Scholars Program	July 19, 2016	via web
<i>E-cigarette and conventional cigarette pro-virulent effects on airway colonizer and pathogen Staphylococcus aureus</i>			
Asian Pacific Society of Respiratory (APSR) Congress		Dec 5, 2015	Malaysia
<u>National</u>			
<i>NIH Workshop – Lung Health</i>		Mar 4-5, 2026	Zoom
<i>NIH Workshop – EVALI</i>		Feb 26-27, 2026	NIH
<i>Medicine Grand Rounds</i>		Mar 22, 2026	Westchester, NY
<i>Pulmonary, Critical Care, and Allergy Grand Rounds</i>		Dec 4, 2025	Madison, WI
<i>Respiratory Therapy Grand Rounds at Mayo Clinic</i>		Aug 21, 2024	Zoom
<i>10th Annual Sreedhar Nair Visiting Professor at Yale, Scientific Seminar</i>		May 30, 2024	New Haven, CT
<i>10th Annual Sreedhar Nair Visiting Professor at Yale, Grand Rounds</i>		May 29, 2024	New Haven, CT
<i>University of Colorado Scientific Seminar</i>		Jan 17, 2024	Denver, CO
<i>National Jewish Health, Grand Rounds</i>		Jan 18, 2024	Denver, CO
<i>Pulmonary Critical Care Grand Rounds at the Ohio State University</i>		June 2023	Columbus, OH
<i>Negotiating for success – ATS New Faculty Bootcamp</i>		May 2023	DC
<i>Keynote Speaker, Breathe Southern Cal Research Forum (UCLA & Cedar Sinai)</i>		Apr 2023	Los Angeles, CA
<i>Anesthesia Grand Rounds at Mayo Clinic</i>		Mar 2023	Rochester, MN
<i>Pulmonary Critical Care Grand Rounds at Mount Sinai</i>		Feb 3, 2023	Zoom
<i>Respiratory Effects of ENDS Use: The Good, The Bad and The Ugly, CASEL</i>		Feb 8, 2022	Zoom
<i>Scientific Seminar at University of Rochester</i>		Dec 9, 2021	Zoom
<i>Grand Rounds at Baylor</i>		Apr 2021	Zoom
<i>Scientific Seminar at University of Madison, Wisconsin</i>		Apr 2021	Zoom
<i>Experimental Biology 2021: E-cigarettes and Cardiovascular Disease</i>		Apr 2021	live via web
<i>CHEST 2020: The Vaping Epidemic: Implications for Policy</i>		Oct 2020	via web
<i>Society of Toxicology 2020: Signs, symptoms, diagnosis, treatment and outcomes in EVALI</i>		Mar 18, 2020	
<i>Distinctive Voices - National Academy of Sciences</i>		Feb 26, 2020	
Irvine https://www.youtube.com/watch?v=AENLOJ6fbFY			
<i>Breathe LA COPD Conference: Respiratory hazards of e-cigarettes and vaping</i>		Nov 2019	Los Angeles, CA
<i>Society of Toxicology Webinar</i>		Oct 8, 2019	via web
<i>CASEL: Vaping and Respiratory Health</i>		Oct 4, 2019	via web
<i>Science and Innovation Center, ATS 2019: Mentorship - Keys to Success</i>		May 20, 2019	Dallas, TX

<i>Tips and tricks for getting the most out of ATS 2019, Career Development Center</i>	May 19, 2019	Dallas, TX
<i>How to develop a career plan, so your boss doesn't do it for you, Fellow to Faculty Boot Camp, ATS 2019</i>	May 17, 2019	Dallas, TX
<i>Recent Advances: Smoking and Electronic Nicotine Delivery Systems, ATS</i>	May 23, 2017	DC
<i>E-cigarettes and effects on lung immunology, ATS</i>	May 21, 2017	DC
<i>Chronic E-cig Inhalation Induces Multi-Organ Fibrosis, ATS</i>	May 21, 2017	DC
<i>Lung-Kidney interactions during acute injury, UAB</i>	Apr 2017	Birmingham, AL
<i>E-cigarette vapor alters host defenses and bacterial virulence, Cedars Sinai</i>	Nov 2016	Los Angeles, CA
<i>E-cigarette vapor inhalation alters immune and lung function, UCSF</i>	July 2016	San Francisco, CA
<i>E-cigarette vapor alters host defenses and bacterial virulence, UCSF</i>	July 2016	San Francisco, CA
<i>How to succeed in academic medicine, your first 5 years, ATS</i>	May 2016	San Francisco, CA
<i>In vitro and in vivo models for e-cigarette research, ATS</i>	May 2016	San Francisco, CA
<i>Effects of e-cigarettes on innate immune function, ATS</i>	May 2016	San Francisco, CA
<i>School Nurses Association (SBRCSNO), E-cigarettes and Marijuana</i>	Apr 2016	Riverside, CA
<i>University of Toledo Grand Rounds</i>	Mar 2016	Toledo, OH
<i>University of Oklahoma Research Seminar</i>	Aug 2015	Oklahoma, OK
<i>ATS AJRCCM Podcast, E-cigarettes</i>	July 30, 2015	via web
<i>VA Central Office, The role of HIF alpha-subunits in asthma</i>	July 2015	DC
<i>JFK Memorial Hospital</i>	June 2015	Indio, CA
<i>ATS BEAR Cage Competition, Are e-cigarettes bad or not?</i>	May 2015	Denver, CO
<i>National Association for Medical Direction of Respiratory Care (NAMDRC), E-cigs</i>	Mar 2015	Scottsdale, AZ

Regional

<i>STEAM Career Day, Muirlands Middle School</i>	Mar 13, 2025	San Diego
<i>STEAM Career Day, Muirlands Middle School</i>	Apr 11, 2024	San Diego
<i>Risks of tobacco use, YMCA</i>	Oct, 2023	San Diego
<i>Known and unknown health consequences of vaping, Rotary Club</i>	Mar 24, 2021	San Diego
<i>Vaping and E-cigs, Highlands Elementary School with ALA</i>	Nov 9, 2020	Poway
<i>Health effects of secondhand smoke and vapor, ALA</i>	Oct 27, 2020	San Marcos
<i>Health effects of secondhand smoke and vapor, Virtual Community Forum, ALA</i>	Oct 26, 2020	Santee
<i>Known and unknown health consequences of vaping, Kiwanis Club</i>	Sept 3, 2020	San Diego
<i>Vaping effects on health, from acute lung injury to immunomodulation which may predispose to COVID-19, and everything in between, Rady Childrens Hospital Grand Rounds</i>	July 2020	San Diego
<i>Known and unknown health consequences of vaping, Scripps Mercy Grand Rounds</i>	Feb 2020	San Diego
<i>Are E-cigarettes a Solution to Tobacco? Or Simply Tobacco in Solution? Town & Gown</i>	Feb 2020	San Diego
<i>STEAM Career Day, Muirlands Middle School</i>	Feb 2020	San Diego
<i>The e-cigarette epidemic and VAPI, ALA</i>	Sept 2019	San Diego
<i>What are the known and unknown health effects of e-cigarettes? Sharp Healthcare</i>	Sept 2019	San Diego
<i>Lung Fun Begun, Science Discovery Day, Torrey Pines Elementary School</i>	Apr 2019	San Diego
<i>E-cigarettes: Harmful or Helpful? American Lung Association, Lung Force EXPO</i>	Apr 2019	San Diego
<i>STEAM Career Day, Muirlands Middle School</i>	Feb 2019	San Diego
<i>E-cigarettes: Healthy, harmful or just plain addictive? La Jolla Highschool</i>	Jan 2019	San Diego
<i>What does translational research tell us about the toxicities of electronic cigarettes? ATS</i>	May 2018	San Diego
<i>Health impact and research on electronic cigarette devices, San Diego Tobacco Control Coalition</i>	Apr 2018	San Diego
<i>Lung-Kidney interactions during acute injury, AKI-CRRT Conference</i>	Mar 2018	San Diego
<i>What do we know about E-cigarettes? American Lung Association, Lung Force EXPO</i>	Mar 2017	San Diego
<i>E-cigarettes, What's the harm? Rady Children's Hospital Grand Rounds</i>	Nov 2016	San Diego
<i>Pint of Science</i>	May 2016	San Diego
<i>American Lung Association, Lung Expo, E-cigarettes</i>	Apr 2016	San Diego
<i>Scripps Mercy Grand Rounds, Updates in Asthma</i>	Jan 2016	San Diego
<i>Scripps Mercy Grand Rounds, E-cigarettes</i>	Oct 2015	San Diego

UCSD PRESENTATIONS

PCCM Fellows Research Retreat, Tips and Red Flags when choosing a research question	Dec 6, 2023
Expert Discussant at M&M, IM residency	Nov 22, 2023
Pathology Research Lecture Series seminar, E-cigarette effects across organ systems – why are they so toxic?	Oct, 2023
UCSD Medicine Grand Rounds	Oct 11, 2023
Division of Pulmonary & Critical Care Grand Rounds	Jan, 2023
Expert Discussant for Case Conference, IM residency	Nov, 2022
Women in Medicine: Networking, Interviewing and overall Best Practices in Self-Promotion as a Professional Woman in Medicine	Aug 25, 2022
Nizet Lab Meeting: COVID-19 and neutrophil function	Sept 14, 2020
Division of Physiology Research Seminar	July 22, 2020
Nizet Lab Meeting: E-cigarette impacts on the lung and inflammation	Apr 28, 2020
Division of Pulmonary & Critical Care Grand Rounds	Aug 29, 2019
Osher Center	June 6, 2019
Department of Medicine, Lung Investigators Meeting	Dec 4, 2018
Department of Pediatrics, Special Seminar in Pulmonary Medicine, Microbiology and Immunology	June 21, 2018
Division of Pulmonary & Critical Care Grand Rounds	March 1, 2018
Department of Medicine, Lung Investigators Meeting	Oct 24, 2017
Division of Physiology Research Seminar	May 3, 2017
Department of Medicine, Lung Investigators Meeting	Feb 21, 2017
Nizet Lab Meeting: Effects of e-cigarettes on innate immunity and cardiorenal function	Sept 19, 2016
Department of Pathology, Research Seminar	Oct 19, 2015
Department of Medicine, Lung Investigators Meeting	Oct 13, 2015
Department of Medicine Grand Rounds	Jan 28, 2015
Division of Physiology Research Seminar	Jan 21, 2015
Health Matters TV, “E-cigarettes, Vaping and MRSA”	Jul 17, 2014

<http://www.ucsd.tv/search-details.aspx?showID=28132>

ADDITIONAL ACTIVITIES**UCSD**

2025-current	UCSD Committee on Educational Policy (CEP)
2025	UCSD Internal Medicine Residents Research Symposium – Judge
2024	UCSD PCCM Fellowship Selection Committee
2024-current	UCSD Committee on Research Grants – Health Sciences
2024	UCSD DOM Mentoring Award Selection Committee
2024	UCSD Faculty Mentoring Training Program (FMTP)
2024	UCSD Internal Medicine Residents Research Symposium – Judge
2023-current	UCSD CLEAR Committee (Vice-Chair x2 years, current Chair)
2022-2025	UCSD DOM Lactation Accommodation Workgroup
2022-2025	UCSD PCC Medicine Gender Equity Workgroup
2022-2023	UCSD PCCSM Division EDI Committee member
2021	UCSD School of Medicine Competencies and Objectives Working Group
2021-2023	UCSD Department of Medicine Research Committee
2018-2023	UCSD Search Committee – Interventional Pulmonary
2018-2025	Director of Foundations of Medicine (block 1), UCSD School of Medicine
2017-2019	Associate Program Director for UCSD PCCSM Fellowship Program
2017-2018	UCSD Internal Medicine Residency Program, Intern Mentor
2017	UCSD Internal Medicine Residents Research Symposium – Judge

2017-2022	UCSD Cystic Fibrosis Director, Search Committee
2016	UCSD Internal Medicine Residents Research Symposium – Judge
2014-2025	UCSD Women in Health Sciences Planning Committee
2014-2017	UCSD Ebola Response Team / Infectious Disease Care Unit Critical Care Attending
2014	UCSD DOM PCC Faculty Search Committee
2013-current	UCSD PCC Fellowship Research Committee
2013-2016	UCSD T-32 Training Grant Committee for the Divisions of Physiology and PCC
2012-2022	UCSD PCCM Fellowship Selection Committee
2012-2017	UCSD PCC Fellowship Education Committee
2012-2015	UCSD Faculty Mentor Program
2012-2013	UCSD SOM Women in Medicine, Attending-Med Student Mentoring Program – participant
2011-2015	UCSD DOM Division of PCC Advisor-Advisee Program – Co-chair and participant
2011-2013	UCSD DOM Division of PCC Peer Mentoring Program – Director and participant

General

2024	Scientific Advisor for the Young Investigator’s Forum
2023	ALA Lung Force Walk
2022	Scientific Advisor for the Young Investigator’s Forum
2022	AAMC Leadership Development Seminar for Women Faculty in Medicine and Science
2021-current	CHEST Tobacco Action Workgroup member
2021	AAMC Leadership Development Seminar for Women Faculty in Medicine and Science
2021	VA Vaccine Clinic Volunteer
2020	Advisor for the Young Investigator’s Forum
2020	Rady Children’s Summer Medical Academy, Teen Vaping Advisory Committee
2019	ATS 2019 Bear Cage Judge
2019	Chair of the Fellows Case Conference, ATS 2019
2019	Science Olympiad (middle school) visit to basic science labs
2018-2019	Torrey Pines Elementary School (TPES) Room Parent
2017-2020	Co-host of the International E-cigarette Journal Club
2017-current	NIH NHLBI PreCISE Asthma Network
2017-2018	Torrey Pines Elementary School (TPES) Foundation Board Member, Co-Chair of Campus Relations
2017-2022	VASDHS IACUC Committee
2016-2018	ATS Ziskind Award Committee
2011-current	Lung Ladies of San Diego – Organizer and participant
2010-current	Mother to 13 and 15 year-old boys (Grant and Henry, respectively)

CURRICULUM DEVELOPMENT

2023-2024	UCSD and VASDHS Lung Cancer Curriculum for PCCM Fellows
2022-current	TRDRP funded Smoke and Vape Free Scholars Program, UCSD and CSUDH STAR program https://pulmonary.ucsd.edu/research/labs-centers/star-program/index.html
2022-2024	UCSD and VASDHS Outpatient Pulmonary Podcasts for PCCM Fellows (Dr. Erica Lin)
2020-2022	ATS COVID-19 Critical Care Forum, weekly to monthly
2018-2025	UCSD School of Medicine, block 1 – Foundations of Medicine Aug-Oct annually
2017-2020	Virtual ATS Resident Boot Camp, for incoming PCC fellows: May 18-19, ATS 2018 “ “ “ “ “ “ “ May 17-18, ATS 2019 “ “ “ “ “ “ “ May 15-16, ATS 2020
2016-2019	ATS Research Core Training
2016-2019	ATS Career Development Core Training
2016-2019	Best of ATS Video Lecture Series, Co-Chair 2016-2018, Reviewer and Editor
2014-2017	UCSD PCC, Sleep and Physiology Annual Academic Retreat
2013-2016	Scholarly Activities Meeting (SAM), UCSD, PCC Division
2012-2020	ATS Resident Boot Camp, for incoming PCC fellows: May 16-17, ATS 2014

“	“	“	“	May 15-16, ATS 2015
“	“	“	“	May 13-14, ATS 2016
“	“	“	“	May 18-19, ATS 2017
“	“	“	“	May 18-19, ATS 2018
“	“	“	“	May 17-18, ATS 2019

TEACHING

Negotiation (IM residents and chief residents)	1 hour	July 16, 2025
Medical School Lecture – Molecular Markers of Cancer	1 hour	Sept 12, 2024
Medical School Lecture – DNA Mutagenesis and Repair	1 hour	Sept 5, 2024
Medical School Lecture – Literature Group	1 hour	Sept 2, 2024
How to be a great interviewee (IM residents and chief residents)	1 hour	Aug, 2024
Expert Discussant for M&M (IM residents)	1 hour	Nov 22, 2023
Medical School Lecture – DNA Mutagenesis and Repair	1 hour	Sept 5, 2023
Medical School Lecture – Literature Group	1 hour	Sept 5, 2023
Medical School Lecture – Introduction to Foundations of Medicine	1 hour	Sept 5, 2023
How to be a great interviewee (IM residents and chief residents)	1 hour	Aug, 2023
ATS Junior Faculty Boot Camp – Negotiation	2 hours	May 19, 2023
Medical School Lecture – DNA Mutagenesis and Repair	1 hour	Sept 13, 2022
Medical School Lecture – Literature Group	1 hour	Sept 6, 2022
Medical School Lecture – Introduction to Foundations of Medicine	1 hour	Sept 6, 2022
How to be a great interviewee (IM residents and chief residents)	1 hour	Aug, 2022
Medical School Lecture – Mechanisms of Cell Death	1 hour	Sept 10, 2021
Medical School Lecture – DNA Mutagenesis and Repair	1 hour	Sept 10, 2021
Medical School Lecture – Literature Group	1 hour	Sept 8, 2021
Medical School Lecture – Introduction to Foundations of Medicine	1 hour	Sept 8, 2021
Negotiation (IM residents and chief residents)	1 hour	July 16, 2021
How to be a great interviewee (IM residents and chief residents)	1 hour	July 2, 2021
Central Line Insertion (IM interns)	4 hours	June 25, 2021
Expert Discussant for Sign-out Rounds (IM residents)	1 hour	June 25, 2021
Expert Discussant for Sign-out Rounds (IM residents)	1 hour	May 28, 2021
Expert Discussant for Sign-out Rounds (IM residents)	1 hour	April 23, 2021
Expert Discussant for Sign-out Rounds (IM residents)	1 hour	March 26, 2021
Medical School Lecture – Mechanisms of Cell Death	1 hour	Sept 10, 2020
Medical School Lecture – DNA Mutagenesis and Repair	1 hour	Sept 10, 2020
Medical School Lecture – Literature Group	1 hour	Sept 8, 2020
Medical School Lecture – Introduction to Foundations of Medicine	1 hour	Sept 8, 2020
Master Clinician for Mystery Case, noon conference (IM residents)	1 hour	Apr 7, 2020
Choosing the right project (PCC fellows)	1 hour	Nov 25, 2019
Expert Discussant for Clinical Case Conference (IM residents)	1 hour	Oct 9, 2019
Medical School Lecture – Mechanisms of Cell Death	1 hour	Sept 20, 2019
Medical School Lecture – DNA Mutagenesis and Repair	1 hour	Sept 5, 2019
Medical School Lecture – Literature Group	1 hour	Sept 3, 2019
Medical School Lecture – Introduction to Foundations of Medicine	1 hour	Sept 3, 2019
Master Clinician for Mystery Case, noon conference (IM residents)	1 hour	Feb 6, 2019
Cardiac and Abdominal Ultrasound Hands-on Teaching (IM residents)	4 hours	Feb 1, 2019
Expert Discussant for Morning Report (IM residents)	1 hour	Dec 17, 2018
Vascular and Abdominal Ultrasound Hands-on Teaching (IM residents)	4 hours	Dec 14, 2018
Medical School Team Based Learning – Fragile X	2 hours	Sept 18, 2018
Medical School Team Based Learning – CF and ADPKD	2 hours	Sept 12, 2018
Medical School Lecture – DNA Mutagenesis and Repair	1 hour	Sept 6, 2018
Medical School Lecture – Literature Group	1 hour	Sept 4, 2018

Medical School Lecture – Introduction to Foundations of Medicine	1 hour	Sept 4, 2018
Vascular and Abdominal Ultrasound Hands-on Teaching (IM residents)	4 hours	Mar 9, 2018
Pulmonary Exam (medical students)	4 hours	Feb 21, 2018
Medical School Lecture – Host Defense in the Lung	1 hour	Feb 15, 2018
Medical School Lecture – Asthma	1 hour	Feb 7, 2018
Medical School Lecture – Upper Airways Disease	1 hour	Feb 7, 2018
Medical School Lecture – Presentation of a Patient with Pulmonary Disease	1 hour	Feb 6, 2018
Blood Drawing, Hands-on Teaching (medical students)	2 hours	Aug 31, 2017
Discussant for Morning Report (IM residents)	1 hour	Sept 25, 2017
Medical School Lecture – DNA Replication	1 hour	Sept 8, 2017
Asthma Phenotyping (PCC fellows)	30 min	June 12, 2017
Chest Tube Indications (Emergency Room physicians)	1 hour	June 5, 2017
Thoracic Ultrasound, ATS Resident Boot Camp (residents)	4 hours	May 19, 2017
Chest Tube Indications (Emergency Room physicians)	1 hour	April 24, 2017
Chest Tube Indications and Troubleshooting (IM residents)	1.5 hour	April 14, 2017
Medical School Lecture – Host Defense in the Lung	1 hour	Feb 10, 2017
Medical School Lecture – Asthma	1 hour	Feb 8, 2017
Medical School Lecture – Upper Airways Disease	1 hour	Feb 8, 2017
Medical School Lecture – Presentation of a Patient with Pulmonary Disease	1 hour	Feb 7, 2017
Expert Discussant for M&M (IM residents)	1 hour	Nov 23, 2016
Pulmonary Physiology Small Group (medical students)	4 hours	Nov 14 & 21, 2016
Medical School Lecture – Pulmonary Pharmacology	2 hours	Nov 17, 2016
Vascular and Abdominal Ultrasound Hands-on Teaching (IM residents)	3 hours	Oct 30, 2016
Expert Discussant for Streptococcal Pneumonia Care (IM residents)	1 hour	Oct 26, 2016
Medical School Lecture – DNA Mutagenesis and Repair	1 hour	Sep 9, 2016
Medical School Lecture – DNA Replication	1 hour	Sep 8, 2016
Cardiac Ultrasound Hands-on Teaching (residents)	4 hours	Sep 6, 2016
Pulmonary Ultrasound Hands-on Teaching (PCC faculty and fellows)	4 hours	Aug 17, 2016
Cardiac Ultrasound Hands-on Teaching (PCC faculty and fellows)	4 hours	Aug 15, 2016
Faculty and Fellow Q&A, ATS Resident Boot Camp (residents)	4 hours	May 14, 2016
Keys to Success, ATS Resident Boot Camp (residents)	4 hours	May 13, 2016
Pulmonary Skills, Hands On (medical students)	2 hours	Feb 24, 2016
Cardiac Ultrasound Hands-on Teaching (residents)	4 hours	Feb 12, 2016
Medical School Lecture – Pharmacology Lecture	1 hour	Feb 11, 2016
Medical School Lecture – Host Defense in the Lung	1 hour	Feb 11, 2016
Medical School Lecture – Asthma	1 hour	Feb 10, 2016
Medical School Lecture – Allergic Rhinitis and SCIT	1 hour	Feb 10, 2016
Chalk Talk – Asthma (PCC fellows)	1 hour	Jan 8, 2016
Cardiac Ultrasound Hands-on Teaching (residents)	4 hours	Dec 18, 2015
Host Defenses in the Lung (medical students; Malaysia)	1 hour	Nov 24, 2016
Lecture – E-cigarettes (medical students; Malaysia)	1 hour	Nov 24, 2016
Pulmonary Physiology Small Group (medical students)	4 hours	Nov 13 & 23, 2015
Cardiac Ultrasound Hands-on Teaching (residents)	4 hours	Nov 20, 2015
Medical School Lecture – Pulmonary Pharmacology	1 hour	Nov 20, 2015
Rhinitis and Immunotherapy (residents)	1 hour	Jun 19, 2016
ATS Resident Boot Camp – When to Submit Abstracts, Chapters and Papers (residents)	4 hours	May 16, 2015
ATS Resident Boot Camp – How to Choose a Mentor (residents)	4 hours	May 15, 2015
Pulmonary Lecture – Pharmacology Lecture (med students)	1 hour	Feb 12, 2015
Pulmonary Lecture – Host Defense in the Lung (med students)	1 hour	Feb 12, 2015

Pulmonary Lecture – Asthma (med students)	1 hour	Feb 11, 2015
Pulmonary Lecture – Allergic Rhinitis and SCIT (med students)	1 hour	Feb 11, 2015
Group Observed Structured Clinical Exam (medical students)	2 hours	Jan 14, 2015
Pulmonary Pharmacology Lecture (medical students)	1 hour	Nov 14, 2014
Pulmonary Physiology Small Group (medical students)	4 hours	Nov 7 & 17, 2014
ATS Resident Boot Camp – How to Choose a Mentor (residents)	4 hours	May 16, 2014
Pulmonary Skills, Hands On (medical students)	2 hours	Feb 12, 2014
Pulmonary Lecture – Host Defense in the Lung (med students)	1 hour	Feb 5, 2014
Pulmonary Lecture – Asthma (medical students)	1 hour	Feb 4, 2014
Pulmonary Lecture – Allergic Rhinitis and SCIT (med students)	1 hour	Feb 4, 2014
Eosinophilic Lung Disease (PCC Fellows)	1 hour	Dec 20, 2013
Pulmonary Pharmacology Lecture (medical students)	1 hour	Nov 15, 2013
Pulmonary Physiology Small Group (medical students)	2 hours	Nov 14, 2013
Pulmonary Exam (medical students)	2 hours	Feb 6, 2013
Critical Care (housestaff)	5 hours	Jan 1,3,8,10&15 2013
Pulmonary Physiology (medical students)	6 hours	Nov 9, 15 & 19 2012
Pulmonary Exam (medical students)	4 hours	Feb 1 & 8 2012
Interstitial Lung Disease (housestaff and PCC fellow)	2 hours	Jan 2012
Hypothermia (PCC fellows)	1 hour	Jan 2012
Critical Care (housestaff)	1 hour	Aug 2011 x2

TRAINEES/MENTEES

Junior faculty

2026-current	Lobna Shahatto, MD, UCSD nocturnal hospitalist
2024-current	Christina Finch, MD, UCSD and Rady Childrens junior faculty, UCSD Faculty Senate Grant April 2025
2024-current	Ukachi Emeruwa, MD MPH, UCSD NCLAM scholar, OB/Gyn
2024-current	Lokesh Sharma, PhD, University of Pittsburgh, UCSD RAPID Scholar
2023-2024	Brinda Desai, MD, UCSD junior faculty and T32 fellow
2023-2024	Lauren Sullivan, MD, UCSD Assistant Professor of Medicine
2022-current	Alessandra Castaldi, PhD, UCSD junior faculty
2022-2024	Ashlee Brunaugh, PhD, UCSD RAPID Scholar, University of Michigan junior faculty
2022-current	Christine Lin, MD, UCSD junior faculty (K08)
2022-current	Christine Bojanowski, MD, Assistant Professor of Medicine at Tulane (K22 award among other grants; applying for K08)
2022-current	Jacob Bailey, MD, UCSD junior faculty (2 grants)
2021-current	Michael Lam, MD PhD, UCSD junior faculty (VA CDA-2 awarded in 2023)
2021-current	Mona Alotaibi, MD, UCSD junior faculty (K08)
2021-current	Erica Lin, MD, UCSD Assistant Professor of Medicine (APCCMPD MedEd Grant; Director of Pulmonary Block for SOM and SOP; VA MedEd Associate Chief of Staff)
2021-2023	Mario Perez, MD, University of Connecticut (applying for K08)
2019-2023	Angela Meier, MD PhD, Assistant Professor of Medicine at UCSD, now Associate Professor (K22 2020; R01 in 2023)
2018-2024	Joanna Mu Chun Tsai, PCC Fellow, The Ohio State University – now Clinical Instructor (applying for K08)
2018-current	Mark Hepokoski, MD, Assistant Professor of Medicine at UCSD (VA CDA-2 2018; R01 and VA Merit in 2024)
2013-2014	Shymaa Enany, PhD, Visiting Faculty; now Associate Professor, Faculty of Pharmacy, Suez Canal University, Ismailia, Egypt

Postdoctoral fellows

2024-current	Sophia Karandashova, MD PhD, UCSD Pediatric Pulmonary Fellow
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2022-current	Alexia Perryman, PhD, UCSD IRACDA Postdoctoral Fellow
2022-2023	Lauren Sullivan, MD, UCSD PCCM fellow (UCSD Assistant Professor of Medicine)
2022-current	Avnee Kumar, MD, UCSD T32 fellow and junior faculty (T32)
2021-2025	Laura Barnes, MD, UCSD PCCM fellow (T32; ATS ASPIRE award)
2021-current	Stephen Rawlings, MD PhD, UCSD ID fellow
2020-current	Le Xu, PhD, UCSD Pediatric Postdoc (Dr. Xin Sun is the primary mentor; AHA Postdoc Award in 2022; K99/R00 in 2024)
2020-2021	Erica Lin, MD, UCSD PCCM fellow, now junior faculty at UCSD and ACOS of MedEd at the VASDHS
2020-2022	Jacob Bailey, MD, UCSD PCCM fellow, now junior faculty at UCSD
2020-2022	Ankita Mittal, MD, research fellow, now an Anesthesia resident at Utah, to be a UCSF fellow
2020-2021	Arjun Patel, MD, UCSD postdoctoral fellow, Family Medicine Resident in NY, now a Sports Medicine specialist in La Quinta
2019-2023	Barsha Dash, PhD, co-mentor for postdoctoral fellow in Dr. Sun's lab (TRDRP postdoc award in 2022)
2019-2022	Shigeki Miyamoto, PhD, co-mentor for postdoctoral fellow in Dr. Heller Brown's lab (TRDRP postdoc award in 2020)
2019-current	Jorge Masso-Silva, PhD, postdoctoral fellow (TRDRP postdoctoral award 2023; applying for K99/R00)
2018-2020	Cameron Brand, PhD, co-mentor for postdoctoral fellow in Dr. Joan Heller Brown's lab, now in industry
2018-2020	Shreyes Boddu, DO, postdoctoral fellow, now an Internal Medicine resident at Oklahoma State University, now a PCC fellow in Texas
2016-2018	Christine Bojanowski, PCC Fellow, UCSD, now Assistant Professor of Medicine at Tulane (K22 award among other grants)
2015-2018	Mark Hepokoski, PCC Fellow, UCSD, now Assistant Professor of Medicine at UCSD with a VA Career Development Award (CDA)-2
2015-2016	Anuja Vyas, UCSD PCC Fellow, now in private practice

Residents

2022-2024	Samantha (Sami) Marley, MD, UCSD Internal Medicine resident
2020-2022	Ana Lucia Fuentes, UCSD Internal Medicine resident, now a UCSD PCCM fellow
2017-2019	Victor Chun, UCSD Internal Medicine resident, conducted research in the lab and presented at ATS and the APSR (won travel awards for both), was a UCLA PCC Fellow (2020), and now UCSD junior faculty
2017-2021	Sean DeWolf, UCSD IM resident, became a UCSD PCCSM Fellow, now with a F32 award and junior faculty at UCSD
2014-2018	Jisha Joshua, MD, UCSD IM resident, completed UCSD PCC Fellowship and is now Assistant Professor of Medicine at UCSD
2012-2015	Brenda Marsh, MD PhD, Internal Medicine Resident, UCSD; Completed PCC Fellowship at OHSU, was an Assistant Professor of Medicine at OHSU, now private practice

Medical and Graduate Students

2022, 2025-	Hunter Gage, graduate student at UCSD (<i>thesis committee member</i>)
2024-2025	Irving Jesus Reyes, medical student at UCSD from Mexico as part of ENLACE program, now in residency at Medica Sur
2024-2025	Diego Porras, medical student at UCSD from Mexico as part of ENLACE program
2024-2025	Quan Vo, medical student at University of Arizona at UCSD as part of the MSTAR program
2022-2024	Jeffrey Hendel, UCSD medical student, graduated 2023 and is now in residency
2022-2023	Sanil Gandhi, Boston University medical student
2021-2023	Gabrielle Webb, Harvard School of Public Health graduate student (<i>thesis committee member</i>)
2021-2022	Jordan G Marganski, UCSD medical student (one 2 nd -author paper)

2016-2021	Ashley Du, UCSD medical student (class of 2024; multiple papers)
2020-2021	Saniya Bonde, UCSD medical student (1 co-authored paper)
2013-2017	Sagar Bapat, MD PhD Student at UCSD and the Salk Institute, San Diego; Now a junior faculty member in Pathology at UCSF (K08; co-authored a Nature paper)
2012-2014	Shari Nicatia, Pharmacy Student, Utrecht University, Netherlands; Now a pharmacist in the Netherlands (2 co-authored papers)
2011	Stephanie Feldstein, Medical Student, UCSD
2011	Per Johansson, Medical Student, Sweden

Undergraduate, Masters and Post-bac Students

2023-2026	Poorvi Saini, UCSD undergraduate (BS MS program), medical student in TX 2025-
2023-current	Katarina Nicola, UCSD undergraduate
2023-current	Gerald Retonel, UCSD undergraduate
2023-2025	Leanne Dugan, UCSD undergraduate (BS MS program), graduate student at U Michigan 2025-
2022-2024	Caroline Ma, UCSD graduate and postbac
2022-2023	Sowmya Kolluru, UCSD undergraduate, now a medical student
2022-2023	Sabina Anderson, Amherst College undergraduate
2021-2022	Alex Frounjian, UCSD undergraduate, now in Biotech
2021-current	Nikita Kasaraneni, UCSD undergrad and post-bac, graduated 2023, med student at Loyola 2026-
2021-2024 (OHSU) 2024-	Howard Chang, UCSD undergraduate and post-bac, graduated 2022, med student at Oregon
2021-2023	Diego Oliva, UCSD undergraduate and post-bac, graduated 2022
2021-current	Samvel Gaboyan, UCSD undergraduate (BD MS program), med student at Henry Ford 2026-
2021-2023	Ben Ma, UCSD undergraduate and post-bac, graduated 2022, now a medical student at Tuoro University, Nevada
2021-2023	Jade McDermott, UCSD undergraduate
2021-2023	Harnoor Sidhu, UCSD undergraduate
2021-2024	Caitlyn Truong, UCSD undergraduate (BS MS program), now a medical student
2020-2022	William Merz, UCSD undergraduate, graduated 2022, now in Biotech
2019-current	Samantha Perera, UCSD undergraduate & post-bac researcher, UCSD MPH 2025
2019-2020	Sagar Mehta, UCSD undergraduate
2019-2021	Deepti Gunge, UCSD undergraduate & post-bac researcher, now a medical student at Toro
2019-2022	Kenneth Park, UCSD undergraduate & post-baccalaureate researcher, now a medical student at Loma Linda
2019-current	Josephine Pham, UCSD undergraduate & post-baccalaureate researcher, now a medical student at Rosalind Franklin Medical School in Chicago, applying for IM residency (fall 2025)
2018-2021	Yi (Ella) Chen, UCSD undergraduate, now in Pharma
2018-2025	Sedtavut Nilaad, MS, UCSD undergraduate, now post-Masters researcher
2018-2022	Ira Advani, UCSD undergraduate & post-baccalaureate researcher, now a medical student at Toro University
2018-2020	Arya Jahan, UCSD undergraduate, UCSD Medical Student (class of 2024), Cedars Sinai Anesthesia resident
2017-2022	Jarod Olay, BS MS, UCSD undergraduate & Masters researcher, now a graduate student at UCLA (started 2022)
2016-2017	Cameron Haghshenas, UCSD undergraduate
2016-2018	Nicolas Nguyen, UCSD undergraduate, completed his MPH at USC, now in venture capital at L.E.K. Consulting
2016-2017	Emily Le, UCSD undergraduate
2016-2018, 2020	Christian Javier, UCSD undergraduate, medical student at Western University of Health Sciences, TX, Medical resident as of 2023
2016-2018, 2020	Lauren Ma, UCSD undergraduate, medical student at Kansas City, resident as of 2023
2016-2019	Rita Al-kolla, UCSD undergraduate, now in medical school

2016-2020 John Shin, UCSD undergraduate
 2016-2021 Ashley Du, UCSD undergraduate and Masters student (completed her M.S.),
 UCSD Medical Student (class of 2024), UCSD Psychiatry resident
 2016-2018 Albert Tran, UCSD undergraduate
 2016-2017 Stefanie Ung, UCSD undergraduate, now a Pharmacy student at USC
 2014-2016 UCSD Undergraduate Biomedical Engineering team led by Ben Alemu
 2014-2017 ‘Marina’ Sae Jeong Anh, UCSD undergrad and Masters’ degree student, now in Biotech
 2014-2015 Gavin Shih, UCSD undergraduate
 2014-2016 Denzil Mathew, UCSD undergraduate, attended medical school in Nebraska, now a plastic
 surgery resident at UT Southwestern
 2014 Matthew Lyes, Duke post-baccalaureate researcher; attended Duke University Medical School,
 now in the UCSD Anesthesia Residency Program (2019-2022)
 2014-2020 Alexander Moshensky, UCSD undergraduate, now graduate student at UC Irvine
 2013-2015 John Hojoon Hwang, UCSD post-M.S. researcher; Temple medical school; UCLA pediatric
 residency; Pediatric CC fellowship
 2013-2015 Ivan Rojas, Undergraduate Researcher, UCSD
 2013-2014 Carola Dewitz, Masters Student, University of Veterinary Medicine Hannover, Germany;
 Completed her PhD in Berlin, Germany.
 2011-2014 Katherine Sladewski, Undergraduate Researcher, UCSD, attended PA school, now a PA
 2011-2013 Elisa McEachern, post-baccalaureate researcher; attended Weill Cornell Medical College,
 New York City, NY; now an IM resident at Northwestern
 2009-2011 Anh Nyugen, Masters Student, UCSD; Now a PA student at Samuel Merritt
 University, Oakland, CA

ADVISEES

2024-2026 Mira John, MD, UCSD Junior Faculty
 2022-2025 Brinda Desai, MD, UCSD Junior Faculty and now Michigan faculty
 2022-2025 Lauren Sullivan, MD, UCSD Junior Faculty and now U of S Carolina faculty
 2019-2022 Michelle Zhang, PCC fellow, UCSD, now at Scripps Encinitas
 2016-2023 Miranda Ween, Junior Faculty, Adelaide University, Australia
 2015-2017 Christopher Drummond, Postdoctoral Fellow, University of Toledo; Now in industry
 2015-2017 Moses Merete, UCSD Sophomore
 2015-2016 Meera Subash, Internal Medicine Resident, UCSD
 2015-2017 Stephanie Shin, MD, PCC Fellow, UCSD
 2014-2018 Ben Alemu, undergraduate UCSD
 2014-2015 Miranda Yu, undergraduate, UCSD
 2014-2016 Frank Huang, MD, PCC Fellow, UCSD
 2013-2016 Kim-Thuy Truong, MD, PCC Fellow, UCSD
 2011-2012 Chandra N. Keebler, MD, Medical Student, UCSD; Now an Internal Medicine Resident at
 Michigan

ABSTRACTS (>100 peer-reviewed, original research abstracts, listed in separate document)

POPULAR PRESS

2026 European Respiratory Society (ERS) Vision Live <https://channel.ersnet.org/channel-32-ers-vision-live?contId=121198>
 2025 ATS video podcast <https://breatheeasy.transistor.fm/episodes/ats-breathe-easy-the-truth-behind-vaping-myths>
 Medscape Medical News
https://urldefense.com/v3/https://www.medscape.com/viewarticle/vaping-increases-peptic-ulcer-disease-risk-2025a1000tej_!!LLK065n_VXAO!j-

- EUvMP5Hhg8tg3_mfkUrbPWLwz6f0DWuEcpTW6Xnx9Le3lRq3-AXCTeCuQ5zr8yTH9mwCLP7ah2_0ymNw\$
2023 KPBS Midday Edition San Diego <https://www.kpbs.org/podcasts/kpbs-midday-edition/how-schools-parents-can-combat-e-cigarette-epidemic>
VICE <https://www.vice.com/en/article/qjky7b/study-on-mice-suggests-vaping-damages-immune-system>
La Jolla Light, Letter to the Editor with Zinat Banjo: Our Readers Write: Keep adolescents away from vaping (Jan) <https://www.lajollalight.com/news/opinion/story/2023-01-24/our-readers-write-keep-adolescents-away-from-vaping>
Daily Free Press <https://dailyfreepress.com/2023/04/20/massachusetts-to-receive-41-million-in-multi-state-settlement-with-juul/>
2022 San Diego Union Tribune <https://www.sandiegouniontribune.com/opinion/story/2022-08-26/yes-on-california-proposition-31>
Fox <https://fox5sandiego.com/news/health/e-cigarettes-alter-bodys-organs-ucsd-research-team-finds/>
WNYM AM 970
2021 The Chronicle of Philanthropy <https://www.philanthropy.com/article/bloombergs-millions-funded-an-effective-campaign-against-vaping-could-it-do-more-harm-than-good>
2020 New York Times
Newsy
Consultant 360, Pulmonary: <https://www.consultant360.com/exclusive/pulmonology/copd/6-questions-about-evolving-landscape-vaping>
2019 BBC – radio show
Fox Morning News – TV show
Fox Afternoon News – TV show
Healthline article
BBC – radio show
BBC Breakfast – TV show
BBC Up All Night – radio show
BBC Evening News – TV show
NBC Evening News on VAPI epidemic
NPR Live Radio Show on VAPI epidemic
Washington Post article on VAPI epidemic
HuffPost, article on Vaping Associated Pulmonary Illness (VAPI)
Healio Pulmonology: Vaping, cigarette smoking worsen sleep quality in women
Healio Pulmonology: San Francisco bans sale of e-cigs, other vaping products
2018 The Economist
CNN, E-cigarettes, Where do we stand? <https://www.cnn.com/2015/12/31/health/where-we-stand-now-e-cigarettes/index.html>
2017 UT San Diego, E-cigarettes Pros and Cons
KUSI, Healthy Living Segment on Vaping (E-cigarettes) <http://www.kusi.com/new-study-smokers-who-switch-to-e-cigarettes-reduce-exposure-to-cancer/>
2016 CW6 San Diego Living, live TV news segment on Pint of Science and e-cigarettes
UT San Diego, Bradley Fikes <http://www.sandiegouniontribune.com/news/2016/jul/14/vaping-positive-public-health-levy/>
2015 UT San Diego, Bradley Fikes <http://www.sandiegouniontribune.com/news/2015/dec/31/e-cigarettes-cell-death-dna-wang-rodriguez/>
CBS News, Mary Brophy <http://www.cbsnews.com/news/e-cigarette-flavorings-linked-with-lung-disease/>
UT San Diego, Bradley Fikes <http://www.sandiegouniontribune.com/news/2016/mar/19/e-cigarettes-health-risk-smoking/>
Consultant360

2014

Formulary Watch

Reports written based on UCSD 2015 press release alone (no interview): University Herald,

Economic Times, Raw Story, San Diego Reader, NBC San Diego, NIH Medline

TIME magazine, Alice Park, “Here’s Why Bacteria Like E-Cigs.”

NPR / KPCC, “Study finds e-cigarettes increase superbug resistance.”

UT San Diego, Bradley Fikes

The Conversation, Laura E. Crotty Alexander

Reports written based on ATS International Conference 2014 press release: The Lancet,

Consumer Affairs (James R. Hood), Glamour magazine, Times of India