

CURRICULUM VITAE

Scott M. Langevin

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EDUCATION

- 2010 **Ph.D.** (Epidemiology), University of Pittsburgh, *Pittsburgh, PA*
Dissertation: MicroRNA-137 Promoter Methylation as an Etiologic and Prognostic Biomarker for Squamous Cell Carcinoma of the Head and Neck (mentor: Emanuela Taioli, MD, PhD)
- 2005 **M.H.A.**, Quinnipiac University, *Hamden, CT*
- 2001 Certificate of Cytotechnology (**C.T.**), Albany Medical College, *Albany, NY*
- 1999 **B.S.** (Biology), Siena College, *Loudonville, NY*

ACADEMIC APPOINTMENTS

Associate Professor (tenured) and Carpenter Cancer Research Scholar

University of Vermont Larner College of Medicine, Division of Hematology/Oncology
University of Vermont College of Nursing and Health Sciences, Dept. of Biomedical & Health Sciences
July 2023 - Present

Associate Director of Community Outreach & Engagement (COE)

University of Vermont Cancer Center
July 2023 - Present

Associate Professor of Epidemiology (tenured)

University of Cincinnati College of Medicine, Department of Environmental & Public Health Sciences,
Division of Epidemiology, Cincinnati, OH
September 2019 – July 2023

Co-Director of Clinical & Translational Research (CTR) Graduate Training Program

University of Cincinnati College of Medicine, Cincinnati, OH
February 2020 – July 2023

Member, University of Cincinnati Cancer Center

University of Cincinnati Cancer Center, Cincinnati, OH
November 2013 – July 2023

Assistant Professor of Epidemiology (tenure-track)

University of Cincinnati College of Medicine, Department of Environmental & Public Health Sciences,
Division of Epidemiology, Cincinnati, OH
July 2013 – August 2019

Postdoctoral Research Fellow in Environmental Pathology

Brown University, Departments of Epidemiology (School of Public Health) and Pathology & Laboratory Medicine (Division of Biology and Medicine), Providence, RI
Mentor: Karl T. Kelsey, MD, MOH
August 2010 – June 2013

Online Adjunct Faculty

Capella University, School of Public Service Leadership, Minneapolis, MN
July 2011 – March 2012

Predoctoral Fellow in Clinical and Translational Research

University of Pittsburgh, Clinical and Translational Science Institute, Pittsburgh, PA
Mentor: Emanuela Taioli, MD, PhD
June 2008 – May 2010

Graduate Student Researcher

University of Pittsburgh Cancer Institute, Div. of Cancer Prevention & Population Science, Pittsburgh, PA
August 2006 – June 2008

PROFESSIONAL WORK EXPERIENCE

Junior Public Health Epidemiologist (temporary 2009 H1N1 surveillance)

Rhode Island Department of Health, Division of Epidemiology & Infectious Disease, *Providence, RI*
April 2010 – July 2010

Cytopathology Supervisor

Georgetown University Hospital, Department of Anatomic Pathology, *Washington, DC*
June 2005 – August 2006

Cytotechnologist

Clinical Laboratory Partners, Cytology Department, *Newington, CT*
June 2003 – January 2005

Cytotechnologist

NorDx Laboratories, Cytology Department, *Scarborough, ME*
August 2001 – April 2003

TEACHING AND MENTORING EXPERIENCE

Graduate Course Instructorship

PH6020 (Epidemiology 1); Course Instructor (3 credit hours, 6 weeks); University of Vermont Larner College of Medicine; *Burlington, VT*
(Summer 2024)

BE/PH-9073 (Molecular Epidemiology); Course Instructor (2 credit hours, 14 weeks); University of Cincinnati College of Medicine, Department of Environmental & Public Health Sciences, Division of Epidemiology, *Cincinnati, OH*
(Spring 2014- Spring 2023)

BE-8088 (Cancer Epidemiology); Course Instructor (2 credit hours, 14 weeks); University of Cincinnati College of Medicine, Department of Environmental & Public Health Sciences, *Cincinnati, OH*
(Fall 2021, Fall 2022)

BE-7092 (Clinical & Translational Research - Clinical Research Professionals Masters Capstone); Course Instructor (2 credit hours each, 14 weeks each); University of Cincinnati College of Medicine, Department of Environmental & Public Health Sciences, *Cincinnati, OH*
(Spring 2020 – Spring 2022; Summer 2020- Summer 2022; Fall 2022, Spring 2023)

BE/PH-8029-001 (Epidemiology Division Seminar); Course Instructor (1 credit hour, 14 weeks), Course co-Instructor (Spring & Fall terms: 1 credit hour, 14 weeks); University of Cincinnati College of Medicine, Department of Environmental & Public Health Sciences, Division of Epidemiology, *Cincinnati, OH*
(Fall 2019 – Fall 2020; Spring 2021)

PH/ENV-7001 (Environmental Health Seminar); Instructor (1 credit hour); University of Cincinnati College of Medicine, Department of Environmental & Public Health Sciences, *Cincinnati, OH*
(Fall 2015; Spring 2016)

MPH 5512 (Principles of Epidemiology); Online Course Instructor (3 credit hours, 10 week course/term); Capella University School of Public Service Leadership, *Minneapolis, MN*
(Summer 2011; Fall 2011; Spring 2012)

EPIDEM 2171 (Cancer Epidemiology); Teaching Assistant; University of Pittsburgh Graduate School of Public Health, *Pittsburgh, PA*
(Spring 2008)

Graduate Course Guest Lectureships

PHAR-415 (Current Topics in Pharmacology and Epidemiology of Diseases); Virtual guest lecture: Introduction to Pharmacoepidemiology (1 lecture hour); Loyola University Chicago, Stritch School of Medicine, *Chicago, IL*
(Fall 2021)

MG-8011 (Advanced Fundamentals of Human Genetics); Guest lecture: Epigenome-wide association studies (1.0 lecture hour). University of Cincinnati College of Medicine, Department of Molecular Genetics, Biochemistry & Microbiology, *Cincinnati, OH*
(Fall 2015 – Fall 2019)

BE-8068 (Genetics of Complex Disease); Guest lectures: Introduction to Epigenetics (2.0 lecture hours), Epigenome-Wide Association Studies in Epidemiologic Research (2.0 lecture hour); University of Cincinnati College of Medicine, Department of Environmental & Public Health Sciences, Division of Epidemiology, *Cincinnati, OH*
(Spring 2015 – Spring 2018)

BE-8098 (Cancer Epidemiology); Guest lecture: Epidemiology of Head & Neck Cancer (1.0 lecture hour); University of Cincinnati College of Medicine, Department of Environmental & Public Health Sciences, Division of Epidemiology, *Cincinnati, OH*
(Spring 2014 – Spring 2020)

BE-8098 (Cancer Epidemiology); Guest lecture: SEER Stat (1.0 lecture hours); Mock Media Interview on Cervical Cancer (1.0 lecture hours); University of Cincinnati College of Medicine, Department of Environmental & Public Health Sciences, Division of Epidemiology, *Cincinnati, OH*
(Spring 2019)

PH-8092/8097 (MPH Practicum/Capstone); Co-Chair (1.5 hours): MPH Practicum and Cumulative Experience Presentations; University of Cincinnati College of Medicine, Department of Environmental & Public Health Sciences, Division of Public Health, *Cincinnati, OH*
(Spring 2018; Summer 2018)

GNTD-7003 (Ethics in Research/Scientific Integrity); Facilitator for small group discussion (1.0 hour); University of Cincinnati College of Medicine, *Cincinnati, OH*
(Spring 2016)

BIOL 2860 (Molecular Mechanisms of Disease); Guest lecture: Cancer Epidemiology (1.5 lecture hours); Brown University Pathobiology Graduate Program, *Providence, RI*
(Fall 2012)

PHP 2210 (Epidemiology of Chronic Disease); Guest lecture: Epidemiology of Hypertension (3 lecture hours); Brown University School of Public Health, *Providence, RI*
(Fall 2011 – Fall 2012)

EPID 5203 (Chronic Disease Epidemiology); Guest lecture: Health Insurance and Chronic Disease (2 lecture hours); SUNY Downstate School of Public Health, *Brooklyn, NY*
(Fall 2010 – Fall 2011)

PHP 1700 (Current Topics in Environmental Health); Guest lectures: Toxic Metals and Elements (1 lecture hour), and Solid and Liquid Waste (1 lecture hour); Brown University School of Public Health, *Providence, RI*
(Spring 2011)

CHSC 5201 (Introduction to Public Health Theory and Practice); Guest lecture: What Is Epidemiology? (2 lecture hours); SUNY Downstate School of Public Health, *Brooklyn, NY*
(Fall 2010)

EPID 5204 (Biomarkers and Molecular Epidemiology); Guest lecture: Genetic Biomarkers (lecture hours); SUNY Downstate School of Public Health, *Brooklyn, NY*
(Fall 2009)

Undergraduate Course Guest Lectureships

PH 365 (Epidemiology); Guest Lecture: How Can Epidemiology Help the Public Understand COVID-19? (1 lecture hour); Department of Public Health, Roger Williams University, *Bristol, RI* (Spring 2022)

BIOL1820 (Environmental Health and Disease); Guest lecture: Environmental Carcinogenesis (1 lecture hour); Brown University Division of Biology & Medicine, *Providence, RI* (Spring 2012)

Cytotechnology Certificate Program; Guest lecture: Cancer Screening and Public Health (1 lecture hour); Anisa M. Kanbour School of Cytotechnology, *Pittsburgh, PA* (Spring 2008 – Spring 2011)

BIO 391-01 (Introduction to Epidemiology); Guest lecture: Descriptive Epidemiology (2 lecture hours); Hampton University, *Hampton, VA* (Fall 2010)

Cytotechnology Certificate Program; Guest lecture: Carcinogenesis (2 lecture hours); Anisa M. Kanbour School of Cytotechnology, *Pittsburgh, PA* (Spring 2008 – Spring 2011)

Cytotechnology Certificate Program; Guest lecture: Healthcare Compliance (1 lecture hour); Anisa M. Kanbour School of Cytotechnology, *Pittsburgh, PA* (Spring 2009)

Academic Directorships

Co-Director, Clinical & Translational Research (CTR) Graduate Education Program, University of Cincinnati College of Medicine, *Cincinnati, OH* (Feb 2020 – Jul 2023)

Interim Co-Director, Masters in Public Health (MPH) – Epidemiology Concentration, University of Cincinnati College of Medicine, *Cincinnati, OH* (Aug 2017 – Jul 2018)

Graduate Academic Advisor*

Jacob Hendershot, MPH Program, University of Cincinnati College of Medicine, *Cincinnati, OH* (Aug 2015 – Aug 2017)

Currently: Lead Data Analyst, Medidata Solutions

Katherine Cimperman, MPH Program, University of Cincinnati College of Medicine, *Cincinnati, OH* (Jan 2016 – Dec 2017)

Currently: Clinical Operations Line Manager, Medpace

Rachel Ancona, Epidemiology Doctoral Program, University of Cincinnati College of Medicine, *Cincinnati, OH* (Sep 2019 – Jun 2020)

Currently: Assistant Professor of Emergency Medicine, WUSTL School of Medicine

Raghu Deep Darisi, MPH Program, University of Cincinnati College of Medicine, *Cincinnati, OH* (Aug 2020 – May 2021)

Currently: Dental Student, University of Southern California Herman Ostrow School of Dentistry

Shannon Griffin, Epidemiology Doctoral Program, University of Cincinnati College of Medicine, *Cincinnati, OH* (Oct 2018 – Jun 2023)

Currently: Doctoral Candidate, University of Cincinnati

Shima Yasin, Epidemiology Doctoral Program, University of Cincinnati College of Medicine, *Cincinnati, OH* (Mar 2019 – Jun 2023)

Currently: Doctoral Candidate, University of Cincinnati

Andrea Ankrum, Epidemiology Doctoral Program, University of Cincinnati College of Medicine, *Cincinnati, OH* (Aug 2019 – Jun 2023)

Currently: Predoctoral Student, University of Cincinnati

Kimberly Hart (Epidemiology Doctoral Program) University of Cincinnati College of Medicine, *Cincinnati, OH* (Dec 2022 – Jun 2023)

Currently: Doctoral Candidate, University of Cincinnati

Alexander Sprague (Medical Scientist Training Program (MD/PhD) - Epidemiology Doctoral student), University of Cincinnati College of Medicine, *Cincinnati, OH* (Jul 2021 – Jun 2023)

Currently: Predoctoral Student, University of Cincinnati

* As co-Director of the Clinical & Translational Graduate Education Program, I also serve as academic advisor to ~50% of active students (~45-50 students at any given time)

Graduate Thesis/Capstone Advisory Committee

Doctoral Dissertation

Dissertation Committee Member, Rachel Ancona, Epidemiology Doctoral Program, University of Cincinnati College of Medicine, *Cincinnati, OH* (Apr 2019 – May 2020)

Currently: Assistant Professor of Emergency Medicine, WUSTL School of Medicine

Dissertation Committee Member, Hannah Newton, Pathobiology and Molecular Medicine Doctoral Program, University of Cincinnati College of Medicine, *Cincinnati, OH* (Sep 2016 – Sep 2020)

Currently: Postdoctoral Fellow (Immunology), NCI/Nanotechnology Characterization Laboratory

Dissertation Committee Member, Leilei Shi, Biomedical Engineering Doctoral Program, University of Cincinnati College of Engineering & Applied Science, *Cincinnati, OH* (Jan 2020 – Nov 2021)

Currently: Assistant Professor of Electrical Engineering, Carolina University

Dissertation Committee Chair, Kacey Appel, Epidemiology Doctoral Program, University of Cincinnati College of Medicine, *Cincinnati, OH* (Jun 2021 – July 2022)

Currently: Senior Research Compliance Specialist, CCHMC Division of Child and Adolescent Psychiatry

Dissertation Committee Member, McKenzie Crist, Pathobiology and Molecular Medicine Doctoral Program, University of Cincinnati College of Medicine, *Cincinnati, OH* (Sep 2019 – April 2023)

Currently: Postdoctoral Fellow, Leukemia & Drug Development Lab (PI: Byrd), UC College of Medicine

Dissertation Committee Chair, Shima Yasin, Epidemiology Doctoral Program, University of Cincinnati College of Medicine, *Cincinnati, OH* (Jan 2022 – Jun 2023)

Currently: Doctoral Candidate, University of Cincinnati

Dissertation Committee Chair, Kimberly Hart, Epidemiology Doctoral Program, University of Cincinnati College of Medicine, *Cincinnati, OH* (Aug 2022 – Jun 2023)

Currently: Doctoral Candidate, University of Cincinnati

Dissertation Committee Member, Steven Sayson, Pathobiology & Molecular Medicine Doctoral Program, University of Cincinnati College of Medicine, *Cincinnati, OH* (Nov 2019 – Present)

Currently: Doctoral Candidate, University of Cincinnati

Masters Thesis/Capstone

Masters in Public Health Capstone

Capstone Committee Member; Sean Maynor; MPH Program, University of Cincinnati College of Medicine, *Cincinnati, OH* (Aug 2018 – Dec 2018)

Currently: Project Manager, Real Chemistry

Capstone Committee Chair; Katie Santanello; MPH Program, University of Cincinnati College of Medicine, *Cincinnati, OH* (Aug 2019 – Dec 2019)

Currently: Medical Student, University of New England College of Osteopathic Medicine

Capstone Committee Chair; Raghu Deep Darisi; MPH program, University of Cincinnati College of Medicine, *Cincinnati, OH* (Jan 2021 – Apr 2021)

Currently: Dental Student, University of Southern California Herman Ostrow School of Dentistry

MS-Clinical & Translational Research (Principal Investigator Track) Thesis

Thesis Committee Chair/Advisor; Nancy Lin, MD; MS-CTR (PI), University of Cincinnati College of Medicine, *Cincinnati, OH* (Completed Aug 2020)

Applications of hyperpolarized 129-xenon magnetic resonance imaging in pediatric asthma

Currently: Assistant Professor of Clinical Pediatrics, Perelman School of Medicine at UPenn

Thesis Committee Chair/Advisor; Keith Martin, DO; MS-CTR (PI), University of Cincinnati College of Medicine, *Cincinnati, OH* (Completed Dec 2020)

Association between unscheduled pediatric primary care visits and risk of developmental delay

Currently: Assistant Professor of Pediatrics, Johns Hopkins School of Medicine

Thesis Committee Chair/Advisor; Brandon Foreman, MD; MS-CTR (PI), University of Cincinnati College of Medicine, *Cincinnati, OH* (Completed Dec 2020)

Seizures and cognitive outcome after traumatic brain injury

Currently: Assistant Clinical Professor of Neurology & Rehabilitation Medicine, UC College of Medicine

Thesis Committee Chair/Advisor; Aaron Delman, MD; MS-CTR (PI), University of Cincinnati College of Medicine, *Cincinnati, OH* (Completed Apr 2021)

Short and long-term outcomes associated with technical variant liver grafts in pediatric liver transplantation: in-situ versus ex-vivo

Currently: Clinical Instructor, Department of Surgery, UC College of Medicine

Thesis Committee Chair/Advisor; Ruben Colman, MD; PhD; MS-CTR (PI), University of Cincinnati College of Medicine, *Cincinnati, OH* (Completed Apr 2021)

The natural history of infliximab immunogenicity and the effect on pharmacokinetics and clinical outcomes: A prospective pediatric Crohn disease cohort study

Currently: Clinical Instructor (Pediatric Gastroenterology), Stanford University School of Medicine

Thesis Committee Chair/Advisor; Preston Dean, MD; MS-CTR (PI), University of Cincinnati College of Medicine, *Cincinnati, OH* (Completed Apr 2021)

Understanding video laryngoscope screen visualization patterns in the pediatric emergency department and the impact on procedural performance

Currently: Assistant Professor (Clinical) Pediatric Emergency Medicine, Cincinnati Childrens'

Thesis Committee Chair/Advisor; Margot Lazow, MD; MS-CTR (PI), University of Cincinnati College of Medicine, *Cincinnati, OH* (Completed Apr 2021)

Characterizing temporal genomic heterogeneity in pediatric low-grade gliomas

Currently: Assistant Professor (Clinical), Pediatric Hematology/Oncology, Nationwide Children's Hospital

Thesis Committee Chair/Advisor; Kristine Karkoska, MD; MS-CTR (PI), University of Cincinnati College of Medicine, *Cincinnati, OH* (Completed Apr 2021)

Academic challenges and school service utilization in children with sickle cell disease

Currently: Assistant Professor (Clinical), Pediatric Hematology/Oncology, Cincinnati Childrens'

Thesis Committee Chair/Advisor; Andrew Krack, MD; MS-CTR (PI), University of Cincinnati College of Medicine, *Cincinnati, OH* (Completed Aug 2021)

Leukopenia and neutropenia as predictors for serious bacterial infections in febrile infants 60 days and younger

Currently: Instructor, Pediatrics-Emergency Med, University of Colorado School of Medicine

Thesis Committee Chair/Advisor; Clare Crosh, DO; MS-CTR (PI), University of Cincinnati College of Medicine, *Cincinnati, OH* (Completed Aug 2021)

A qualitative analysis of parental motivations and beliefs around early shared reading

Currently: Attending Physician (Pediatrics), Advocate Children's Hospital - Oak Lawn

Thesis Committee Chair/Advisor; Ellen Cody, MD; MS-CTR (PI), University of Cincinnati College of Medicine, *Cincinnati, OH* (Completed Apr 2022)

Successful urine multiplex bead assay to measure lupus nephritis activity

Currently: Assistant Professor of Pediatrics (Nephrology), Washington University St. Louis

Thesis Committee Chair/Advisor; Nancy Clemens, MD; MS-CTR (PI), University of Cincinnati College of Medicine, *Cincinnati, OH* (Completed Apr 2022)

Association between positive blood culture and organ dysfunction among children treated for sepsis in the pediatric emergency department

Currently: Attending Physician (Emergency Medicine), Geisinger Janet Weis Children's Hospital

Thesis Committee Chair/Advisor; Meghan Fanta, MD; MS-CTR (PI), University of Cincinnati College of Medicine, *Cincinnati, OH* (Completed Apr 2022)

Differences in the recognition of clinical deterioration in hospitalized children

Currently: Assistant Professor of Pediatrics (Hospital Medicine), Cincinnati Childrens' Medical Center

Thesis Committee Chair/Advisor; Ysabella Esteban, MD; MS-CTR (PI), University of Cincinnati College of Medicine, *Cincinnati, OH* (Completed Apr 2022)

Scanning what hertz: exploring the correlation of a pediatric musculoskeletal ultrasound scoring system with medication changes and JIA disease activity measures

Currently: Attending Physician (Rheumatology), Nationwide Childrens'

Thesis Committee Chair/Advisor; Nawal Merjaneh, MD; MS-CTR (PI), University of Cincinnati College of Medicine, *Cincinnati, OH* (Completed Apr 2022)

Chemotherapy induced thrombocytopenia in Ewing sarcoma, implications and potential for romiplostim supportive care

Currently: Attending Physician (Pediatric Hematology/Oncology), Phoenix Children's Hospital

Thesis Committee Chair/Advisor; Ryan Brady, MD; MS-CTR (PI), University of Cincinnati College of Medicine, *Cincinnati, OH* (Completed Jul 2022)

Celiac disease: Prevalence, characteristics, and diabetes-associated complications in youth with type 1 diabetes

Currently: Assistant Professor of Pediatrics (Endocrinology), Cincinnati Childrens' Medical Center

Thesis Committee Chair/Advisor; Maureen Dunn, MD; MS-CTR (PI), University of Cincinnati College of Medicine, *Cincinnati, OH* (Completed Jul 2022)

Patient and family engagement and resource production in learning health networks

Currently: Attending Physician (Pulmonology), Childrens' Hospital of Philadelphia

Thesis Committee Chair/Advisor; Corie Klepper, MD; MS-CTR (PI), University of Cincinnati College of Medicine, *Cincinnati, OH* (Completed Jul 2022)

Maternal nonalcoholic fatty liver disease: A driver of fetal hepatic steatosis?

Currently: Lecturer of Pediatrics, Harvard Medical School

Thesis Committee Chair/Advisor; Leah Fox, MD; MS-CTR (PI), University of Cincinnati College of Medicine, *Cincinnati, OH* (Completed Aug 2022)

Increased skin-to-skin care is associated with larger thalamic volume on MRI at term-equivalent in infants born very preterm

Currently: Assistant Professor (Pediatrics), University of Chicago Medicine

Thesis Committee Chair/Advisor; Kyle Merrill, MD; MS-CTR (PI), University of Cincinnati College of Medicine, *Cincinnati, OH* (Completed Aug 2022)

Assessment of risk factors of delayed graft function in pediatric kidney transplant recipients

Currently: Clinical Assistant Professor, Division of Nephrology, University of Iowa College of Medicine

Thesis Committee Chair/Advisor; Lauren Bodilly, MD; MS-CTR (PI), University of Cincinnati College of Medicine, *Cincinnati, OH* (Completed Mar 2023)

Obesity is associated with increased multi-organ failure but not mortality in pediatric patients with sepsis

Currently: Associate - Pediatrics, Division of Critical Care, University of Iowa College of Medicine

Thesis Committee Chair/Advisor; Elissa Engel, MD; MS-CTR (PI), University of Cincinnati College of Medicine, *Cincinnati, OH* (Completed Mar 2023)

Prevalence and Predictors of HHT and CM-AVM Syndrome Among Children with Neurovascular Malformations

Currently: Advanced Fellow in Pediatric Stroke and Vascular Medicine, Cincinnati Childrens' Med Ctr

Thesis Committee Chair/Advisor; Whitney Cameron, MD; MS-CTR (PI), University of Cincinnati College of Medicine, *Cincinnati, OH* (Completed Mar 2023)

Prevalence and Predictors of HHT and CM-AVM Syndrome Among Children with Neurovascular Malformations

Currently: Assistant Professor of Pediatrics, University of Texas Southwestern (UTSW)

Thesis Committee Chair/Advisor; Jonathan Bender, MD; MS-CTR (PI), University of Cincinnati College of Medicine, *Cincinnati, OH* (Completed Mar 2023)

Prevalence and Predictors of HHT and CM-AVM Syndrome Among Children with Neurovascular Malformations

Currently: Assistant Professor of Pediatric Hematology/Oncology, Cincinnati Childrens' Medical Center

Thesis Committee Chair/Advisor; Katie Brandewie, MD; MS-CTR (PI), University of Cincinnati College of Medicine, *Cincinnati, OH* (Completed Mar 2023)

Association of neonatal chylothorax with early fluid overload after cardiac surgery

Currently: Clinical Cardiology Fellow, Cincinnati Childrens' Medical Center

Thesis Committee Chair/Advisor; Jason Greenberg, MD; MS-CTR (PI), University of Cincinnati College of Medicine, *Cincinnati, OH* (Completed Mar 2023)

Contemporary Outcomes of Heart Transplantation in Children with Heterotaxy Syndrome: Sub-Optimal Pre-Transplant Optimization Translates into Early Post-Transplant Mortality

Currently: Clinical Research Fellow, Cincinnati Childrens' Medical Center

MS-Clinical & Translational Research (Clinical Research Professional Track) Capstone

Capstone Advisor; Iris Deeds; MS-Clinical & Translational Research (CRP), University of Cincinnati College of Medicine, *Cincinnati, OH* (Completed Dec 2020)

Currently: Clinical Research Project Manager, University of Cincinnati

Capstone Advisor; Zachary Flege; MS-Clinical & Translational Research (CRP), University of Cincinnati College of Medicine, *Cincinnati, OH* (Completed Apr 2021)

Currently: Study Operations Manager, AbbVie

Capstone Advisor; Dina Gomaa; MS-Clinical & Translational Research (CRP), University of Cincinnati College of Medicine, *Cincinnati, OH* (Completed Apr 2021)

Currently: Clinical Research Director, Department of Surgery, UC College of Medicine

Capstone Advisor; Kassie Hooker; MS-Clinical & Translational Research (CRP), University of Cincinnati College of Medicine, *Cincinnati, OH* (Completed Dec 2021)

Currently: Clinical Data Coordinator, The Research Foundation for SUNY (Albany)

Capstone Advisor; Samantha Kramer; MS-Clinical & Translational Research (CRP), University of Cincinnati College of Medicine, *Cincinnati, OH* (Completed Dec 2021)

Currently: Senior Clinical Research Professional, Dept of Internal Medicine, UC College of Medicine

Capstone Advisor; Cristofer Muench; MS-Clinical & Translational Research (CRP), University of Cincinnati College of Medicine, *Cincinnati, OH* (Completed Apr 2023)

Currently: Medical Student, University of Kentucky College of Medicine-Northern Kentucky Campus

Capstone Advisor; Angela Duggins, RN; MS-Clinical & Translational Research (CRP), University of Cincinnati College of Medicine, *Cincinnati, OH* (Completed Apr 2023)

Currently: Research Nurse III, CCHMC Div. of Pediatric Otolaryngology Head & Neck Surgery

Doctoral Qualifying Examination Committee

Qualifying Exam Committee Member, Taylor Wilson, Environmental Genetics & Molecular Toxicology Doctoral Program, University of Cincinnati College of Medicine, *Cincinnati, OH* (Oct 2022 – Jun 2023)

Qualifying Exam Committee Member, Bo Xiao, Environmental Genetics & Molecular Toxicology Doctoral Program, University of Cincinnati College of Medicine, *Cincinnati, OH* (Jun 2022 – Nov 2022)

Qualifying Exam Committee Member, Maulee Sheth, Biomedical Engineering Doctoral Program, University of Cincinnati College of Medicine, *Cincinnati, OH* (Aug 2022 – Oct 2022)

Qualifying Exam Committee Member, Kimberly Hart, Epidemiology Doctoral Program, University of Cincinnati College of Medicine, *Cincinnati, OH* (Jul 2021 – Sep 2021)

Qualifying Exam Committee Chair, Banan Alamoudi, Epidemiology Doctoral Program, University of Cincinnati College of Medicine, *Cincinnati, OH* (Nov 2020 – Apr 2021)

Qualifying Exam Committee Chair, Kacey Appel, Epidemiology Doctoral Program, University of Cincinnati College of Medicine, *Cincinnati, OH* (Nov 2020 – Jun 2021)

Qualifying Exam Committee Member, Rachel Ancona, Epidemiology Doctoral Program, University of Cincinnati College of Medicine, *Cincinnati, OH* (May 2018 – April 2019)

Laboratory Student Rotations

Shana White, Biostatistics Doctoral student/MECEH Predoctoral Fellow, University of Cincinnati College of Medicine, *Cincinnati, OH* (Nov 2014 – Dec 2014)

Ketrell McWhorter, Epidemiology Doctoral student, University of Cincinnati College of Medicine, *Cincinnati, OH* (Dec 2013 – Feb 2014)

Hannah Greenland, R25 PREP Post-Baccalaureate Fellow, University of Cincinnati College of Medicine, *Cincinnati, OH* (July 2021)

Mentorship Committees

Elizabeth Goehring, PhD, NIH/NICHD K99 (1K99HD104991-01) Mentorship Committee Member, “Placental and breastmilk microRNAs in relation to early-life growth and metabolism”, Emory University, Atlanta, GA (Apr 2021–Mar 2023)

Currently: Assistant Professor, Gynecology and Obstetrics, Emory University School of Medicine

Postdoctoral Mentorship

Sukanta Bhattacharya, PhD (co-Mentor: Center for Environmental Genetics New Investigator Award) “Oral Microbiome in PAH exposure-linked Head and Neck Cancer”, University of Cincinnati College of Medicine, *Cincinnati, OH* (Jun 2015 – May 2016).

Currently: Senior Postdoctoral Fellow, DEPHS, UC College of Medicine

Chenna Galiveti, PhD, “Cancer Exosomes”. University of Cincinnati College of Medicine, *Cincinnati, OH* (Nov 2019 – Sep 2021).

Currently: Senior Postdoctoral Fellow, University of Pittsburgh

Jimmy Vareta, PhD, “Germline Cancer-Risk Genes in Populations of African Descent”, University of Vermont Larner College of Medicine, *Burlington, VT* (Jan 2024 – Present)

Resident/Clinical Fellow Research Mentorship

Jeffrey Harmon, MD (Otolaryngology Resident), Research Project: “Mutational Landscape of Sinonasal Squamous Cell Carcinoma”, University of Cincinnati College of Medicine, *Cincinnati, OH* (Sep 2015 – March 2017)

Currently: Attending ENT Surgeon, Wyandot Memorial Hospital

Sulsal-UI Haque, MD (Hematology/Oncology Fellow), Research Rotation: “Genomics of Head and Neck Cancer”, University of Cincinnati College of Medicine, *Cincinnati, OH* (Jan 2017 – Apr 2018)

Currently: Assistant Professor (Clinical), Division of Hematology/Oncology, UC College of Medicine

Raisa Tikhtman, MD (Otolaryngology Resident), Research Project: “Fellowship-Trained Head & Neck Surgeon Density and Patient Outcomes”, University of Cincinnati College of Medicine, *Cincinnati, OH* (Jul 2021 – Present)

Graduate/Medical Student Research Mentorship

Daniel Bush (Epidemiology Doctoral Student), Independent Study (3 credit hours): “HPV16 as an independent risk factor for head and neck squamous cell carcinoma”, University of Cincinnati College of Medicine, *Cincinnati, OH* (Aug 2015 – Dec 2015)

Currently: Epidemiologist, Hamilton County Department of Public Health, *Cincinnati, OH*

Raghu Deep Darisi (MPH student), Volunteer Research: “Systematic Review of the Effects of Alcohol Use During Treatment for Head and Neck Cancer”, University of Cincinnati College of Medicine, *Cincinnati, OH* (Jan 2020 – May 2021)

Currently: Dental Student, University of Southern California Herman Ostrow School of Dentistry

Jabeen Taiba (MPH student), Volunteer Research: “Association of Cigarette Smoking with Methylation of a 3’UTR CpG island in *ZCCHC14* in the Oral Epithelium”, University of Cincinnati College of Medicine, *Cincinnati, OH* (Mar 2016 – May 2016)

Currently: Epidemiology Doctoral Student, University of Nebraska College of Public Health

Thomas O’Neil (Medical Student, Summer Research Associate: “Systematic Review of the Effects of Electronic Cigarettes on the Oral Microbiome”, University of Cincinnati College of Medicine, *Cincinnati, OH* (May 2020 – May 2023)

Currently: Otolaryngology Resident, Case Western Reserve University, *Cleveland, OH*

Anna Zhou (Medical Student: “Human Papillomavirus (HPV) and Sinonasal Squamous Cell Carcinoma”, University of Cincinnati College of Medicine, *Cincinnati, OH* (Apr 2021 – Present)

Alexander Sprague (MSTP/Epidemiology Doctoral student), Doctoral Research Mentee/Graduate Assistant, “Oral Rinse Methylation and Oral & Pharyngeal Cancer”. University of Cincinnati College of Medicine, *Cincinnati, OH* (Jul 2021 – Present)

Post-Baccalaureate Mentorship

Hannah Greenland, R25 PREP Post-Baccalaureate Fellow: “Neuronal-Derived Exosomes as Biomarkers of Cerebrovascular and Neurodegenerative Diseases”, University of Cincinnati College of Medicine, *Cincinnati, OH* (Aug 2021 – Present)

Currently: Doctoral Student, Indiana University BioMedical Gateway (IBMG) PhD Program

Undergraduate Mentorship

Scott Rubin (Intern, University of Wisconsin – Madison, *Madison, WI*), “Review of studies on metabolic genes and cancer in populations of African descent”, University of Pittsburgh, *Pittsburgh, PA* (May 2008 – Aug 2008)

Jeffrey Eugene (P20 Intern, Hampton University, *Hampton, VA*), “Prognostic significance of *MGMT* and *hMLH1* promoter methylation in pediatric brain tumor patients treated with temozolomide”, University of Pittsburgh, *Pittsburgh, PA* (May 2009 – Aug 2009)

Currently: Attending Physician, Div. of Adolescent Medicine, Children’s Hospital of Philadelphia

Mattie O’Sullivan (Summer Undergraduate Intern, University College Cork, *Cork, IRL*), “Interaction of HPV-16, citrus intake, and *SLC23A2* polymorphism for risk for head and neck squamous cell carcinoma”, Brown University, *Providence, RI* (May 2012 – Aug 2012)

Currently: Cancer Biology Doctoral Candidate, UC Davis

Elizabeth Fogleman (Summer Undergraduate Research Fellow, University of North Carolina, *Chapel Hill, NC*), “Occupational asphalt exposure and head and neck squamous cell carcinoma risk”, University of Cincinnati College of Medicine, *Cincinnati, OH* (May 2014 – Aug 2014)

Currently: MPH Student, Emory University / Biostatistician, RTI International

Jacob Hendershot (Undergraduate Biology Major; Undergraduate Researcher, University of Cincinnati, *Cincinnati, OH*), “Long non-coding RNA, common somatic mutations, and head and neck squamous cell carcinoma”, University of Cincinnati College of Medicine, *Cincinnati, OH* (Aug 2014 – Apr 2015)

Currently: Lead Data Analyst, Medidata Solutions

Tess Perry (Summer Undergraduate Research Fellow, Bethany College, *Bethany, WV*), “Exosomal microRNA in head and neck squamous cell carcinoma”, University of Cincinnati College of Medicine, *Cincinnati, OH* (May 2015 – Aug 2015)
Currently: Technical Business Analyst, Switchbox, Inc.

Jenna Dombroski (Summer Undergraduate Research Fellow, University of Buffalo, *Buffalo, NY*), “Evaluation of epidermal growth factor receptor as a surface marker for head and neck cancer-derived exosomes”, University of Cincinnati College of Medicine, *Cincinnati, OH* (May 2016 – Aug 2016)
Currently: Biomedical Engineering Doctoral Student, Vanderbilt University

Sara Keith (Undergraduate Biology Major, Independent Study, University of Cincinnati, *Cincinnati, OH*), Research Project: “Exosomal microRNA from HPV-positive head and neck squamous cell carcinoma”, University of Cincinnati College of Medicine, *Cincinnati, OH* (Dec 2017 – May 2018)
Currently: Microbiologist, Teva Pharmaceuticals

Stephanie Wronkiewicz (Undergraduate Research Credit, University of Cincinnati Honors Program, *Cincinnati, OH*), “Occupational asbestos exposure and laryngeal squamous cell carcinoma”, University of Cincinnati College of Medicine, *Cincinnati, OH* (Sep 2017 – Dec 2018)
Currently: Performance Improvement Leader, Northwestern Medicine (received MPH from BU)

Amber R. Watson (Summer Undergraduate Research Fellow, DePauw University, *Greencastle, IN*), “Ecological Investigation into Nuclear Facilities and Thyroid Cancer”, University of Cincinnati College of Medicine, *Cincinnati, OH* (May 2018 – Aug 2018)
Currently: Science Teacher, St. Louis Public Schools

Anna Oliverio (Summer Undergraduate Research Fellow, Thomas Moore University, *Crestview Hills, KY*), “HNSCC-derived exosomes and CD8+ T cell function”, University of Cincinnati College of Medicine, *Cincinnati, OH* (May 2019 – Aug 2019)
Currently: Postbaccalaureate Fellow, NIH Intramural Research Program

Caitlin Austin (Undergraduate Biology Major, Independent Research Credit, University of Cincinnati, *Cincinnati, OH*), “High-risk HPV in Sinonasal Squamous Cell Carcinoma Patients”, University of Cincinnati College of Medicine, *Cincinnati, OH* (Aug 2019 – Dec 2019)

Nick Russell (Undergraduate Biology Major, Undergraduate Researcher, University of Cincinnati, *Cincinnati, OH*), “Super-Resolution Imaging of Extracellular Vesicles”, University of Cincinnati College of Medicine, *Cincinnati, OH* (Jan 2021 – May 2021)
Currently: Undergraduate Medical Sciences Student (Sophomore), University of Cincinnati

Anish Sharma (Undergraduate Biology Major, Undergraduate Researcher, University of Cincinnati, *Cincinnati, OH*), “High-risk HPV in Sinonasal Squamous Cell Carcinoma Patients”, University of Cincinnati College of Medicine, *Cincinnati, OH* (Sep 2019 – Present)
Currently: Medical Student (M1), University of Cincinnati College of Medicine

Naomi Akagha (R25 Summer Undergraduate Research Fellow, Colby College, *Waterville, ME*), “L1CAM as a marker for neuronal-derived exosomes”, University of Cincinnati College of Medicine, *Cincinnati, OH* (May 2022 – Aug 2022)
Currently: Undergraduate Biology Major, Colby College

Gavin Beegan (R25 Summer Undergraduate Research Fellow, University of Cincinnati, *Cincinnati, OH*), “Exosome protein markers for head and neck squamous cell carcinoma”, University of Cincinnati College of Medicine, *Cincinnati, OH* (May 2022 – Nov 2022)

Currently: Undergraduate Biology Major, University of Cincinnati

High School Student Mentorship

Anish Sharma (Student Volunteer, Senior, Indian Hill High School, Indian Hill, OH), University of Cincinnati College of Medicine, *Cincinnati, OH* (May 2017 – Aug 2017; Jun 2018 – Aug 2018)

Currently: Medical Student (M1), University of Cincinnati College of Medicine

Emilia Ranalli (Student Volunteer, Sophomore, Mariemont High School, *Mariemont, OH*), University of Cincinnati College of Medicine, *Cincinnati, OH* (Jun 2016 – Aug 2016)

Currently: Undergraduate Biology Student, Wright State University

Margaret Niemeier (Student Volunteer, Freshman, Turpin High School, *Anderson Township, OH*), University of Cincinnati College of Medicine, *Cincinnati, OH* (Jun 2016 – Aug 2016)

Currently: Undergraduate Medical Sciences Student (Senior), University of Cincinnati

PROFESSIONAL CERTIFICATIONS

Teaching Certificate I, Sheridan Teaching Center, Brown University (Apr 2013)

Project Management Fundamentals, Ed2Go Online Course (Feb 2005)

American Society of Clinical Pathology Board Registry Certified Cytotechnologist (Aug 2001)

ACTIVE PROFESSIONAL AFFILIATIONS

Northern New England Clinical & Translational Research Network (NNE-CTR),
Member (Oct 2023-Present)

Vermonters Taking Action Against Cancer (VTAAC), Member (Aug 2023 – Present)

Association of American Cancer Institutes, Member (Aug 2023 – Present)

University of Vermont Cancer Center, Full Member (Aug 2023 – Present)

American Society for Exosomes and Microvesicles, Member (Mar 2018 – Present)

Cancer Epigenetics Society, Member (Dec 2017 – Present)

International Society for Extracellular Vesicles, Member (Feb 2016 – Present)

University of Cincinnati Cancer Center, Control and Population Science (CPCPS) Research,
Member (Nov 2013 – Jul 2023)

Center for Clinical & Translational Science & Training, University of Cincinnati Academic Health Center,
Member (Nov 2013 – Jul 2023)

Center For Environmental Genetics, University of Cincinnati,
Next Generation Biomedical Investigator (Jun 2014-Feb 2015)

Affiliate Member (Jan 2014 – Jul 2023)

AACR Molecular Epidemiology Working Group, Member (Dec 2013 – Present)

American Association for Cancer Research,

Associate Member (Sep 2007 – Nov 2013),

Active Member (Dec 2013 – Present)

AWARDS/HONORS

Invitee, International Society for Extracellular Vesicles Blood EV Workshop and Summit (limited to select 50 members worldwide), *Helsinki, Finland* (Aug 2022)
Gratitude Award, *University of Cincinnati College of Medicine* (Oct 2020)
American Cancer Society Research Scholar (Jan 2019)
Faculty Development Award, *University of Cincinnati College of Medicine* (2015, 2016, 2017, 2018, 2019, 2022)
NIH Loan Repayment Program Award for Clinical Research, *National Cancer Institute* (2012-2018)
Accepted to attend the AACR Integrative Molecular Epidemiology Workshop, *Boston, MA* (Aug 2014)
Student Leadership Award, *University of Pittsburgh Graduate School of Public Health* (Apr 2010)
Evelyn Wei Student Travel Award, *University of Pittsburgh Department of Epidemiology* (Apr 2007)
Faculty Award for Academic Excellence, *Quinnipiac University, MHA Program* (May 2005)
Graduated “With Distinction”, *Quinnipiac University* (May 2005)
Beta Gamma Sigma National Business Honor Society (Inducted May 2005)

SERVICE

Regional Service

Vermonters Taking Action Against Cancer (VTAAC)
Member, Prevention & Detection Workgroup (Aug 2023 – Present)
Member, HPV Taskforce (Jan 2024 – Present)
Member, Colorectal Cancer Taskforce (Jan 2024 – Present)

University Service

Faculty Search Committees

Co-Chair, University of Cincinnati Cancer Center Associate Director for Cancer Prevention, Control and Population Science (CPCPS) Search Committee, University of Cincinnati Cancer Center, *Cincinnati, OH* (Nov 2021 – Jul 2023)
Committee Member, Department of Environmental & Public Health Sciences Chair Search Committee, *Department of Environmental & Public Health Sciences, University of Cincinnati College of Medicine* (Jan 2021 – Nov 2021)
Chair, Open-Rank Epidemiology Faculty Search Committee (2 positions), *Department of Environmental & Public Health Sciences, University of Cincinnati College of Medicine* (Mar 2019 – Dec 2019)
Committee Member, Molecular Cancer Epidemiology Faculty Search Committee, *Department of Environmental Health, University of Cincinnati College of Medicine* (Jun 2017 – May 2018)
Committee Member, Biostatistics Faculty Search Committee, *Department of Environmental Health, University of Cincinnati College of Medicine* (Apr 2014 – May 2015)
Committee Member, MPH Faculty Search Committee, *University of Cincinnati College of Medicine* (Jan 2014 – May 2016)

Committees and Advisory Boards

Member, Center Clinical Research Oversight Committee, University of Vermont Cancer Center, *Burlington, VT* (Jan 2024 – Present)
Member, HPV Taskforce, Vermonters Taking Action Against Cancer (VTAAC), *Burlington, VT* (Jan 2024 – Present)
Member, Colorectal Cancer Taskforce, Vermonters Taking Action Against Cancer (VTAAC), *Burlington, VT* (Jan 2024 – Present)
Member, Prevention and Detection working group, Vermonters Taking Action Against Cancer (VTAAC), *Burlington, VT* (Aug 2023 – Present)

Senior Leadership team member, University of Vermont Cancer Center, *Burlington, VT* (Jul 2023 – Present)
Co-Chair, Clinical & Translational Research (CTR) Graduate Education Curriculum Committee, *University of Cincinnati College of Medicine* (Feb 2020 – Jul 2023)
Member, CTR Undergraduate Certificate Taskforce - Education Subgroup, *University of Cincinnati* (May 2022 – Jul 2023)
University of Cincinnati Cancer Center Scientific Advisory Council – Cancer Prevention, Control and Population Sciences Working Group, *University of Cincinnati Cancer Center*, Member (Jun 2020 – Jul 2023)
Chair, Genomics, Epigenomics and Sequencing Core Steering Committee, *Department of Environmental & Public Health Sciences, University of Cincinnati College of Medicine* (Nov 2019 – Jul 2023)
Committee Member, Center for Environmental Genetics (CEG) Integrative Technologies Support (ITS) Core Evaluation Committee, *Department of Environmental & Public Health Sciences, University of Cincinnati College of Medicine* (Apr 2020 – Jul 2023)
Committee Member, Departmental Vision Taskforce, *Department of Environmental & Public Health Sciences, University of Cincinnati College of Medicine* (Jul 2019 – Feb 2022)
Committee Member, Tumor Bank Scientific Review Committee, *University of Cincinnati Cancer Institute* (Jul 2016 – July 2023)
Departmental Appointment, Reappointment, Promotion and Tenure (ARPT) Committee, *Department of Environmental & Public Health Sciences, University of Cincinnati College of Medicine*
Member (Jul 2014 – Jul 2023)
Vice-Chair (Oct 2021 – Jul 2023)
Fernald Community Cohort Advisory Board, *Department of Environmental & Public Health Sciences, University of Cincinnati College of Medicine*, Board Member (Mar 2014 – Jul 2023)
Shared Resources Working Group, University of Cincinnati Cancer Center *University of Cincinnati Cancer Center*, Representative - Cancer Prevention, Control and Population Sciences (May 2021 – Jan 2022)
Medical Scientist Training Program (MSTP) Admissions committee, *University of Cincinnati College of Medicine*, Committee Member (Aug 2014 – Dec 2018)
Co-Chair, New Methods for Molecular Epidemiology Planning Committee, *University of Cincinnati Center for Environmental Genetics Integrative Health Science Core* (Jan 2017 – May 2017)
Committee Member, Data and Biospecimen Sharing Workshop Planning Committee, *University of Cincinnati College of Medicine* (Apr 2015 – Oct 2015)
Panel Member, Postdoc Advisory Panel, *Brown University* (Sep 2010 – Jun 2013)
Co-President, Doctoral Student Organization, *University of Pittsburgh Graduate School of Public Health* (Feb 2008 – Sep 2009)
Doctoral Student Representative, Education and Curriculum Committee, *University of Pittsburgh Graduate School of Public Health* (Oct 2008 – Sep 2009)

Other Service

Founding Group Leader, DEPHS Predoctoral F-Series Club, *Department of Environmental & Public Health Sciences, University of Cincinnati College of Medicine* (May 2022 – July 2022)
Forum Leader and Founder, Extracellular Vesicle Research Forum, *University of Cincinnati College of Medicine* (Dec 2019 – Jun 2023)
Panel Member, Elsa Pardee Foundation RFP Information Session, *University of Cincinnati Foundation* (Jul 2018)
Summer Undergraduate Research Fellows Capstone Poster Judge, *University of Cincinnati College of Medicine* (Aug 2017)

Professional Service

External Grant Peer Review

National Institutes of Health (NIH):

- National Institutes of Health (NIH), ZCA1 RTRB-S (M2) R: SEP-10: NCI Clinical and Translational Cancer Research
ad hoc Reviewer (Feb 2024)
- National Institutes of Health (NIH), ZCA1 SRB-P (J1) S: SEP-7: NCI Clinical and Translational Cancer Research
ad hoc Reviewer (Oct 2022)
- National Institutes of Health (NIH), ZCA1 SRB-2 (J2) S: NCI Clinical and Translational R21 and Omnibus R03 Review
ad hoc Reviewer (Sep 2020)
- National Institutes of Health (NIH), Special Emphasis Panel ZDE1 GZ 13 - RFA-DE-20-001: Oral Health in People Living with HIV and Additional Non-Communicable Diseases
ad hoc Reviewer (Nov 2019)
- National Institutes of Health (NIH), Cancer Biomarkers Study Section
ad hoc Reviewer (Sep 2019)
- National Institutes of Health (NIH), Cancer Genetics Study Section
ad hoc Reviewer (Jun 2018)
ad hoc Early Career Reviewer (Jun 2017)
- National Institutes of Health (NIH), Special Emphasis Panel ZRG1 RPHB-U (56) R - PAR: ENDS: Population, Clinical & Applied Prevention Research
ad hoc Reviewer (Mar 2018)
ad hoc Reviewer (Nov 2018)
- National Institutes of Health (NIH), Special Emphasis Panel ZCA1 SRB-K – PAR-15-289: The Pancreatic Cancer Detection Consortium U01
ad hoc Reviewer (Nov 2017, Feb 2018)

Department of Defense (DoD):

- Department of Defense (DoD) Congressionally Directed Medical Research Programs (CDMRP), FY24 Lung Cancer Research Program, Career Development-1 (CD-1)
ad hoc Reviewer (Jul 2024)
- Department of Defense (DoD) Congressionally Directed Medical Research Programs (CDMRP), FY22 Lung Cancer Research Program, Detection, Diagnosis & Prognosis (DDP)
ad hoc Reviewer (Sep 2022)
- Department of Defense (DoD) Congressionally Directed Medical Research Programs (CDMRP), FY21 Peer Reviewed Cancer Research Program (PRCRP), HNC-TH: Head and Neck and Thyroid Cancer
ad hoc Reviewer (Nov 2021)

Non-Federal Extramural Grant Review:

- American Cancer Society
 - Standing Member, Cancer Prevention, Screening & Health Promotion (CPSH; Mar 2021 – Present)
 - Standing Member, Clinical Cancer Research, Nutrition, and Immunology panel (CCE; Jun 2017 – Jan 2020)
 - Co-Chair, Clinical Cancer Research, Nutrition, and Immunology panel (CCE; Jan 2020)
 - Team Member, Clinical Research Professor Virtual Site Visit (Mar 2020)

Tobacco-Related Disease Research Program of California (TRDRP)
Standing Member, Cancer – Clinical, Applied and Training Study Section (2017 – 2019)
Standing Member, Cancer Study Section (2014-2016)

Worldwide Cancer Research
ad hoc Reviewer (Jul 2022)

Wayne State P30 Environmental Health Sciences Center for Urban Responses to Environmental Stressors (CURES) pilot grant program
ad hoc Reviewer (Aug 2019)
ad hoc Reviewer (Feb 2016)

Institute of Human Genetics - Polish Academy of Sciences,
ad hoc Reviewer (Oct 2021)

University of Michigan P30 Lifestage Environmental Exposures and Disease (M-LEEAD) Center Pilot Grant Program
ad hoc Reviewer (Mar 2020)
ad hoc Reviewer (Jun 2018)

Graduate Women in Science National Fellowships
ad hoc Reviewer (May 2019)
ad hoc Reviewer (May 2018)

Paracelsus Medical University Salzburg Research Fund (PMU-FFF)
ad hoc Reviewer (Mar 2018)

Cancer Research UK (United Kingdom), Multidisciplinary Project Award
ad hoc Reviewer (Jan 2017)
ad hoc Reviewer (Aug 2015)

Unity through Knowledge Fund (Croatia), Research Cooperability Program
ad hoc Reviewer (Aug 2015)

Brandon C. Gromada Head & Neck Cancer Foundation, Research Grants
ad hoc Reviewer (Apr 2015)

Dutch Cancer Society (KWF Kankerbestrijding)
ad hoc Reviewer (2012)

Internal Grant Peer Review

University of Cincinnati Cancer Center, Pilot Grant Program
ad hoc Reviewer (Oct 2022)

University of Cincinnati College of Medicine Research Innovation Grant Program
ad hoc Reviewer (Jun 2018)

Mischell Family Prostate Cancer Pilot Grant, *University of Cincinnati Cancer Institute*
ad hoc Reviewer (Jun 2016)

University of Cincinnati Center for Environmental Genetics Pilot Projects Program
ad hoc Reviewer (Sep 2021)
ad hoc Reviewer (May 2014)

Graduate Program Review

External Reviewer, Proposal for new Master of Science in Translational Biomedical Science, Ohio University (Jun 2020)

Editorial Boards

Frontiers in Epidemiology– Occupational and Environmental Epidemiology Specialty Section,
Associate Editor (Jul 2022 – Present)

Frontiers in Epidemiology– Occupational and Environmental Epidemiology Specialty Section,
Review Editor (Oct 2021 – Jul 2022)

Cancers, Topic Editor (Mar 2020 – Present)

BMC Medical Genomics, Associate Editor (Nov 2020 – Present)

BMC Medical Genetics, Associate Editor (Nov 2017 – Dec 2020)

* This journal transitioned to *BMC Medical Genomics*

PLOS ONE, Academic Editor (Dec 2014 – Present)

Medicine, Academic Editor (Mar 2014 – Jul 2023)

Journal Peer Review

American Journal of Industrial Medicine, ad hoc reviewer

Annals of Oncology, ad hoc reviewer

Biomarkers in Medicine, ad hoc reviewer

BMC Cancer, ad hoc reviewer

BMC Medical Genetics, ad hoc reviewer

BMC Medicine, ad hoc reviewer

British Journal of Cancer, ad hoc reviewer

Cancer Causes & Control, ad hoc reviewer

Cancer Chemotherapy and Pharmacology, ad hoc reviewer

Cancer Communications, ad hoc reviewer

Cancer Epidemiology, Biomarkers and Prevention, ad hoc reviewer

Cancer Immunology, Immunotherapy, ad hoc reviewer

Cancer Letters, ad hoc reviewer

Cancer Medicine, ad hoc reviewer

Cancer Prevention Research, ad hoc reviewer

Chemico-Biological Interactions, ad hoc reviewer

Cancers, ad hoc reviewer

Clinical and Translational Medicine, ad hoc reviewer

Clinical Oral Investigations, ad hoc reviewer

Discover Oncology, ad hoc reviewer

Diseases of the Esophagus, ad hoc reviewer

DNA Repair, ad hoc reviewer

Environmental Health Perspectives, ad hoc reviewer

Environmental Health, ad hoc reviewer

Epidemiology, ad hoc reviewer

Epigenomics, ad hoc reviewer

Evolutionary Bioinformatics, ad hoc reviewer

Experimental Biology & Medicine, ad hoc reviewer

Expert Review of Anticancer Therapy, ad hoc reviewer

Frontiers in Genetics, ad hoc reviewer

Frontiers in Medicine, ad hoc reviewer

Frontiers in Molecular Biosciences, ad hoc reviewer

Genes, Chromosomes, and Cancer, ad hoc reviewer

Genome Medicine, ad hoc reviewer

Head & Neck, ad hoc reviewer

International Journal of Cancer, ad hoc reviewer

International Journal of Epidemiology, ad hoc reviewer
International Journal of Toxicology, ad hoc reviewer
Journal of Biomedical Science, ad hoc reviewer
Journal of Cell Communication and Signaling, ad hoc reviewer
Journal of Clinical Investigation, ad hoc reviewer
Journal of Extracellular Vesicles, ad hoc reviewer
Journal of Translational Medicine, ad hoc reviewer
Medical Genetics, ad hoc reviewer
Medicine, ad hoc reviewer
Molecular Carcinogenesis, ad hoc reviewer
Mutation Research, ad hoc reviewer
NAR Cancer, ad hoc reviewer
Nature Medicine, ad hoc reviewer
Occupational and Environmental Medicine, ad hoc reviewer
Oncotarget, ad hoc reviewer
Oral Oncology, ad hoc reviewer
Papillomavirus Research, ad hoc reviewer
PLoS Genetics, ad hoc reviewer
PLoS One, ad hoc reviewer
Scientific Reports, ad hoc reviewer
Translational Research, ad hoc reviewer
World Journal of Surgical Oncology, ad hoc reviewer

Other Professional Service

LRP Ambassador, National Institutes of Health Loan Repayment Program, *Bethesda, MD*
(Jan 2017 – Jul 2023)

Contributor: Standardized biostatistics score card development for portable peer-review, Rubriq,
Durham, NC (2013)

Cytopathology Laboratory Inspector, College of American Pathologists inspection team, *Georgetown University Hospital* (2006)

Program Moderator (Cytology), Northeast Regional Joint Fall Medical Laboratory Conference,
Portland, ME (Sep 2003)

Program Committee Member, Northeast Regional Joint Fall Medical Laboratory Conference, *Portland, ME* (Sep 2002 and Sep 2003)

COMPLETED PUBLICATIONS

11,885 citations (h-index = 31; i10-index = 41)

Book Chapters

1. **Langevin SM** and Kelsey KT. *Genetics and Gene-Environment Interactions* (Ch. 2). In: Anttila SL, Boffetta P, and Straif K (eds). Occupational Cancers (1st edition). Springer. 2014; pp. 21-31.
2. **Langevin SM** and Kelsey KT. *Mechanisms of Environmental and Occupational Carcinogenesis* (Ch. 3). In: Anttila SL, Boffetta P, and Straif K (eds). Occupational Cancers (1st edition). Springer. 2014; pp. 33-48.

3. **Langevin SM** and Haynes EN. *Developmental Effects of Manganese* (Ch. 16). In: Costa L and Aschner M (eds). Manganese in Health and Disease. RSC Publishing. 2015; pp. 426-36.
4. **Langevin SM** and Kelsey KT. *Clinical Epigenetics of Lung Cancer* (Ch. 5). In: Laurence JC (ed). Translating Epigenetics to the Clinic (1st edition). Elsevier. 2016; pp. 97-133.
5. **Langevin SM** and Kelsey KT. *Genetics, Epigenetics and Environmental Interactions* (Ch. 2). In: Anttila SL and Boffetta P (eds). Occupational Cancers (2nd edition). Springer. 2020; pp. 21-38.
6. **Langevin SM** and Kelsey KT. *Mechanisms of Environmental and Occupational Carcinogenesis* (Ch. 3). In: Anttila SL and Boffetta P (eds). Occupational Cancers (2nd edition). Springer. 2020; pp. 39-55.

Editorial Articles

1. **Langevin SM**†, Pinney SM, Leung YK, Ho SM. Does epigenetic drift contribute to age-related increases in breast cancer risk? *Epigenomics* (IF = 4.778). 2014;6(4):367-9. PMC4235676.

Peer-Reviewed Journal Articles

1. **Langevin SM**, Lin D, Matsuo K, Gao CM, Takezaki T, Stolzenberg-Solomon RZ, Vasavi M, Hasan Q, Taioli E. Review and pooled analysis of studies on MTHFR C677T polymorphism and esophageal cancer. *Toxicol Lett* (IF = 4.372). 2009;184(2):73-80. PMC3512563.
2. Taioli E, Ragin C, Wang X, Chen J, **Langevin SM**, Brown AR, Gollin SM, Garte S, Sobol RW. Recurrence in oropharyngeal cancer is associated with quantitative MGMT promoter methylation. *BMC Cancer* (IF = 4.069). 2009;9:354. PMC2763008.
3. Kwok J*, **Langevin SM***, Argiris A, Grandis JR, Gooding WE, Taioli E. The impact of health insurance status on the survival of patients with head and neck cancer. *Cancer* (IF = 6.860). 2010;116(2):476-85. PMC3085979.
4. Ragin CC, **Langevin S**, Rubin S, Taioli E. Review of studies on metabolic genes and cancer in populations of African descent. *Genet Med* (IF = 8.822). 2010;12(1):12-8. PMC2885841.
5. **Langevin SM**, Stone RA, Bunker CH, Grandis JR, Sobol RW, Taioli E. MicroRNA-137 promoter methylation in oral rinses from patients with squamous cell carcinoma of the head and neck is associated with gender and body mass index. *Carcinogenesis* (IF = 4.944). 2010;31(5):864-70. PMC2864416.
6. **Langevin SM**, Iannidis JP, Vineis P, Taioli E; Genetic Susceptibility to Environmental Carcinogens group (GSEC). Assessment of cumulative evidence for the association between glutathione s-transferase polymorphisms and lung cancer: application of the Venice interim guidelines. *Pharmacogenet Genomics* (IF = 2.089). 2010;20(10):586-97. PMC2940992.
7. Ragin CC, **Langevin SM**, Marzouk M, Grandis JR, Taioli E. Determinants of head and neck cancer survival by race. *Head Neck* (IF = 2.690). 2011;33(8):1092-8. PMC3380362.

8. **Langevin SM**, Stone RA, Bunker CH, Lyons-Weiler MA, Laframboise WA, Kelly L, Seethala, RR, Grandis JR, Sobol RW, Taioli E. MicroRNA-137 promoter methylation is associated with poorer overall survival in patients with squamous cell carcinoma of the head and neck. *Cancer* (IF = 6.860). 2011;117:1454-62. PMC3117118.
9. **Langevin SM***, Houseman EA*, Christensen BC, Wiencke JK, Heather H. Nelson, Karagas MR, Marsit CJ, Kelsey KT. The influence of aging, environmental exposures and local sequence features on the variation of DNA methylation in blood. *Epigenetics* (IF = 4.528). 2011;6(7):908-19. PMC3154431.
10. **Langevin SM**, Grandis JR, Taioli E. Female hormonal and reproductive factors and head and neck squamous cell carcinoma risk. *Cancer Lett* (IF = 8.679). 2011;310(2):216-21. PMC3169650.
11. Wilhelm-Benartzi CS, Houseman EA, Maccani MA, Poage GM, Koestler DC, **Langevin SM**, Gagne L, Banister C, Padbury JF, Marsit CJ. In utero exposures, infant growth, and DNA methylation of repetitive elements and developmentally related genes in human placenta. *Environ Health Perspect* (IF = 9.031). 2012;120(2):296-302. PMC3279448.
12. **Langevin SM**, Koestler DC, Christensen BC, Wiencke JK, Nelson HH, Houseman EA, Marsit CJ, Kelsey KT. DNA methylation profiles in peripheral blood are indicative of head and neck squamous cell carcinoma: an epigenome-wide association study. *Epigenetics* (IF = 4.528). 2012;7(3):291-9. PMC3335952.
13. Michaud DS, **Langevin SM**, Eliot M, Nelson HH, McClean MD, Christensen BC, Marsit CJ, Kelsey KT. Allergies and risk of head and neck cancer. *Cancer Causes Control* (IF = 2.506). 2012;23(8):1317-22. PMC3598569.
14. Koestler DC, Marsit CJ, Christensen BC, Accomondo W, **Langevin SM**, Houseman EA, Karagas MR, Wiencke JK, Kelsey KT. Peripheral blood immune cell methylation profiles are associated with nonhematopoietic cancers. *Cancer Epidemiol Biomarkers Prev* (IF = 4.254). 2012;21(8):1293-302. PMC3415587.
15. **Langevin SM**, Michaud, DS, Eliot M, Peters ES, McClean MD, Kelsey KT. Regular dental visits are associated with earlier stage at diagnosis for oral and pharyngeal cancer. *Cancer Causes Control* (IF = 2.506). 2012;23(11):1821-9. PMC3469776.
16. Zhou J, Michaud DS, **Langevin SM**, McClean MD, Kelsey KT. Smokeless tobacco and risk of head and neck cancer: evidence from a case-control study in New England. *Int J Cancer* (IF = 7.396). 2013;132(8):1911-7. PMC3552089.
17. **Langevin SM** and Kelsey KT. The fate is not always written in the genes: Epigenomics in epidemiologic studies. *Environ Mol Mutagen* (IF = 3.216). 2013;54(7):533-41. PMC4093796.
18. Eliot M, Michaud DS, **Langevin SM**, McClean MD, Kelsey KT. Periodontal disease and mouthwash are risk factors for head and neck squamous cell carcinoma. *Cancer Causes Control* (IF = 2.506). 2013;24(7):1315-22. PMC3677056.

19. **Langevin SM**, Michaud DS, Marsit CJ, Nelson HH, Birnbaum A, Eliot M, Christensen BC, McClean MD, Kelsey KT. Gastric reflux is an independent risk factor for laryngopharyngeal carcinoma. *Cancer Epidemiol Biomarkers Prev* (IF = 4.254). 2013; 22(6):1061-8. PMC3883785.
20. Koestler DC, Christensen BC, Karagas MR, Marsit CJ, **Langevin SM**, Kelsey KT, Wiencke JK, Houseman EA. Blood-based profiles of DNA methylation predict the underlying distribution of cell types: a validation analysis. *Epigenetics* (IF = 4.528). 2013;8(8): 816-26.
21. **Langevin SM**, O'Sullivan ME, Valerio-Longacker J, Pawlita M, Applebaum KM, Eliot M, McClean MD, Kelsey KT. Occupational asbestos exposure is associated with pharyngeal squamous cell carcinoma in men from the greater Boston area. *Occup Environ Med* (IF = 4.402). 2013;70(12):858-63. PMC4227396.
22. **Langevin SM**, McClean MD, Michaud DM, Eliot M, Nelson HH, Kelsey KT. Occupational dust exposure and head and neck squamous cell carcinoma risk in a population-based case-control study from the greater Boston area. *Cancer Med* (IF = 4.452). 2013;2(6):978-86. PMC3892403.
23. Michaud DS, **Langevin SM**, Eliot M, Nelson HH, Pawlita M, McClean MD, Kelsey KT. High-risk HPV subtypes and head and neck cancer. *Int J Cancer* (IF = 7.396). 2014;135(7):1653-61. PMC4107082.
24. **Langevin SM***, Houseman EA*, Accomando WP, Koestler DC, Christensen BC, Nelson HH, Karagas MR, Marsit CJ, Wiencke JK, Kelsey KT. Leukocyte-adjusted epigenome-wide association studies in blood of solid tumor patients. *Epigenetics* (IF = 4.528). 2014;9(6):884-95. PMC4065186.
25. **Langevin SM**, Kratzke RA, Kelsey KT. Epigenetics of lung cancer. *Translational Research* (IF = 7.102). 2015; 165(1):74-90. PMC4162853.
26. **Langevin SM†** and Christensen BC. *Let-7* binding site polymorphism in *KRAS* and colorectal cancer outcome: a meta-analysis. *Cancer Med* (IF = 4.452). 2014;3(5):1385-95. PMC4302689.
27. **Langevin SM†**, Butler RA, Eliot M, Pawlita M, Maccani JZ, McClean MD, Kelsey KT. Novel DNA methylation targets in oral rinse samples predict survival of patients with oral squamous cell carcinoma. *Oral Oncol* (IF = 5.337). 2014; 50(11):1072-80. PMC4254027.
28. Tan X, Nelson HH, **Langevin SM**, McClean MD, Marsit CJ, Waterboer T, Pawlita M, Kelsey KT, Michaud DM. Obesity and head and neck cancer risk and survival by human papillomavirus serology. *Cancer Causes Control* (IF = 2.506). 2015;26(1):111-9. PMC4302732.
29. Kelsey KT, Nelson HH, Kim S, Pawlita M, **Langevin SM**, Eliot M, Michaud DM, McClean MD. Human papillomavirus serology and tobacco smoking in a community control group. *BMC Infect Dis* (IF = 3.010). 2015;15:8. PMC4296688.
30. Fogleman E, Eliot M, Michaud DS, Nelson HH, McClean MD, **Langevin SM†**, Kelsey KT†. Occupational asphalt exposure is not associated with head and neck squamous cell carcinoma among men from the greater Boston area. *Occupational Medicine* (IF = 1.611). 2015;65(7):570-3. PMC4684692.

31. **Langevin SM**†, Eliot M, Butler RA, Cheong A, Zhang X, Pawlita M, McClean MD, Koestler DK, Kelsey KT†. CpG island methylation profile in non-invasive oral rinse samples is predictive of oral and pharyngeal carcinoma. *Clin Epigenetics* (IF = 6.551). 2015;7:125. PMC4668652.
32. **Langevin SM**†. Changing the (intercellular) conversation: a potential role for exosomal transfer of microRNA in environmental health. *Curr Epidemiol Rep* (IF = 3.161). 2016;3(2):154-60.
33. Nelson HH, Pawlita M, Michaud DS, McClean MD, **Langevin SM**, Eliot M, Kelsey KT. Immune response to HPV16 E6 and E7 proteins and patient outcomes in head and neck cancer. *JAMA Oncol* (IF = 31.777). 2017; 3(2):178-185.
34. **Langevin SM**†, Kuhnell D, Parry TL, Biesiada J, Wise-Draper TM, Casper KA, Zhang X, Medvedovic M, Kasper S. Comprehensive microRNA-sequencing of exosomes derived from head and neck carcinoma cells in vitro reveals common secretion profiles and potential utility as salivary biomarkers. *Oncotarget* (IF = 3.331). 2017;8(47):82459-74. PMC5669904.
35. Haque S, Niu L, Kuhnell D, Hendershot J, Biesiada J, Niu W, Hagan MC, Kelsey KT, Casper KA, Wise-Draper TM, Medvedovic M, **Langevin SM**†. Differential expression and prognostic value of long non-coding RNA in HPV-negative head and neck squamous cell carcinoma. *Head Neck* (IF = 2.690). 2018;40(7):1555-1564. PMC6037541.
36. Théry C, Witwer KW, Aikawa E, Alcaraz MJ, Anderson JD, Andriantsitohaina R, Antoniou A, Arab T, Archer F, Atkin-Smith GK, Ayre DC, Bach JM, Bachurski D, Baharvand H, Balaj L, Baldacchino S, Bauer NN, Baxter AA, Bebawy M, Beckham C, Bedina Zavec A, Benmoussa A, Berardi AC, Bergese P, Bielska E, Blenkiron C, Bobis-Wozowicz S, Boilard E, Boireau W, Bongiovanni A, Borràs FE, Bosch S, Boulanger CM, Breakefield X, Breglio AM, Brennan MÁ, Brigstock DR, Brisson A, Broekman ML, Bromberg JF, Bryl-Górecka P, Buch S, Buck AH, Burger D, Busatto S, Buschmann D, Bussolati B, Buzás EI, Byrd JB, Camussi G, Carter DR, Caruso S, Chamley LW, Chang YT, Chen C, Chen S, Cheng L, Chin AR, Clayton A, Clerici SP, Cocks A, Cocucci E, Coffey RJ, Cordeiro-da-Silva A, Couch Y, Coumans FA, Coyle B, Crescitelli R, Criado MF, D'Souza-Schorey C, Das S, Datta Chaudhuri A, de Candia P, De Santana EF, De Wever O, Del Portillo HA, Demaret T, Deville S, Devitt A, Dhondt B, Di Vizio D, Dieterich LC, Dolo V, Dominguez Rubio AP, Dominici M, Dourado MR, Driedonks TA, Duarte FV, Duncan HM, Eichenberger RM, Ekström K, El Andaloussi S, Elie-Caille C, Erdbrügger U, Falcón-Pérez JM, Fatima F, Fish JE, Flores-Bellver M, Försönits A, Frelet-Barrand A, Fricke F, Fuhrmann G, Gabrielsson S, Gámez-Valero A, Gardiner C, Gärtner K, Gaudin R, Gho YS, Giebel B, Gilbert C, Gimona M, Giusti I, Goberdhan DC, Görgens A, Gorski SM, Greening DW, Gross JC, Gualerzi A, Gupta GN, Gustafson D, Handberg A, Haraszi RA, Harrison P, Hegyesi H, Hendrix A, Hill AF, Hochberg FH, Hoffmann KF, Holder B, Holthofer H, Hosseinkhani B, Hu G, Huang Y, Huber V, Hunt S, Ibrahim AG, Ikezu T, Inal JM, Isin M, Ivanova A, Jackson HK, Jacobsen S, Jay SM, Jayachandran M, Jenster G, Jiang L, Johnson SM, Jones JC, Jong A, Jovanovic-Talisman T, Jung S, Kalluri R, Kano SI, Kaur S, Kawamura Y, Keller ET, Khamari D, Khomyakova E, Khvorova A, Kierulf P, Kim KP, Kislinger T, Klingeborn M, Klinke DJ 2nd, Kornek M, Kosanović MM, Kovács ÁF, Krämer-Albers EM, Krasemann S, Krause M, Kurochkin IV, Kusuma GD, Kuypers S, Laitinen S, **Langevin SM**, Languino LR, Lannigan J, Lässer C, Laurent LC, Lavieu G, Lázaro-Ibáñez E, Le Lay S, Lee MS, Lee YXF, Lemos DS, Lenassi M, Leszczynska A, Li IT, Liao K, Libregts SF, Ligeti E, Lim R, Lim SK, Linē A, Linnemannstöns K, Llorente A, Lombard CA, Lorenowicz MJ, Lörincz ÁM, Lötval J, Lovett J, Lowry MC, Loyer X, Lu Q, Lukomska B, Lunavat TR, Maas SL, Malhi H, Marcilla A, Mariani J, Mariscal J, Martens-Uzunova ES, Martin-Jaular L, Martinez MC, Martins VR, Mathieu M, Mathivanan S, Maugeri M, McGinnis LK, McVey MJ,

Meckes DG Jr, Meehan KL, Mertens I, Minciocchi VR, Möller A, Møller Jørgensen M, Morales-Kastresana A, Morhayim J, Mullier F, Muraca M, Musante L, Mussack V, Muth DC, Myburgh KH, Najrana T, Nawaz M, Nazarenko I, Nejsun P, Neri C, Neri T, Nieuwland R, Nimrichter L, Nolan JP, Nolte-'t Hoen EN, Noren Hooten N, O'Driscoll L, O'Grady T, O'Loghlen A, Ochiya T, Olivier M, Ortiz A, Ortiz LA, Osteikoetxea X, Østergaard O, Ostrowski M, Park J, Pegtel DM, Peinado H, Perut F, Pfaffl MW, Phinney DG, Pieters BC, Pink RC, Pisetsky DS, Pogge von Strandmann E, Polakovicova I, Poon IK, Powell BH, Prada I, Pulliam L, Quesenberry P, Radeghieri A, Raffai RL, Raimondo S, Rak J, Ramirez MI, Raposo G, Rayyan MS, Regev-Rudzki N, Ricklefs FL, Robbins PD, Roberts DD, Rodrigues SC, Rohde E, Rome S, Rouschop KM, Rughetti A, Russell AE, Saá P, Sahoo S, Salas-Huenuleo E, Sánchez C, Saugstad JA, Saul MJ, Schiffelers RM, Schneider R, Schøyen TH, Scott A, Shahaj E, Sharma S, Shatnyeva O, Shekari F, Shelke GV, Shetty AK, Shiba K, Siljander PR, Silva AM, Skowronek A, Snyder OL 2nd, Soares RP, Sódar BW, Soekmadji C, Sotillo J, Stahl PD, Stoorvogel W, Stott SL, Strasser EF, Swift S, Tahara H, Tewari M, Timms K, Tiwari S, Tixeira R, Tkach M, Toh WS, Tomasini R, Torrecilhas AC, Tosar JP, Toxavidis V, Urbanelli L, Vader P, van Balkom BW, van der Grein SG, Van Deun J, van Herwijnen MJ, Van Keuren-Jensen K, van Niel G, van Royen ME, van Wijnen AJ, Vasconcelos MH, Vechetti IJ Jr, Veit TD, Vella LJ, Velot É, Verweij FJ, Vestad B, Viñas JL, Visnovitz T, Vukman KV, Wahlgren J, Watson DC, Wauben MH, Weaver A, Webber JP, Weber V, Wehman AM, Weiss DJ, Welsh JA, Wendt S, Wheelock AM, Wiener Z, Witte L, Wolfram J, Xagorari A, Xander P, Xu J, Yan X, Yáñez-Mó M, Yin H, Yuana Y, Zappulli V, Zarubova J, Žekas V, Zhang JY, Zhao Z, Zheng L, Zheutlin AR, Zickler AM, Zimmermann P, Zivkovic AM, Zocco D, Zuba-Surma EK. Minimal information for studies of extracellular vesicles 2018 (MISEV2018): a position statement of the International Society for Extracellular Vesicles and update of the MISEV2014 guidelines. *J Extracell Vesicles* (IF = 17.337). 2018; 7(1):1535750. PMC6322352.

37. **Langevin SM†**, Kuhnell D, Orr-Asman MA, Biesiada J, Zhang X, Medvedovic M, Elnakat H. Balancing yield, purity and practicality: modification and assessment of differential ultracentrifugation protocols for efficient isolation of small extracellular vesicles from human serum. *RNA Biol* (IF = 4.652). 2019;16(1):5-12. PMC6380284.
38. **Langevin SM†**, Liang N, Kuhnell D, Niu L, Biesiada J, Leung YK, Deka R, Chen A, Medvedovic M, Kelsey KT, Kasper SA, Zhang X. Comprehensive mapping of the methylation landscape of 16 CpG-dense regions in oral & pharyngeal squamous cell carcinoma. *Epigenomics* (IF = 4.778). 2019;11(9):987-1002. PMCID: PMC7132784
39. Wronkiewicz SK, Roggli VL, Hinrichs BH, Kendler A, Butler RA, Christensen BC, Marsit BC, Nelson HH, McClean MD, Kelsey KT†, **Langevin SM†**. Chrysotile fibers in tissue adjacent to laryngeal squamous cell carcinoma in cases with a history of occupational asbestos exposure. *Mod Pathol* (IF = 7.842). 2020; 33(2):228-234. PMCID: PMC6995753
40. Shi L, Kuhnell D, Priya V, **Langevin SM**, Nakamura T, Esfandiari L. Rapid and label-free isolation of small extracellular vesicles from biofluids utilizing a novel insulator based dielectrophoretic device. *Lab Chip* (IF = 6.914). 2019;19(21):3726-34. PMCID: PMC7477750
41. **Langevin SM†**, Eliot M, Butler RA, McClean MD, Kelsey KT†. Firefighter occupation is associated with increased risk for laryngeal and hypopharyngeal squamous cell carcinoma among men from the greater Boston area. *Occup Environ Med* (IF = 3.965). 2020;77(6):381-385. PMCID: PMC8704482

42. **Langevin SM†**, Kuhnell D, Biesiada J, Medvedovic M, Talaska G, Burns KA, Kasper S. Comparability of the small RNA secretome across human biofluids concomitantly collected from healthy adults. *PLoS One* (IF = 3.240). 2020;15(4):e0229976. PMID: PMC7147728
43. Sharma A, Tang AL, Takiar V, Wise-Draper TM, **Langevin SM†**. Human papillomavirus and survival of sinonasal squamous cell carcinoma patients: a systematic review and meta-analysis. *Cancers* (IF = 7.517). 2021;13(15):3677. PMID: PMC8345036
44. Yang B, Eliot M, McClean MD, Waterboer T, Pawlita M, Butler RA, Nelson HH, **Langevin SM**, Christensen BC, Kelsey KT. DNA methylation-derived systemic inflammation indices and their association with oropharyngeal cancer risk and survival. *Head Neck* (IF = 3.147). 2022. 44(4):904-913.
45. Liu Y, Eliot MN, Papandonatos GD, Kelsey KT, Fore R, **Langevin SM**, Buckley J, Chen A, Lanphear BP, Cecil KM, Yolton K, Hivert MF, Sagiv SK, Baccarelli AA, Oken E, Braun JM. Relation of gestational perfluoroalkyl substance exposure with longitudinal measures of DNA methylation over the first 12 years of life: An epigenome-wide association study. *Environ Health Perspect* (IF = 11.035). 2022;130(3):37005. PMID: PMC8911098
46. Galiveti CR, Kuhnell D, Biesiada J, Zhang X, Kelsey KT, Takiar V, Tang AL, Wise-Draper TM, Medvedovic M, Kasper S, **Langevin SM†**. Small extravesicular microRNA in head and neck squamous cell carcinoma and the potential as a liquid biopsy for early detection. *Head Neck* (IF = 3.821). 2023; 45(1): 212-24. PMID: PMC9742186
47. Pounders J, Hill EJ, Hooper D, Zhang X, Biesiada J, Kuhnell D, Greenland HL, Esfandiari L, Timmerman E, Foster F, Wang C, Walsh KB, Shatz R, Woo D, Medvedovic M, **Langevin S**, Sawyer RP. MicroRNA expression within neuronal-derived small extracellular vesicles in frontotemporal degeneration. *Medicine (Baltimore)* (IF = 1.817). 2022;101(40):e30854. PMID: PMC9542922
48. Sprague AC, Niu L, Jandarov R, Zhang X, Zhang G, Chen A, Sarac J, Coklo M, Missoni S, Rudan P, Deka R†, **Langevin SM†**. Stable methylation loci are associated with systolic blood pressure in a Croatian island population. *Epigenomics* (IF = 4.357). 2022; 14(21):1343-54. PMID: PMC9816922
49. Sharma M, Sheth M, Poling HM, Kuhnell D, **Langevin SM**, Esfandiari L. Rapid purification and multiparametric characterization of circulating small extracellular vesicles utilizing a label-free lab-on-a-chip device. *Sci Rep* (IF = 4.997). 2023;13(1):18293. PMID: PMC10600140
50. Welsh JA, Goberdhan DCI, O'Driscoll L, Buzas EI, Blenkiron C, Bussolati B, Cai H, Di Vizio D, Driedonks TAP, Erdbrügger U, Falcon-Perez JM, Fu QL, Hill AF, Lenassi M, Lim SK, Mahoney MG, Mohanty S, Möller A, Nieuwland R, Ochiya T, Sahoo S, Torrecilhas AC, Zheng L, Zijlstra A, Abuelreich S, Bagabas R, Bergese P, Bridges EM, Brucale M, Burger D, Carney RP, Cocucci E, Colombo F, Crescitelli R, Hanser E, Harris AL, Haughey NJ, Hendrix A, Ivanov AR, Jovanovic-Taliman T, Kruh-Garcia NA, Ku'ulei-Lyn Faustino V, Kyburz D, Lässer C, Lennon KM, Lötvall J, Maddox AL, Martens-Uzunova ES, Mizenko RR, Newman LA, Ridolfi A, Rohde E, Rojalin T, Rowland A, Saftics A, Sandau US, Saugstad JA, Shekari F, Swift S, Ter-Ovanesyan D, Tosar JP, Useckaite Z, Valle F, Varga Z, van der Pol E, van Herwijnen MJC, Wauben MHM, Wehman AM, Williams S, Zandrini A, Zimmerman AJ, MISEV Consortium (**Langevin SM**), Théry C, Witwer KW.al. Minimal information for studies of extracellular vesicles (MISEV2023): from basic to advanced approaches. *J Extracell Vesicles* (IF = 17.337). 2024;13(2):e12404.

51. Chimote AA, Lehn MA, Bhati J, Mascia AE, Sertorio M, Lamba MAS, Ionascu D, Tang AL, **Langevin SM**, Khodoun MV, Wise-Draper TM, Conforti L. Proton treatment suppresses exosome production in head and neck squamous cell carcinoma. *Cancers* (IF = 5.2). 2024;13(15):1008.

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Meeting Abstracts (poster presentations only)

1. Ragin CCR, **Langevin S**, Gollin SM, Seethala RR, Taioli E. Association of GSTM1 and HPV16 with tumor recurrence in head and neck cancer [abstract]. In: *American Association for Cancer Research Annual Meeting: Proceedings*; 2007 Apr 14-18; Los Angeles, CA. Abstract nr LB-112.
2. **Langevin SM**, Sobol RW, Bunker CA, Stone RA, Taioli E. Hypermethylation of miR-137 in HNSCC [abstract]. In: *National Predoctoral Clinical Research Training Meeting*; 2009 May 4; St. Louis, MO. Abstract nr 4.
3. **Langevin SM**, Koestler DC, Christensen BC, Wiencke JK, Nelson HH, Houseman EA, Marsit CJ, Kelsey KT. DNA methylation profiles in peripheral blood are predictive of head and neck squamous cell carcinoma [abstract]. In: *Tenth Annual International Conference on Frontiers in Cancer Prevention Research*; 2011 Oct 23; Boston, MA. Abstract nr A37.
4. **Langevin SM**, Houseman EA, Accomando W, Koestler DC, Christensen BC, Nelson HH, Karagas MR, Marsit CJ, Wiencke JK, Kelsey KT. A novel approach to adjust for immune cell distribution in blood-based epigenome-wide association studies of cancer [abstract]. In: *American Association for Cancer Research Annual Meeting: Proceedings*; 2013 Apr 6-10; Washington, DC. Abstract nr 4240.
5. **Langevin SM**, O'Sullivan MH, Valerio JL, Applebaum KM, Eliot M, McClean MD, Kelsey KT. Occupational asbestos exposure is associated with head and neck cancer [abstract]. In: *American Association for Cancer Research Annual Meeting: Proceedings*; 2013 Apr 6-10; Washington, DC. Abstract nr 3627.
6. **Langevin SM**, Butler RA, Eliot M, Kelsey KT. Novel DNA methylation targets in oral rinse samples predict survival of patients with oral squamous cell carcinoma [abstract]. In: *Epigenomics of Common Diseases*; 2013 Nov 7-10; Hinxton, UK.
7. **Langevin SM**, Eliot M, McClean MD, Kelsey KT. Head and neck squamous cell carcinoma risk among asphalt workers from the greater Boston area [abstract]. In: *American Association for Cancer Research Annual Meeting: Proceedings*; 2014 Apr 5-9; San Diego, CA. Abstract nr 5615.
8. Hamilton TK, Bush D, **Langevin SM**, Casper KA, Mark J. Disease free interval after primary chemo-RT can help predict the utility of salvage surgery in patients with squamous cell carcinoma of the larynx [abstract]. In: *2016 Multidisciplinary Head and Neck Cancer Symposium*; 2016 Feb 18-20; Scottsdale, AZ.

9. **Langevin SM**, Kuhnell D, Parry TL, Biesiada J, Zhang X, Medvedovic M, Kasper S. Comprehensive catalog of culture-derived exosomal microRNA cargo from 4 discrete head and neck carcinoma cell lines [abstract]. In: *American Association for Cancer Research Annual Meeting: Proceedings*; 2016 Apr 16-20; New Orleans, LA. Abstract nr 961.
10. Harmon JJ, Biesiada J, Zhang X, Kuhnell D, Butler R, Medvedovic M, Casper KA, Mark J, **Langevin SM**. The Mutational Landscape of Sinonasal Squamous Cell Carcinoma. In: *American Academy of Otolaryngology – Head and Neck Surgery Annual Meeting*; 2016 Sep 18-21, San Diego, CA.
11. Dombroski JA, Kuhnell D, Kasper S, **Langevin SM**. EGFR as a marker for head and neck squamous cell carcinoma-derived small extracellular vesicles. In: *American Association for Cancer Research Annual Meeting: Proceedings*; 2017 Apr 1-5; Washington, DC. Abstract nr 1797.
12. **Langevin SM**, Kuhnell D, Zhang X, Wise-Draper TM, Casper KA. Exosomal microRNA as salivary biomarkers of head and neck squamous cell carcinoma. In: *American Association for Cancer Research-American Head and Neck Society Joint Meeting*; 2017 Apr 23-25; San Diego, CA. Abstract nr 26.
13. Kuhnell D, Orr-Asman MA, Elnakat-Thomas H, **Langevin SM**. Optimization of a differential ultracentrifugation protocol for isolation of small extracellular vesicles from human serum. In: *Extracellular RNA Communication Consortium ERCC9*; 2017 Nov 6-7; Rockville, MD: Abstract nr 33.
14. Mierzwa M, Biesiada J, Zhang X, Kuhnell D, Redmond KP, Huth B, Takiar V, Wise-Draper T, Hashemi Sadraei N, Tang A, Mark J, Casper K, Medvedovic M, **Langevin S**. Whole-Exome Sequencing of Aggressive Cutaneous Head and Neck Squamous Cell Carcinoma. In: *Multidisciplinary Head and Neck Cancers Symposium*; 2018 Feb 16; Oral Abstract 14 (presenter: Mierzwa).
15. **Langevin SM**†, Kuhnell D, Biesiada J, Medvedovic M, Talaska G, Burns KA, Kasper S. Comparability of the small RNA secretome across human biofluids concomitantly collected from healthy adults. *American Society for Exosomes and Microvesicles Annual Meeting 2018*. 2018 Oct 20-24; Baltimore, MD.
16. Wronkiewicz SK, Roggli VL, Butler RA, Kelsey KT, **Langevin SM**. Chrysotile asbestos fibers in tissue adjacent to laryngeal squamous cell carcinoma in cases with a history of occupational asbestos exposure. In: *American Association for Cancer Research Annual Meeting: Proceedings*; 2019 Apr 3; Atlanta, GA. Abstract nr 4528.
17. Weatherford L, Kuhnell D, Palackdharry SM, Vachon R, Takiar V, **Langevin SM**, Wise-Draper TM. LSD1 Inhibitor and Cisplatin Combination Treatment of Sinonasal Squamous Cell Carcinoma Cell Lines. *2020 Multidisciplinary Head and Neck Cancers Symposium*; 2020 Feb 27; Scottsdale, AZ. Abstract nr 327.
18. Ancona RM, Khoury JC, **Langevin SM**, Panches BE, Freiermuth CE, Lyons MS. Medical opioid exposure and development of opioid use disorder: Applied causal analysis using propensity score matching. In: *American Public Health Association Annual Meeting*. 2020 Oct 24; Virtual Oral Abstract (presenter: Ancona).

19. Liu Y, Eliot MN, Papandonatos GD, Kelsey KT, **Langevin S**, Buckley J, Chen A, Lanphear BP, Cecil KM, Yolton K, Braun JM. Longitudinal analysis of DNA methylation in relation to gestational perfluoroalkyl substance exposure: An epigenome-wide association study. *International Society for Environmental Epidemiology Annual Meeting*; Aug 24; Virtual. O-TO-141.
20. Desarapu R, Anthony S, Guarnieri A, Parkins S, Kuhnell D, **Langevin S**, Tranter M. Subcutaneous white adipose tissue expression of HuR mediates cardiac pathology via adipose tissue-derived extracellular vesicles. *American Physiology Summit*; 2023 Apr 20; Long Beach, CA.
21. Lewis CS, Stone K, Kuhnell D, **Langevin S**, Soto-Gutierrez A, Van Dreden P, Wang J, Luyendyk J, Bogdanov V. Cellular origin and functional contribution of alternatively spliced tissue factor to the malignant progression of chronic liver disease. *American Association for Cancer Research Annual Meeting*. 2023 Apr 4; Orlando, FL. Abstract nr 2359.
22. Chimote AA, Alshwimi AO, Bhati J, **Langevin SM**, Wise-Draper TM, Khodoun M, Conforti L. A novel ion channel-mediated mechanism facilitates the inhibitory effect of exosomes on anti-tumor immune responses. *Immunology Annual Meeting*. 2023 May 13; Washington, DC.
23. J Braun, J Buckley, H Kalkwarf, C Eaton, K Cecil, A Chen, K Kelsey, **S Langevin**, B Lanphear, K Yolton. Cardiometabolic and Bone Health Effects of PFAS Exposure in Adolescents. *Birth Defects Research Annual Meeting*; 2023 Jun; Charleston, SC.

WORKS IN PROGRESS

Manuscripts Under Review

1. Darisi RD, Sprunger JG, Wise-Draper, TM, Zender C, BrintzenhofeSzoc K†, **Langevin SM†**. Alcohol consumption during head and neck cancer treatment and patient outcomes: a systematic review and meta-analysis. [*under review*]
2. Chutipongtanate S, Cetinkaya H, Zhang X, Kuhnell D, Benefield DA, Haffey W, Wyder M, Patel R, Conrey SC, Burrell AR, **Langevin SM**, Nummsen-Rivers L, Newburg DS, Greis KD, Staat MA, Morrow AL. Prenatal SARS-CoV-2 infection alters postpartum human milk-derived extracellular vesicles. [*under review*]
3. Liu Y, Gairola R, Kuiper JR, Papandonatos GD, Kelsey KT, **Langevin SM**, Buckley JP, Chen A, Lanphear BP, Cecil KM, Yolton K, Braun JM. Lifetime postnatal exposure to perfluoroalkyl substance mixture and DNA methylation at twelve years of age. [*under review*]
4. Zhou A, Sharma A, Kuhnell D, Kendler A, Hinricks BH, Wang J, Tang AL, Takiar V, Wise-Draper TM, **Langevin SM†**. Multimodal assessment of the prevalence of high-risk human papillomavirus in sinonasal squamous cell carcinoma [*under review*]

Manuscripts in Progress

1. O'Neil T*, Thorman A*, Apewokin S, Zender C, **Langevin SM†**. Pooled analysis of electronic nicotine delivery systems and the human oral microbiome. [*in preparation*]

2. Sprague AC, Watson AR, **Langevin SM**†. Historic U.S. nuclear weapons facility sites and incidence of select radiation-associated cancers: an ecological SEER analysis. [*in preparation*]
3. DeLano K, Sprague AC, Jandarov R, Jackson B, Schatz R, **Langevin SM**†, Sawyer RP†. Association of plasma concentration of heavy metals with frontotemporal dementia. [*in preparation*]
4. Weatherford L, Marrochello S, Harmon J, Biesiada J, Zhang X, Butler RT, Hagen MC, Patil Y, Wilson K, Stambrook PJ, Mark J, Carey TE, Hermsen M, Casper KA, Wise-Draper TM, **Langevin SM**†. LSD1 Inhibitor and Cisplatin Combination Treatment of Sinonasal Squamous Cell Carcinoma Cell Lines [*in progress*]
5. Sprague AC, Zhang X, Butler RA, Kuhnell D, Huth B, Redmond K, Mark J, Casper KA, Mierzwa ML, **Langevin SM**†. Mutational landscape of aggressive cutaneous squamous cell carcinoma. [*in progress*]
6. Vaneta J, Kuhnell D, Zhang X, Butler RA, Wise-Draper TA, Dragon JA, **Langevin SM**†. Targeted Mutation Sequencing to Predict Definitive Chemoradiation Response for Head and Neck Cancer. [*in progress*]
7. Vaneta J, Harmon J, Zhang X, Kuhnell D, Butler RA, Hagen MC, Wise-Draper TM, Patil YJ, Mark JR, Dragon J, Casper KA, **Langevin SM**†. Whole-exome sequencing reveals the mutational landscape of sinonasal squamous cell carcinoma including frequent mutations in the H3K4 lysine methyltransferase gene KMT2C. [*in progress*]

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INVITED LECTURES/WORKSHOPS

1. Pathologists' Assistants of New England (PANE)/Mid-Atlantic Pathologists' Assistants (MAPA) Joint Conference. "Epidemiology of Head and Neck Cancer." June 2009. Beacon Hotel Conference Center, *Washington, DC*.
2. Epigenomics, Sequencing & SNIps Meeting: Chromatin Methylation to Disease Biology & Theranostics. "Epigenome-Wide Association Studies in Cancer." July 2012. Joseph B. Martin Conference Center at Harvard Medical School, *Boston, MA*.
3. University of Cincinnati Department of Environmental Health Seminar. "Epigenome-Wide Association Studies: Exploring the Impact of Age, Environment and Cancer on DNA Methylation." September 2012. Kettering Laboratory Kehoe Auditorium, *Cincinnati, OH*.
4. Epidemiology and Chemoprevention Group Seminar. "Blood-Based Epigenome-Wide Association Studies of Solid Tumors." December 5, 2012. Dartmouth College Geisel School of Medicine, *Lebanon, NH*.

5. Environmental & Radiological Health Sciences Seminar. “Epigenome-Wide Association Studies in Blood from Solid Tumor Patients.” February 25, 2013. Colorado State University Department of Environmental & Radiological Health Sciences, *Fort Collins, CO*.
6. Infinium HumanMethylation450 BeadArray Data Analysis Workshop. May 16, 2013. University of Minnesota Masonic Cancer Center, Prevention and Etiology Program, *Minneapolis, MN*.
7. Epidemiology & Community Health Seminar. “Epigenome-Wide Association Studies in Human Cancer Research.” May 17, 2013. University of Minnesota School of Public Health, Division of Epidemiology & Biostatistics, *Minneapolis, MN*.
8. University of Cincinnati Department of Environmental Health Seminar. “Epidemiology of Head and Neck Cancer: Beyond the Smoke, Booze and HPV.” October 2013. Kettering Laboratory Kehoe Auditorium, *Cincinnati, OH*.
9. UCCI Head & Neck Working Group Meeting. “HPV & HNSCC: Measurement Matters.” November 2013. University of Cincinnati College of Medicine, *Cincinnati, OH*.
10. Gene Environment Interaction Training Program Seminar Series. “Epigenomic Approaches to Environmental Health Research.” February 2014. Kettering Laboratory Kehoe Auditorium, *Cincinnati, OH*.
11. University of Pittsburgh Head and Neck Cancer SPORE Meeting. “Non-Invasive Epigenetic Biomarkers of Head and Neck Cancer.” March 2014. UPMC Eye & Ear Institute, *Pittsburgh, PA*.
12. Henry Ford Health System Cancer Epidemiology, Prevention, and Control Seminar. “Potential Avenues for Non-Invasive Biomarkers of Head and Neck Cancer.” April 2015. Henry Ford Health System, *Detroit, MI*.
13. UC Center for Environmental Genetics Workshop: Data and Biospecimen Sharing. “Public Repositories for Deposition and Sharing of “Omics” Data.” October 2015. University of Cincinnati, *Cincinnati, OH*.
14. Epidemiology seminar. “Epigenetic Biomarkers for Cancers of the Upper Aerodigestive Tract.” Feb 10, 2016. University of Michigan School of Public Health, *Ann Arbor, MI*.
15. Genomic Discovery and Translation Seminar. “Exosomal microRNA as Biomarkers of Head and Neck Cancer.” Sep 23, 2016. Cincinnati Children’s Hospital Medical Center, *Cincinnati, OH*.
16. University of Cincinnati Department of Environmental Health Seminar. “Exosomal secretion of microRNA by head & neck cancer.” November 2, 2016. Kettering Laboratory Kehoe Auditorium, *Cincinnati, OH*.
17. Chicago Illumina User Group Meeting. “DNA Methylation Biomarkers of Head & Neck Cancer in Non-Invasive Oral Rinse Samples.” November 17, 2016. Hyatt Regency Chicago, *Chicago, IL*.
18. Agilent NGS on Tap. “Mutational landscape of sinonasal Squamous cell carcinoma.” November 17, 2016. Rhinegeist Brewery. *Cincinnati, OH*.

19. Hematology/Oncology Grand Rounds. “Exosomal secretion of microRNA by head & neck cancer.” December 2, 2016. University of Cincinnati Cancer Institute. *Cincinnati, OH*.
20. University of Michigan Head and Neck Oncology Program Retreat. Keynote: “Exosomal Secretion of MicroRNA by Head and Neck Cancer.” April 21, 2017. Ann Arbor Marriott Ypsilanti at Eagle Crest, *Ann Arbor, MI*.
21. UC Center for Environmental Genetics Workshop: New Technologies for Molecular Epidemiology. “Harnessing Small Extracellular Vesicles (“Exosomes”) as Biomarkers of Disease.” May 4, 2017. University of Cincinnati, *Cincinnati, OH*.
22. Trans-Ohio Research Consortium for Head and Neck Cancer (TORCH). “Mutational landscape of sinonasal Squamous cell carcinoma”. July 24, 2017. The Ohio State University Wexler Medical Center Eye & Ear Institute, *Columbus, OH*.
23. “Exploiting exosomal microRNA as non-invasive biomarkers of head and neck cancer”. February 7, 2018. University of Utah Department of Family & Preventative Medicine, *Salt Lake City, UT*.
24. “Exploiting exosomal microRNA as non-invasive biomarkers of head and neck cancer”. April 24, 2018. University of California San Francisco, Department of Otolaryngology, *San Francisco, CA*.
25. “Exploiting exosomal microRNA as non-invasive biomarkers of head and neck cancer”. Aug 6, 2018. Medical University of South Carolina Hollings Cancer Center, *Charleston, SC*.
26. “Development of an oral rinse DNA methylation panel for detection of head and neck cancer”. Nov 8, 2018. Medical University of South Carolina Hollings Cancer Center, *Charleston, SC*.
27. “Differential secretion of miRNA serum small extracellular vesicles in pre-treatment stage IA non-small cell lung cancer cases relative to controls with benign neoplasia”. Aug 3, 2019. ISEV-MRS Joint Conference on Extracellular Vesicles in Cancer. *Nashville, TN*.
28. “Leveraging exosomes for liquid biopsy of head and neck cancer”. Dec 17, 2020. Molecular Epidemiology Seminar Series. Ohio University James Comprehensive Cancer Center (virtual). *Columbus, OH*.
29. “Leveraging exosomes for liquid biopsy of head and neck cancer”. March 3, 2021. University of Cincinnati Department of Environmental & Public Health Sciences Seminar (virtual). University of Cincinnati College of Medicine, *Cincinnati, OH*.
30. “Development of an oral rinse DNA methylation panel for detection of head and neck cancer”. Feb 16, 2022. Public Health Seminar (virtual). Oregon State University College of Health & Human Sciences, *Corvallis, OR*.
31. “Asbestos and Head & Neck Cancer”. Mar 24, 2022. Public Health Seminar. Roger Williams University, *Bristol, RI*.
32. “Introduction to the Cancer Genome Atlas”. Oct 12, 2022. Radiation Oncology Research Seminar. University of Cincinnati College of Medicine, *Cincinnati, OH*

33. “DNA Methylation in Oral Rinse for Detection of Head & Neck Cancer”. Nov 29, 2022. Hematology/Oncology Grand Rounds. University of Vermont, Larner College of Medicine, Burlington, VT

PATENTS

Patents Filed

CpG island methylation profile in non-invasive oral rinse samples for detection of oral and pharyngeal carcinoma

Submitted to the UC Office of Entrepreneurial Affairs and Technology Commercialization: Jul 2015

Provisional Patent filed: U.S. Provisional Patent Application No. 62/251,136 (Nov 2015)

Utility Patent filed: U.S. Patent Application No. 15/806,148 (Nov 2017)

MEDIA COVERAGE

Oral Cancer News – The Oral Cancer Foundation (Nov 2009): **Uninsured have higher mortality from head and neck cancer than insured.** The Oral Cancer Foundation published a 1-page article summarizing our original article: Kwok J*, **Langevin SM***, Argiris A, Grandis JR, Gooding WE, Taioli E. The impact of health insurance status on the survival of patients with head and neck cancer. *Cancer*. 2010;116(2):476-85.

Press release (May 23, 2013). American Association for Cancer Research Communications Staff. **Frequent Heartburn May Predict Cancers of the Throat and Vocal Cord** (re: Langevin et al. Gastric reflux is an independent risk factor for laryngopharyngeal carcinoma. *Cancer Epidemiol Biomarkers Prev*. 2013; 22(6):1061-8). Coverage included (among others) New York Times, U.S. News, CBS News, WebMD, Men’s Health, and Women’s Health.

LabTV (filmed: April 2015), Langevin Lab. This is a joint venture between TED-TV and NIH in which short films are created of early career researchers and posted on a collective site to encourage young students to pursue a career in biomedical research.

EpiBeat Feature article (January 20, 2016): **Freshen your breath while screening for cancer: harnessing DNA methylation in mouthwash samples for early detection of oral and pharyngeal cancer.** (original article: *CpG island methylation profile in non-invasive oral rinse samples is predictive of oral and pharyngeal carcinoma*). This is a highly trafficked epigenetics blog sponsored by Zymo Research that highlights a different article each week that they deem to be though provoking and relevant to the epigenetics field. <http://www.epibeat.com/category/aging-environment-disease/>

Politfact article (June 28, 2017): **Are Medicaid patients more likely to die than uninsured, as Heritage Action CEO says?** I was interviewed as part of a fact check regarding a 2011 *Wall Street Journal* op-ed by FDA Commissioner Scott Gottlieb, in which he improperly cited our article *The impact of health insurance status on the survival of patients with head and neck cancer* to support his argument that having Medicaid is worse than having no coverage at all.

Oral Cancer News – The Oral Cancer Foundation (Oct 2018): **University of Cincinnati researcher studies cancer-detecting mouthwash with help from ACS grant.** The Oral Cancer Foundation published a 1-page article summarizing my American Cancer Society Research Scholar grant.

National Institute of Environmental Health (NIEHS) Core Centers Spotlight (April 3, 2019): **CEG Member Langevin Awarded New Grant from the American Cancer Society**. NIEHS published a 1-page article written about my American Cancer Society Research Scholar grant since I was supported as a Next Generation Research Scholar by the UC Center for Environmental Genetics during part of the work that lead up to the grant.

COMMUNITY OUTREACH & ENGAGEMENT

FAB 4 A CURE hosted by the Brandon C. Gromada Head and Neck Cancer Foundation. Invited Speaker: Importance of head and neck cancer research support and overview of our sinonasal cancer whole-exome sequencing project funded by the Gromada Foundation (Aug 27, 2014)

Holiday Kick-Off YP Networking Community Service hosted by the Brandon C. Gromada Head and Neck Cancer Foundation. Invited Speaker: Importance of head and neck cancer research support and update on Sinonasal cancer whole-exome sequencing project funded by the Gromada Foundation (Dec 4, 2014)

Raising Spirits for the Cure hosted by the Hank Roy Fund. Invited Speaker: Overview of head and neck cancer research at the University of Cincinnati (Sep 25, 2015)

Head For A Cure Mardi Gras MASKerade hosted by the Brandon C. Gromada Head and Neck Cancer Foundation. Invited Speaker: Importance of head and neck cancer research support and update on study of the efficacy of a LSD1 inhibitor for treatment of sinonasal squamous cell carcinoma, which is funded by the Gromada Foundation (Feb 25, 2017)

American Cancer Society Dayton Community Impact Breakfast. Invited Speaker: Impact and importance of cancer research funding. Salvation Army Dayton Kroc Center, Dayton, OH (Apr 17, 2019)

ResearchHERS: Women Fighting Cancer of Cincinnati and Dayton, Ohio. Invited attendee (as a funded ACS Research Scholar) to support Southwest Ohio ACS fundraisers and share the importance of ACS-funded research. Hotel Covington, Covington, KY (Apr 24, 2019)

2019 American Cancer Society Cancer Action Network Southwest Ohio Policy Forum. Invited Speaker: Impact and importance of cancer research funding. Guilford Institute, Cincinnati, OH (Nov 11, 2019)

American Cancer Society – Ohio Chapter - Encouragement Video for 2020 COVID-19 Crisis. Prerecorded video to boost morale of local ACS staff and volunteers. Cincinnati, OH (Mar 23, 2019)

American Cancer Society Cancer Action Network – Ohio Chapter – Cancer Action Day Virtual Event. Invited Virtual Speaker: Impact and importance of cancer research funding. *Live video conference* (May 14, 2020)

Oral Health Ohio Board Meeting. Invited Virtual Speaker: Biomarkers for Early Detection of Oral Cancer. *Live video conference* (Oct 25, 2021)

American Cancer Society Ohio and West Virginia Regional Meeting. Invited Virtual Speaker: Impact and importance of cancer research funding. *Live video conference* (March 15, 2022)

American Cancer Society Funded Researcher Virtual Meet and Greet. Invited virtual participant. *Virtual event.* (July 28, 2022)

Genes in a Bottle: Hands-On DNA Discovery Lab. Educational Outreach: myself and my research team, performed a hands-on DNA discovery lab with the entire 4th grade class in which they isolated and precipitated their oral DNA in a vial that was made into a wearable necklace using the Genes in a Bottle Kit (Biorad). Mariemont Elementary, *Mariemont OH* (Dec 20, 2022)

Opening Ceremony Address. Invited speaker: 2024 ACS Chittenden County Relay for Life. Champlain Valley Exposition, *Essex Junction, VT* (Jun 7, 2024)

RESEARCH GRANTS

Active Support

1R01NS128425-01 PI: Walsh
NIH/NINDS
Central and Peripheral Stroke Inflammation with Exosomes (CAPSTONE)
Jul 2022 – Jun 2027
Role: Co-I/SubPI \$2,424,856 direct

1R01HL158671-01A1 PI: Tranter
NIH/NHLBI
Post-transcriptional control of adipose tissue gene expression as a paracrine mediator of cardiac pathology
Aug 2022 – Jul 2027
Role: Co-I \$2,061,525 direct

Pending Support

R01 (PAR-21-190; NOT-CA-21-092) PI: Langevin
NIH/NCI
Head and Neck Cancer Risk and Estimated Outdoor Air Pollution Exposure According to Residential History
Submitted: Nov 2023
Proposed: Jul 2024 – Jun 2029
Role: PI \$1,250,000 direct

Completed Support

5TL1RR024155-03 PI: Roberts
NIH/NCRR
CTSI Predoctoral Fellowship in Clinical/Translational Research
Jun 2008 – May 2010
Role: Predoctoral Fellow/Trainee

5T32ES07272-20 NIH/NIEHS Training in Environmental Pathology Jan 2011 – Jun 2013 Role: Postdoctoral Research Fellow	PI: Kane
2P30ES006096-21 NIH/NIEHS <i>Career Development of Environmental Health Investigators</i> Jun 2014 – Feb 2015 Role: Next Generation Biomedical Investigator	PI: Ho (Project Leader: LeMasters) \$4,100 direct
Research Award Brandon C. Gromada Head & Neck Cancer Foundation <i>A Comprehensive Study of Common Mutations in Sinonasal Cancer</i> Aug 2014 – Jul 2015 Role: Co-PI	MPI: Langevin, Casper \$15,000 direct
1K22CA172358 NIH/NCI <i>Epigenetic alterations in oral rinse as biomarkers of oral and pharyngeal cancer</i> Sep 2013 – Aug 2016 Role: PI	PI: Langevin \$288,518 direct
Research Grant Elsa U. Pardee Foundation <i>Targeted Mutation Sequencing to Predict Definitive Chemoradiation Response for Head and Neck Cancer</i> Dec 2015 – Jun 2017 Role: PI	PI: Langevin \$146,693 direct
CEG Pilot Grant (internal) Center for Environmental Genetics (NIH/NIEHS P30ES006096) <i>Fiber count and mutational landscape of laryngeal squamous cell carcinoma from patients with a history of occupational asbestos exposure</i> Jun 2016 – May 2017 Role: PI	PI: Langevin \$30,000 direct
Research Award Brandon C. Gromada Head & Neck Cancer Foundation <i>Efficacy of an LSD1 inhibitor (GSK2879552) for treating sinonasal squamous cancer</i> Jul 2016 – Dec 2017 Role: Co-PI	MPI: Langevin, Wise-Draper \$25,000 direct
CCTST Just-In-Time Core Grant (internal) University of Cincinnati Academic Health Center <i>Comparability of exosomal RNA across human biofluids</i> Aug 2017 – Jun 2018 Role: PI	PI: Langevin \$6,600 direct

Just-In-Time Core Subsidy Grant (internal) Cincinnati Cancer Center <i>Comparability of exosomal small RNA across human biofluids</i> Aug 2017 – Jun 2018 Role: PI	PI: Langevin \$5,000 direct
1R21DE027227-01A1 NIH/NIDCR <i>Exosomal miRNA as Salivary Biomarkers for HPV+ Head and Neck Carcinoma</i> Oct 2017 – Sep 2019 Role: PI	PI: Langevin \$275,000 direct
Affinity Pilot Grant Cincinnati Cancer Center <i>Circulating Exosomal microRNA for Early Detection of Head and Neck Cancer</i> Jun 2018 – Jun 2020 Role: PI	PI: Langevin \$60,000 direct
Neurobiology Research Center Pilot Project University of Cincinnati Gardner Neuroscience Institute <i>Frontotemporal Dementia and Extracellular Vesicle microRNA</i> Jan 2020 – Dec 2020 Role: Co-I	PI: Sawyer \$25,000 direct
Pilot Award (internal) CCTST (2UL1TR001425) Acute Care Research Core <i>Biomarkers of Acute Large Vessel Ischemic Stroke (BLIS)</i> Jan 2022 – Dec 2022 Role: Co-I	PI: Hooper \$14,935 direct
Affinity Pilot Award (internal) UC Center for Environmental Genetics (P30ES006096) <i>Aluminum and Selenium Burden in Frontotemporal Dementia</i> Aug 2022 – Mar 2023 Role: Co-PI	MPI: Langevin/Sawyer \$50,000 direct
132476-RSG-18-148-01-CCE American Cancer Society <i>Oral Rinse CpG Island Methylation Panel in Follow-Up Surveillance of Oral Squamous Cell Carcinoma</i> Jan 2019 – Jun 2023 Role: PI	PI: Langevin \$660,000 direct