

OCTRI TL1 Awardees

Each year, the Oregon Students Learn & Experience Research (OSLER) program awards a group of M.D., M.D./M.P.H., Ph.D., and D.M.D. students and postdoctoral fellows with awards that allow them to participate in clinical and translational research projects.

2023 OSLER TL1 AWARDS

Daniel Chandra, M.D., School of Medicine Fellow in Hematology & Medical Oncology, OHSU

Mentors: Jennifer Saultz, D.O., Assistant Professor of Medicine, Hematology & Medical Oncology, OHSU and Jeffrey Tyner, Ph.D. Professor of Medicine; Cell and Development Biology, Cancer Biology and Molecular and Cellular Bioscience Graduate Programs, OHSU

Research Project: Mechanisms of Immune Escape in Venetoclax-resistant Acute Myeloid Leukemia

Abigail Cullen, Ph.D., Postdoctoral Fellow in Human Physiology, University of Oregon

Mentor: Ashley Walker, Ph.D., Assistant Professor, Human Physiology, University of Oregon

Research Project: The interaction of amyloid-beta and vascular aging on zinc pathology and Alzheimer's disease

Amanda Del Giacco, Clinical Psychology Ph.D. Program, OHSU

Mentor: Bonnie Nagel, Ph.D., Professor of Medicine, Psychiatry and Behavioral Neuroscience, OHSU

Research Project: Comparing reward learning among adolescents and adults with major depressive disorder and using reward-related neurobiology to predict future reward-related learning

Olivia Doyle, Clinical Psychology Ph.D. Program, OHSU

TL1 PROGRAM CONTACTS

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RFA

<https://www.ohsu.edu/octri-osler-tl1>

Mentor: Kristen Mackiewicz Seghete, Ph.D., Associate Professor, Psychiatry, Clinical Psychology, OHSU

Research Project: The mechanistic role of emotion regulation during pregnancy in parenting stress and sense of competence

Parham Diba, School of Medicine, M.D./Ph.D. Program in Biomedical Sciences, OHSU

Mentor: Daniel Marks, M.D., Ph.D., Professor, Pediatrics, Neuroscience Graduate Program, Physiology and Pharmacology Graduate Program, OHSU

Research Project: Adrenergic dysfunction as a regulator of cancer cachexia-induced cardiac remodeling

Tetiana Korzun, School of Medicine, M.D./Ph.D. Biomedical Engineering Program, OHSU

Mentors: Oleh Taratula, Ph.D. Professor, College of Pharmacology, OSU

Research Project: Reactogenicity mechanisms of messenger RNA lipid nanoparticle platforms

Eline Lenne, Social Work and Social Research Ph.D. Program, School of Social Work, Portland State University

Mentor: Susanne Klawetter, M.S.W., Ph.D., Assistant Professor, School of Social Work, PSU

Research Project: Supporting trans and gender diverse children and their families with gender-affirming pediatric primary care

Simone Mendes, Clinical Psychology Ph.D. program, University of Oregon

Mentor: Maureen Zalewski, Ph.D., Associate Professor, Clinical Psychology, University of Oregon and Alice Graham, Ph.D., Assistant Professor, Psychiatry, OHSU Behavioral Neuroscience and Kristen Mackiewicz Seghete, Ph.D., Associate Professor, Psychiatry, OHSU

Research Project: Examining the Role of Childhood Trauma on Emotion Dysregulation and Suicidality During the Perinatal Period

Samantha Osman, Biomedical Sciences Ph.D. program, OHSU

Mentors: Bill B. Messer, M.D., Ph.D., Associate Professor, Molecular Microbiology and Immunology; Medicine, Infectious Diseases, OHSU

Research Project: The protective role of anti-NS1 antibodies following vaccination with the yellow fever vaccine 17D.

Michael Parappilly, School of Medicine, M.D. Program, OHSU

Mentors: Melissa Wong, Ph.D., Associate Professor and Vice-Chair, Cell, Developmental and Cancer Biology, OHSU

Research Project: Measuring disease burden in pancreatic ductal adenocarcinoma with a non-invasive biomarker

Emily Reeve, Human Physiology Ph.D. program, University of Oregon

Mentor: Ashley Walker, Ph.D., Assistant Professor, Human Physiology, University of Oregon

Research Project: Preventing age-related increases in large artery stiffness: effects on cerebrovascular health and cognitive function.

Leigh Selesner, M.D. Resident, Surgery, OHSU

Mentor: Brian Scottoline M.D., Ph.D., Associate Professor, Pediatrics, Neonatology, OHSU

Research Project: Defining the Biochemistry of Necrotizing Enterocolitis Risk Reduction by Bifidobacterium longum ssp. infantis EVC001

Amalia Skyberg, Ph.D., Postdoctoral Fellow in Psychology, Center for Translational Neuroscience, University of Oregon

Mentor: Jennifer Pfeifer, Ph.D., Professor, Psychology, University of Oregon

Research Project: Epigenetic regulation of the oxytocin receptor gene as a biomarker of adolescent pubertal and emotional development

Melissa Wardle, Epidemiology PhD Program, School of Public Health, OHSU-PSU

Mentors: Seth O'Neal, MD, MPH, Assistant Professor, School of Public Health, OHSU-PSU

Research Project: Understanding the availability and use of pharmacotherapy interventions for Taenia solium related diseases among community-based populations in northern Peru

Caitlyn Wong, School of Medicine, M.D. Program, OHSU

Mentors: Juan, Piantino, M.D., M.C.R., Associate Professor, Neurology, OHSU and Yoon-Jae, Cho, M.D., Professor, Pediatric Neurology, OHSU

Research Project: Impact of sleep disruption on injury and recovery in collegiate football and soccer athletes.

Elizabeth Wood, PhD, OHSU School of Medicine Postdoctoral Fellow in Psychiatry

Mentors: Elinor Sullivan, Ph.D., Associate Professor, Psychiatry, OHSU and Jennifer Loftis, Ph.D., Professor, Psychiatry and Behavioral Neuroscience, OHSU

Research Project: Intra uterine exposure to inflammatory factors and offspring risk for future cardiometabolic disease

2021 OSLER TL1 AWARDS

Stephen Bowden, MD, School of Medicine Resident in Neurological Surgery, OHSU

Mentors: Melissa Wong, Ph.D., Associate Professor and Vice-Chair, Cell, Developmental and Cancer Biology, OHSU

Research Project: Phenotyping Glioma through Liquid Biopsy of Circulating Hybrid Cells

Chandra Char, Health Promotion and Health Behavior Ph.D. Program, College of Public Health and Human Sciences, OSU

Mentor: Veronica Irvin Ph.D., M.P.H., Associate Professor, Celia Strickland Austin and G. Kenneth Austin III Endowed Professor in Public Health, OSU; Kathleen Bogart Ph.D., M.A., Associate Professor, School of Psychological Science, OSU; and Willi Horner-Johnson Ph.D., Associate Professor, Institute of Development and Disability, OHSU and School of Public Health, OHSU-PSU

Research Project: Race and hearing loss on health care experiences of deaf and hard of hearing adults prior to and during the time of COVID-19

Jacqueline Emathingier, School of Medicine, M.D./Ph.D. Physiology and Pharmacology Graduate Program, OHSU

Mentor: Susan Gurley, M.D., Ph.D., Associate Professor of Medicine, Division Head, Nephrology and Hypertension, OHSU

Research Project: Elucidating the protective role of proximal tubule ACE2 in acute kidney injury

Nathaniel Evans, Bioinformatics and Computational Biomedicine Ph.D. Program, OHSU

Mentor: Shannon McWeeney, Ph.D., Professor of Medicine and Medical Informatics and Clinical Epidemiology, Division Head Bioinformatics and Computational Biology, OHSU

Research Project: Improving uncertainty quantification in drug response predictions to guide precision oncology

Stephanie Foster, Environmental and Occupational Health Ph.D. Program, College of Public Health and Human Sciences, OSU

Mentor: Molly Kile, Sc.D. Associate Professor, School of Biological and Population Health Sciences, Oregon State University

Research Project: Flame-Retardant Chemical Exposures among Young Children and Disproportionately Exposed Communities

Jessica Hebert, Ph.D., OHSU School of Medicine Postdoctoral Fellow in Anesthesiology and Perioperative Medicine

Mentor: Michael Hutchens, M.D., M.A., Professor of Anesthesiology and Perioperative Medicine, OHSU

Research Project: Long-Term Impact of Acute Kidney Injury: Reproductive, Pregnancy, and Offspring Health

Arielle Hernandez, Ph.D., M.P.H., OHSU-PSU School of Public Health Postdoctoral Fellow

Mentor: Kevin Winthrop, M.D., M.P.H., Professor of Infectious Diseases and Ophthalmology, OHSU; Professor of Public Health and Preventive Medicine, OHSU-PSU School of Public Health

Research Project: Longitudinal assessment of patient immune responses during treatment of pulmonary nontuberculous mycobacterial disease

Dakota Kliamovich, Behavioral Neuroscience Ph.D. Program, OHSU

Mentor: Bonnie Nagel, Ph.D., Associate Professor of Medicine, Psychiatry and Behavioral Neuroscience, OHSU

Research Project: Predicting Risk for Adolescent-Emergent Depression

Angela Lee, College of Arts and Sciences, Clinical Psychology Ph.D. Program, University of Oregon

Mentors: Maureen Zalewski, Ph.D., Associate Professor, Clinical Psychology, University of Oregon and Anna Wilson, Ph.D. Associate Professor, Pediatrics, Psychiatry and Anesthesiology and Perioperative Medicine, OHSU and Kristen Mackiewicz Seghete, Ph.D., Assistant Professor, Psychiatry, OHSU

Research Project: Intergenerational Impacts of Maternal Chronic Pain: Examining the Roles of Maternal Emotion Dysregulation and Parenting Stress

2020 OSLER NIH TL1 AWARDS

Faye Andrews, M.P.H. Environmental and Occupational Health Ph.D. Program, College of Public Health and Human Sciences, OSU

Mentor: Molly Kile, Sc.D. Associate Professor, School of Biological and Population Health Sciences, Oregon State University

Research Project: Environmental Metal Exposures and Effects on Maternal and Child Health in Bangladesh

Robert (Blake) Buchalter, M.P.H. Public Health and Epidemiology Ph.D. Program, College of Public Health and Human Sciences, OSU

Mentors: Susan E. Carozza, Ph.D., Associate Professor of Epidemiology, Oregon State University

Research Project: Rural Cancer Disparities: Shifting Classifications of Rurality and Integration of Spatial Methods

Benjamin Elstrott, School of Medicine, M.D. Program, OHSU

Mentors: H. E. Hinson, M.D. M.C.R., Associate Professor, Neurocritical Care, OHSU; Michael Heinrich, M.D., Professor of Medicine, OHSU

Research Project: Biomarkers of Neurologic Injury in Immune Effector Cell-associated Neurotoxicity

Lauralee Fernandez, M.P.H. Epidemiology Ph.D. Program, OHSU-PSU School of Public Health

Mentors: Seth O'Neal, M.D., M.P.H. Assistant Professor of Epidemiology, OHSU-PSU School of Public Health; Hector H. Garcia, M.D., Ph.D., Professor, Institute of Neurological Sciences, University Peruana Cayetano Heredia

Research Project: Anemia and Heavy Metals in Tumbes, Peru

Caroline King, M.P.H. School of Medicine, M.D./Ph.D. Biomedical Engineering Graduate Program, OHSU

Mentors: Philip Todd Korthuis, M.D. M.P.H., Professor of Medicine and Chief, Addiction Medicine Section; Kenneth John McConnell, Ph.D., Professor of Emergency Medicine and Director of the Center for Health Systems Effectiveness, OHSU

Research Project: Modeling the Impact of Hospital-based Addiction Consult Services on Post-Discharge Mortality

Matthew Newman, School of Medicine, M.D. Program, OHSU

Mentors: Evan Lind, Ph.D., Assistant Professor of Molecular Microbiology and Immunology, OHSU; Elie Traer, M.D., Ph.D., Assistant Professor of Medicine, OHSU

Research Project: High-Dimensional Characterization of Tumor and Immune Microenvironment of Stromal Cell Populations in FLT3-ITD AML in Response to Tyrosine-Kinase Therapy

2019 OSLER NIH TL1 AWARDS

Nadir Balba, M.A. Behavioral Neuroscience Ph.D. Program, OHSU

Mentors: Mary Heinricher, Ph.D., Professor and Vice-Chair for Research, Neurological Surgery and Behavioral Neuroscience, Associate Dean for Basic Science, School of Medicine and Miranda Lim, M.D., Ph.D. Assistant Professor, Departments of Neurology, Medicine, and Behavioral Neuroscience

Research Project: Pain and Photosensitivity in Traumatic Brain Injury

Robert Beverly, College of Public Health and Human Sciences, Nutrition Ph.D. Program, Oregon State University

Mentors: Brian Scottoline, M.D., Ph.D., Associate Professor of Pediatrics, Division of Neonatology, OHSU and David Dallas, Ph.D. Assistant Professor of Nutrition, Oregon State University

Research Project: Identifying Differences in the Release of Bioactive Milk Peptides Across the Intestinal Tracts Between Term and Preterm Infants

Matthew Dietz, D.O., M.S.Ed., School of Medicine Fellow in Pediatric Hematology & Oncology, OHSU

Mentors: Melissa Wong, Ph.D., Associate Professor and Vice-Chair, Cell, Developmental and Cancer Biology, OHSU

Research Project: Circulating Cells with Tumor Characteristics as Analytes of Pediatric High Grade Gliomas

Akhila Nekkanti, College of Education, Prevention Science Ph.D. Program, University of Oregon

Mentors: Kristen Mackiewicz Seghete, Ph.D., Assistant Professor, Psychiatry, OHSU; Elizabeth A. Skowron, Ph.D. Professor, Psychology, University of Oregon and Kate Mills, Ph.D. Assistant Professor of Psychology, University of Oregon

Research Project: Causal Relations Between Parenting Intervention and Children's Functional Brain Organization for Maltreatment-Exposed Families

Jacqueline O'Brien, M.S. College of Arts and Sciences, Clinical Psychology Ph.D. Program, University of Oregon

Mentors: Maureen Zalewski, Ph.D., Assistant Professor, Clinical Psychology, University of Oregon and Anna Wilson, Ph.D. Associate Professor, Pediatrics, Psychiatry and Anesthesiology and Perioperative Medicine, OHSU

Research Project: Impact of Maternal BPD and Parenting Quality on Child Hair Cortisol Concentrations and Behavior

Kellee Parker, D.O. School of Medicine Fellow in Pediatric Hematology & Oncology, OHSU

Mentors: Susan Lindemulder, M.D., M.C.R., Associate Professor, Pediatrics, Pediatric Hematology/Oncology, OHSU and Erika Cottrell, Ph.D., M.P.P., Program Director, Health Experiences Research Network, OCTRI, OHSU

Research Project: Parental decision-making regarding participation in pediatric oncology clinical trials exploring a reduction in therapy for acute lymphoblastic leukemia

Hannah Smith, School of Medicine, M.D. Program, OHSU

Mentor: Antonio Frias, M.D. Professor, Obstetrics & Gynecology, OHSU; and Division of Reproductive & Development Sciences, Oregon National Primate Center,

Research Project: In Vitro Characterization of Acute Zika Virus Infection in Placental Tissue

Taylor Vega, School of Medicine, M.D. Program, OHSU

Mentors: Honora Englander, M.D., F.A.C.P., Associate Professor, Medicine, Division of Hospital Medicine, OHSU

Research Project: Discerning Critical Components of Substance Use Disorder Care in Community Hospitals in Oregon

2018 OSLER NIH TL1 AWARDS

William Bologna, Ph.D., Au.D., Portland VA, National Center for Rehabilitative Auditory Research and OHSU School of Medicine, Otolaryngology

Mentors: Michelle Molis, Ph.D., Research Assistant Professor, Otolaryngology, and Curtis Billings, Ph.D., Research Assistant Professor, Otolaryngology

Research Project: Effects of age on brainstem encoding of speech in noise

Alexandra Stafford, Ph.D., School of Medicine, Behavioral Neuroscience

Mentors: Tamara Phillips-Richards, Ph.D., Professor, Behavioral Neuroscience and Marina Guizzetti, Ph.D., Professor, Behavioral Neuroscience

Research Project: Investigating behavioral and neurotoxic effects of combined ethanol and methamphetamine

Mollie Marr, School of Medicine, M.D./Ph.D. Program

Mentors: Damien Fair, PA-C., Ph.D., Professor, Behavioral Neuroscience, and Alice Graham, Ph.D., Postdoctoral Trainee in Behavioral Neuroscience

Research Project: Maternal Psychological Stress During Pregnancy as a Key Mechanism for the Intergenerational Transmission of Childhood Traumatic Stress

Kaycee Moshofsky, School of Medicine, M.D. Program

Mentors: Evan Lind, Ph.D., Assistant Professor, Molecular Microbiology & Immunology, and Jeffrey Tyner, Ph.D., Assistant Professor, Cell, Developmental & Cancer Biology

Research Project: Combined MEK inhibitory and PD-1 blockade in AML

Mary Willis, Oregon State University, Ph.D. Candidate in Environmental & Occupational Health

Mentor: Perry Hystad, Ph.D., Assistant Professor, OSU Environmental & Occupational Health

Research Project: Impact of air pollution from shale gas development on adverse birth outcomes

2017 OSLER NIH TL1 AWARDS

Justin Caouette, Ph.D., School of Medicine, Psychiatry

Mentors: Sarah Feldstein Ewing, Ph.D., Professor of Medicine, Psychiatry; Bonnie Nagel, Ph.D., Associate Professor of Medicine, Psychiatry and Behavioral Neuroscience; and Damien Fair, Ph.D., PA-C, Associate Professor of Medicine, Behavioral Neuroscience and Psychiatry

Research Project: Peer process Peer processes in the social neuroscience of adolescent cannabis use

Hanna Gustafsson, Ph.D., School of Medicine, Developmental Psychology

Mentors: Joel Nigg, Ph.D., Director, Division of Psychology, Professor of Medicine, Psychiatry, Pediatrics, and Behavioral Neuroscience and Sarah Karalunas, Ph.D., Assistant Professor of Medicine, Psychiatry

Research Project: Infant predictors of psychopathology: Emotional and cognitive control as transdiagnostic markers of risk

Amanda Stone, Ph.D., School of Medicine, Psychiatry

Mentors: Anna Wilson, Ph.D., Assistant Professor, Anesthesiology and Amy Holley, Ph.D., Assistant Professor, Development and Disability

Research Project: Negative Interpretation Bias of Children's Symptoms in Mothers with Chronic Pain: Implications for Children's Physical Health

Tyler Woodell, M.D., School of Medicine, Nephrology and Hypertension

Mentors: David Ellison, M.D., Professor, Physiology and Pharmacology, Nephrology and Hypertension; and Jessica Weiss, M.D., M.C.R., Assistant Professor, Nephrology and Hypertension

Research Project: Determining Acid Base Status Among Hemodialysis Patients

Brittany Alperin, School of Medicine, Ph.D. candidate in Behavioral Neuroscience

Mentors: Sarah Karalunas, Ph.D., Assistant Professor of Medicine, Psychiatry and Joel Nigg, Ph.D., Director, Division of Psychology, Professor of Medicine, Psychiatry, Pediatrics, and Behavioral Neuroscience

Research Project: How the mind wanders in ADHD and why it matters

Theresa Cheng, Ed.M., MS, University of Oregon, Ph.D. Candidate in Developmental Social Neuroscience

Mentors: Jennifer Pfeifer, Ph.D., Associate Professor, Psychology; Philip Fisher, Ph.D., Philip H. Knight Chair, Professor, Psychology; Nicholas Allen, Ph.D., Director, Center for Digital Mental Health and Clinical Training, Professor, Psychology; Damien Fair, Ph.D., PA-C, Associate Professor of Medicine, Behavioral Neuroscience and Psychiatry; and Kristen Mackiewicz-Seghete, Ph.D., Assistant Professor, Psychiatry

Research Project: (1) Dimensions of adversity in adolescent intrinsic brain connectivity, (2) Predicting depression from puberty-driven trajectories of brain connectivity in girls

Maria Carolina González-Prats, M.A., Portland State University, Ph.D. candidate in Social Work and Social Research

Mentor: Christina Nicolaidis, M.D., M.P.H., Professor, Social Determinants of Health, Associate Professor of Medicine and Public Health.

Research Project: Examining the Narrative of Military Sexual Trauma (MST) Narratives

Haley Holmer, M.P.H., OHSU-PSU School of Public Health, Ph.D. candidate in Epidemiology

Mentors: Jessina McGregor, Ph.D., Associate Professor, Pharmacy Practice; Rochelle Fu, Ph.D., Professor School of Public Health and Medical Informatics & Clinical Epidemiology; Amy Pakyz, Pharm.D., Ph.D., Associate Professor, Pharmacotherapy and Outcomes Science; and Sam Hohmann, Ph.D., Director, Research Analytics

Research Project: Metrics to Inform Antimicrobial Stewardship in the Hospital

Katherine Michaelis, School of Medicine, M.D./Ph.D. candidate in Physiology and Pharmacology

Mentor: Daniel Marks, M.D., Ph.D., Professor, Pediatrics

Research Project: The Role of Exosomes as Centrally Acting Endocrine Mediators of Pancreatic Cancer Cachexia

Jeffrey Wagner, School of Medicine, M.D. program, M.C.R. candidate

Mentors: Matthew Drake, M.D., Assistant Professor, Pulmonary and Critical Care Medicine; Christopher Evans, Ph.D., M.P.H., Assistant Professor General Internal Medicine and Geriatrics; Allison Fryer, Ph.D., Professor, Pulmonary and Critical Care Medicine; and David Jacoby, M.D., Professor, Pulmonary and Critical Care Medicine

Research Project: The Role of Airway Mucins 5ac and 5b in Upper Respiratory Tract Infection

Barrett Welch, M.P.H., Oregon State University, Ph.D. candidate in Public Health and Human Sciences

Mentor: Molly Kile, Sc.D., Associate Professor, Public Health and Human Sciences

Research Project: Effects of prenatal and early-life metals exposure on humoral immunity in children

2015 OSLER NIH TL1 AWARDS

Amber Bannon, School of Medicine, PhD in Cell and Development Biology Program

Mentor: Michael Heinrich, MD, Professor of Medicine, Hematology and Medical Oncology

Research Project: Bedside to Bench to Bedside: SDHA variants in Gastrointestinal Stromal Tumors

Sarah Wicher, School of Medicine, PhD in Physiology and Pharmacology Program

Mentor: Allison Fryer, PhD, Professor of Medicine, Pulmonary and Critical Care Medicine and Professor of Physiology and Pharmacology

Research Project: Eosinophils have a novel ability to repair lung function after ozone

Zipei Fang, School of Medicine, MD/PhD Program

Mentor: Bernard A. Fox, PhD, Associate Professor, Molecular Microbiology and Immunology

Research Project: Improving therapy for HNSCC: Combination of STING-agonist and an Autophagosome-based Vaccine

Heather McConnell, School of Medicine, PhD in Neuroscience Program

Mentor: Edward Neuwelt, MD, Professor, Neurology

Research Project: Iron nanoparticle phagocytosis and Localization in Acute Neuroinflammation

Joshua Woodward, School of Medicine, MD Program

Mentor: Joshi Alumkal, MD, Associate Professor of Medicine, Hematology and Medical Oncology

Research Project: Bromodomain inhibition for the treatment of lethal, castration-resistant prostate cancer

2015 OSLER NIH TL1 AWARDS

Ryan Swan, School of Medicine, PhD in Medical Informatics and Clinical Epidemiology Program

Mentor: Michael Chiang, MD, MA, Professor, Ophthalmology and Medical Informatics and Clinical Epidemiology

Research Project: Whole-exome sequencing and retinal imaging to improve outcomes in retinopathy of prematurity

Chelsea Jenkins, School of Medicine, PhD in Cancer Biology Program

Mentor: Jeffrey Tyner, PhD, Associate Professor of Medicine, Hematology and Medical Oncology

Research Project: Developing novel treatments for children with Juvenile Myelomonocytic **Leukemia**

Robert Pranaat, School of Medicine, MD Program

Mentor: Vishnu Mohan, MBBS, MIB, MBCS, FACP, Assistant Professor, Medical Informatics and Clinical Epidemiology

Research Project: Establishing the infrastructure and protocol for an In-Patient ICU rounds simulation

Katy Lawson, School of Medicine, MD Program

Mentor: David Jacoby, MD, Professor of Medicine, Pulmonary and Critical Care Medicine

Research Project: Eosinophil--nerve interactions in the pathogenesis of atopic dermatitis

Gitanjali Narayanan, School of Medicine, MD/PhD in Biomedical Engineering Program

Mentor: David Lewinsohn, MD, PhD, Associate Professor of Medicine, Pulmonary and Critical Care Medicine

Research Project: Characterizing the role of MR1 isoforms in MR1 antigen processing and presentation

2014 OSLER NIH TL1 AWARDS

Laura Healy, School of Medicine, PhD in Cell & Development Biology Program

Mentor: Owen McCarty, PhD, Associate Professor, Biomedical Engineering, Cell & Developmental Biology and Hematology and Medical Oncology

Research Project: Development of contact pathway inhibitors for the treatment of sepsis

Tyler Huett, School of Medicine, PhD in Molecular Microbiology & Immunology Program

Mentor: Bernard A. Fox, PhD, Associate Professor of Molecular Microbiology and Immunology

Research Project: Capturing mutated short-lived proteins in clinical autophagosome cancer vaccines

Jaime Zelaya, Jr., School of Medicine, MD/PhD Program

Mentor: Michelle Cameron, MD, Assistant Professor of Neurology

Research Project: Mechanisms of Imbalance in MS

2014 OSLER NIH TL1 AWARDS (SHORT-TERM)

Paul Jones, School of Medicine, MD Program

Mentor: Brian Johnstone, PhD, Professor and Research Director, Orthopedics and Rehabilitation

Research Project: Identifying articular cartilage stem cell markers

Gwendolyn McGinnis, School of Medicine, MD Program

Mentor: Jacob Raber, PhD, Professor of Behavioral Neuroscience, Neurology, and Radiation Medicine; Michael Gough, PhD, Clinical Research Assistant Professor of Radiation Medicine

Research Project: Suppression of the T cell Response and Enhancement of Detrimental Effects of Radiation on the Brain

Neil Mistry, School of Medicine, MD Program

Mentor: Joshi Alumkal, MD, Assistant Professor of Medicine

Research Project: Androgen Receptor-Dependence of Bromodomain Inhibitor Treatment Effect in Lethal Prostate Cancer

Ishan Patel, School of Medicine, MD Program

Mentor: Owen McCarty, PhD, Associate Professor, Biomedical Engineering, Cell & Developmental Biology, and Hematology & Medical Oncology

Research Project: Optimization of a labeling platform for the detection of procoagulant leukemic cells

Meghan Sampson, School of Medicine, MD Program

Mentor: Dennis McCarty, PhD, Professor and Vice Chair, Department of Public Health & Preventive Medicine

Research Project: Federally Qualified Health Centers and Integrated Care for Alcohol and Substance Abuse Disorders in Oregon Coordinated Care Organizations

Willy Terrall, School of Medicine, MD Program

Mentor: James P. Dolan, MD, M.C.R; Assistant Professor of Gastrointestinal and General Surgery; Anthony Barnes, PhD, Assistant Professor of Pediatrics

Research Project: Comparative Transcriptome Profiling for Predicting Response to Neoadjuvant Chemoradiotherapy in Esophageal Adenocarcinoma

2014 SUMMER OCTRI STUDENT AWARDS

Nathan Anderson, School of Medicine, MD Program

Mentor: Martin A. Schreiber, MD, FACS, Professor of Surgery

Research Project: Efficacy and Safety of Frozen Red Blood Cells for Transfusion in Trauma Patients

Colin Bergstrom, School of Medicine, MD Program

Mentor: Terry Morgan MD, PHD, Associate Professor of Pathology

Research Project: Pairwise Genetic Analysis of Primary and Metastatic Endometrial Adenocarcinoma

Anfin Erickson, School of Medicine, MD Program

Mentor: Martin Schreiber, MD, FACS, Professor of Surgery

Research Project: Thromboelastography Based Dosing of Enoxaparin for Thromboprophylaxis: A Prospective Randomized Trial

Brandon Lei, School of Medicine, MD Program

Mentor: Summer Gibbs, PhD, Assistant Professor, Department of Biomedical Engineering

Research Project: Local administration of novel nerve-specific fluorophores for nerve-sparing image-guided radical prostatectomy

Paul Montgomery, School of Medicine, MD Program

Mentor: James Rosenbaum, MD, Professor of Ophthalmology, Medicine and Cell Biology; Mark Asquith, PhD, Department of Behavioral Neuroscience

Research Project: Determining the impact of HLA B27 expression on the gut microbiome

Sarah Shangraw, School of Medicine, MD Program

Mentor: Pamela Cassidy, PhD, Research Associate Professor, Department of Dermatology

Research Project: Effect of Glutathione Peroxidase on Oxidative Stress in Human Melanocytes

Jonathan Yih, School of Dentistry, DMD Program

Mentor: Carmem Pfeifer, DDS, PhD, Assistant Professor of Biomaterials & Biomechanics

Research Project: Improving physical and optical properties of dental composites via thiourethane additives

2013 OSLER NIH TL1 AWARDS

Marilynn Chow, School of Medicine, PhD in Cancer Biology Program

Mentor: Jeffrey W. Tyner, PhD, Assistant Professor, Hematology and Medical Oncology

Research Project: Delineation of ROR1 signaling cascades to define new therapeutic modalities for t(1;19) B-ALL patients

Spencer Watson, School of Medicine, PhD in Cancer Biology Program

Mentor: Joe Gray, PhD, Chair, Department of Biomedical Engineering

Research Project: Identifying drug-able targets of the tumor microenvironment in HER2+ breast cancer

David Noyd, School of Medicine, MD/MPH Program

Mentor: Kevin Winthrop, MD, MPH, Assistant Professor of Infectious Diseases, Ophthalmology, Public Health and Preventive Medicine (joint appointment)

Research Project: Dengue epidemic in Puerto Rico 2012: Identifying risk factors for severe dengue and dengue-associated hemophagocytic lymphohistiocytosis to improve clinical detection in the peri-vaccination era

2013 AHRQ T32 PRE-DOCTORAL AWARDS

Vanessa Lee, School of Medicine, MD/MPH Program

Mentor: Aaron Caughey, MD, PhD, MPH, MPA, Chair, Department of Obstetrics and Gynecology and Associate Dean for Women's Health Research and Policy

Research Project: Examining the impact of a program to reduce elective induction of labor at an academic medical center

Mahnooh Nik-Ahd, School of Medicine, MD/MPH Program

Mentor: Dennis McCarty, PhD, Professor, Division Head, Health Services Research

Research Project: Effect modification in a multi-center randomized trial of exercise as treatment for substance abuse

2013 OSLER NIH TL1 AWARDS (SHORT TERM)

Britta Ameal, School of Medicine, MD Program

Mentor: Aaron Caughey, MD, PhD, MPH, MPA, Chair, Department of Obstetrics and Gynecology and Associate Dean for Women's Health Research and Policy

Research Project: Is increased cervical dilation on presentation to labor and delivery units associated with a reduced rate of cesarean or operative vaginal delivery?

Raluca McCallum, School of Medicine, MD Program

Mentor: Eric Schnell, MD, PhD, Assistant Professor, Anesthesiology

Research Project: Axonal sprouting and synapse development during post-traumatic adult neurogenesis

Sam Moulton, School of Medicine, MD Program

Mentor: Amie Peterson, MD, Neurology

Research Project: Changes in muscle strength associated with impaired balance in individuals with Parkinson's disease

Brenda Niu, School of Medicine, MD Program

Mentor: Aaron Caughey, MD, PhD, MPH, MPA, Chair, Department of Obstetrics and Gynecology and Associate Dean for Women's Health Research and Policy

Research Project: Effect of new gestational diabetes screening guidelines on treatment outcomes

Brandon Tullis, School of Medicine, MD Program

Mentor: Mark Pennesi, MD, PhD, Assistant Professor, Ophthalmology

Research Project: Evaluation of the Neuroprotective Potential of 5HT2A Antagonists MCI-9042 and ketanserin in a light damage model of retinal degeneration

Amanda Wong, School of Medicine, MD Program

Mentor: James T. Rosenbaum, MD, Division Chief of Arthritis and Rheumatic Diseases, Edward E. Rosenbaum Professor of Inflammatory Diseases.

Research Project: The Differentiation and Sub-Typing of Orbital Inflammation by Gene Expression Profiling for Diagnostic Purposes and Therapeutic Insights

2012 OSLER NIH TL1 AWARDS

Nathalie Javidi-Sharifi, School of Medicine, PhD in Cancer Biology Program

Mentor(s): Brian J. Druker, MD, Director, Knight Cancer Institute and Jeffrey W. Tyner, PhD, Assistant Professor, Hematology and Medical Oncology

Research Project: New therapeutic targets in gastrointestinal stromal tumor

Julia Marshall Leach, School of Medicine, PhD in Biomedical Engineering Program

Mentor(s): Fay B Horak, PhD, Professor, Medicine, Neurology and Tamara L Hayes, PhD, Associate Professor, Medicine, Biomedical Engineering

Research Project: Developing a novel method of assessing fall risk and declining cognitive and motor function in MCI

David Messenheimer, School of Medicine, PhD in Molecular Microbiology and Immunology Program

Mentor(s): Bernard A. Fox PhD, Adjunct Professor, Molecular Microbiology and Immunology

Research Project: The roles of tumor immunogenicity and the adjuvant GM-CSF in the induction of regulatory T cells in multiple tumor vaccination adoptive therapies

Jaime Zelaya, Jr., School of Medicine, MD/PhD Program

Mentor(s): Sandra Rugonyi, MS, PhD, Associate Professor, Biomedical Engineering

Research Project: Exploring the role that wall stress plays in determining abdominal aortic aneurismal expansion rate and addressing wall stress sensitivity to wall thickness using uniform and variable wall thickness mathematical models

2012 OSLER NIH TL1 AWARDS (SHORT TERM)

Kasim Mirza, School of Medicine, MD Program

Mentor(s): Monica Hinds, PhD, Biomedical Engineering

Research Project: Thrombogenic characterization of induced pluripotent stem cell derived endothelial cells under conditions of variable hemodynamic conditioning

Mario Padilla, School of Medicine, MD Program

Mentor(s): Joshi Alumkal, MD, Assistant Professor, Medicine, Hematology and Medical Oncology

Research Project: Targeting LSD1 in prostate cancer

Dawn Pruett, School of Medicine, MD Program

Mentor(s): Terry Morgan, MD, PhD, Assistant Professor, Pathology and Obstetrics & Gynecology

Research Project: Potential genetic etiology of chronic vestibulitis: pilot study

David Putnam-Pite, School of Medicine, MD Program

Mentor(s): Brian Johnstone PhD, Research Director, Orthopedics and Rehabilitation

Research Project: Characterization of articular cartilage progenitor cell clones

Phoebe Smitasin, School of Medicine, MD Program

Mentor(s): Justin Cetas, MD, PhD, Assistant Professor, Neurological Surgery

Research Project: The effects of RVM dermorphin-saporin on vasospasm and cognitive impairment following SAH in rats

Joshua Woodward, School of Medicine, MD Program

Mentor(s): William Skach, MD, Professor, Biochemistry and Molecular Biology

Research Project: Co-translational protein folding of ribosome-bound proteins: kinetic analysis

2011 OSLER NIH TL1 AWARDS

Autumn Fletcher, School of Medicine, PhD Program in Molecular and Cellular Biosciences (PMCB)

Mentor: Melanie Gillingham, PhD, RD, Assistant Professor, Molecular and Medical Genetics

Research Project: A survey of patients with deficiencies in mitochondrial trifunctional protein

Annika Giesbrecht, School of Medicine, MD/MPH program

Mentor: Thomas Becker, MD, PhD, Professor, Public Health and Preventive Medicine

Research Project: Prevalence and Predictors of Colorectal Cancer Screening Among American Indian and Alaska Native People in the Pacific Northwest Tribes: A BRFSS Project 2009-2010

James McCormack, School of Medicine, PhD Biomedical Informatics program

Mentor: Joan Ash, Professor and Vice-Chair, Medical Informatics and Clinical Epidemiology

Research Project: A Comparison of Clinical Laboratory Practices for Cross-Organizational Exchange of Electronic Test Results: Exploring the Barriers and Facilitators in Office, Hospital, and Commercial Labs

Tamara Olenyik, School of Medicine, PhD Program in Molecular and Cellular Biosciences (PMCB)

Mentor: Buddy Ullman, PhD, Professor, Biochemistry and Molecular Biology

Research Project: In Vivo Evaluation of Genetic and Pharmacological Targeting of the Leishmania donovani Polyamine Biosynthetic

2011 OSLER NIH TL1 AWARDS (SHORT TERM)

Brandon Dyer, School of Medicine, MD program

Mentor: Wayne Zundel, PhD, Assistant Professor and Division Director, Molecular Radiation and Cancer Biology

Research Project: Mapping the hypoxic/ischemic phosphoproteome in non-small cell lung cancer development

Michael Layoun, School of Medicine, MD program

Mentor: Peter Kurre, MD, Associate Professor, Pediatrics and Cell & Developmental Biology

Research Project: FLT-3-ITD-containing microvesicles as an AML biomarker.

Kassi Kronfeld, School of Medicine, MD program

Mentor: Justin Cetas, MD, PhD, Assistant Professor, Neurological Surgery

Research Project: The role of p450 eicosanoids in delayed microvascular spasm after subarachnoid hemorrhage.

Jia Ooi, School of Dentistry, DMD program

Mentors: John Engle, DDS, FADM, Assistant Professor, Pediatric Dentistry and Curt Machida, PhD, Professor, Integrative Biosciences and Pediatric Dentistry

Research Project: Differential attachment of mutans streptococci genetic strains to restorative materials in crowns in pediatric dental patients.

Michael Ryan, School of Medicine, MD program

Mentor: Erik Fromme, Associate Professor, Medicine, Radiation Medicine and Nursing; Assistant Director, center for Ethics in Health Care; Medical Director, OHSU Palliative Medicine & Comfort Care Team

Research Project: Drivers of quality of life decreases in head and neck radiotherapy patients.

David Simmons, School of Medicine, MD program

Mentor: Todd Korthius, MD, MPH, Associate Professor, Medicine and Public Health and Preventive Medicine

Research Project: Improving care for methamphetamine dependence and HIV.

2010 OSLER NIH TL1 AWARDS

Stephanie Crocker, School of Medicine, MD/MPH program

Mentor: Jennifer Devoe, MD, D.Phil., Assistant Professor, Family Medicine

Research Project: Assessing the impacts of the Healthy Kids Policy Initiatives on Oregon children's access to healthcare

Betty Liu, School of Medicine, MD/MPH program

Mentor: Patricia Carney, PhD, Professor, Family Medicine and Public Health & Preventive Medicine; Associate Director for Cancer Prevention, Control and Population Studies, Knight Cancer Institute

Research Project: Cancer screening practice in primary care practices of rural Oregon: Effects of the number and type of co-morbid conditions on cancer screening, and how primary care physicians converse with patients of varied health insurance and risks about cancer screening

Elizabeth Martin, School of Medicine, MD/MPH program

Mentors: Lynn Marshall, ScD, Assistant Professor, Orthopedics & Rehabilitation and Public Health & Preventive Medicine and Elizabeth Haney, MD, Assistant Professor, Medicine and Medical Informatics & Clinical Epidemiology

Research Project: Femoral volumetric bone density and dimensions in relation to 25-Hydroxy Vitamin D levels among older men

Jedediah Perkins, School of Medicine, PhD program in Biomedical Engineering

Mentor: Misha Pavel, PhD, Professor, Science & Engineering; Division Head, Biomedical Engineering

Research Project: Tracking cognitive decline in censored longitudinal data.

2010 OSLER NIH TL1 AWARDS (SHORT TERM)

Iraj Kasimi, School of Dentistry, DMD program

Mentors: Curt Machida, PhD, Professor, Integrative Biosciences

Research Project: Mutans Streptococci Isolates in caries-active children: Use of arbitrarily-primed polymerase chain reaction in the development of genetic fingerprints.

Julie Doberne, School of Medicine, MD program

Mentors: Frederick Tibayan, MD, Assistant Professor, Medicine, Division of Cardiothoracic Surgery and Kent Thornburg, PhD, Professor, Medicine; Associate Chief for Research, Division of Cardiovascular Medicine; Director, Heart Research Center

Research Project: The effects of increased systolic pressure in late fetal valve remodeling in an ovine model

Daniel Cho, School of Dentistry, DMD program

Mentors: John Mitchell, PhD, Assistant Professor, Biomaterials and Biomechanics

Research Project: Bone Graft Material to Revolutionize Tissue Regeneration

Adeline Plesiu, School of Medicine, MD program

Mentor: Thomas Scanlan, PhD, Professor, Physiology and Pharmacology and Kathryn Schuff, MD, Associate Professor, Medicine, Endocrinology, Diabetes and Clinical Nutrition

Research Project: Quantitative analysis of 3-iodothyronamine levels in human serum and tissues

Ross Anderson, School of Medicine, MD program

Mentor: Martin Schreiber, MD, Professor and Chief, Trauma and Surgical Critical Care

Research Project: The effect of lyophilized plasma reconstitution volume on clotting factors and coagulopathy in a multiple injury swine model of hemorrhagic shock

Sarah Williams, School of Medicine, MD program

Mentor: Susan Hayflick, MD, Professor and Chair, Molecular and Medical Genetics and Michael Kruer, MD, Fellow, Pediatrics, Divisions of Developmental Pediatrics and Pediatric Neurology

Research Project: Characterizing clinical features specific to subtypes of neurodegeneration with brain iron accumulation

2009 OSLER NIH TL1 AWARDS

Rebecca Allen, School of Medicine, MD/MPH program

Mentor: Dennis Bourdette, MD, Chair and Roy and Eulalia Swank Family Research Professor, Neurology

Research Project: The Effect of cognitive performance on quality of life and depression in multiple sclerosis

Gregory Hamilton, School of Medicine, MD program

Mentor: Martin Schreiber, MD, Professor and Chief, Surgery, Trauma and Surgical Critical Care

Research Project: The Effect of Vitamin C in Reconstituted Lyophilized Plasma on Post-Traumatic Dysfunctional Inflammation

Matthew Iles-Shih, School of Medicine, MD/MPH program

Mentors: Deborah Lewinsohn, MD, Associate Professor and Head, Pediatrics, Infectious Disease and David Lewinsohn, MD, PhD, Associate Professor, Internal Medicine, Pulmonary and Critical Care

Research Project: Analysis of non-response to CD8+ T cell-based ELISPOT immunoassay among individuals with active and latent Mycobacterium tuberculosis infection in Kampala, Uganda

Marisol Toliver-Sokol, School of Medicine, MD program

Mentor: Tonya Palermo, PhD, Associate Professor, Anesthesiology and Peri-Operative Medicine Clinical Research in Pain and Regional Anesthesia

Research Project: Daily mood as a predictor of sleep quality in adolescents with chronic pain

2009 OSLER NIH TL1 AWARDS (SHORT TERM)

Anna Cedar, School of Medicine, MD program

Mentors: Kent Thornburg, PhD, Professor and Associate Chief for Research, Medicine, Division of Cardiovascular Medicine; Director, Heart Research Center and Perrie O'Tierney, PhD, Postdoctoral Fellow, Heart Research Center

Research Project: Low Muscle Mass and Low BMI in Oregon Women Are Associated With Oxidative Stress in the Term Placenta

Steve George, School of Dentistry, DMD program

Mentor: John Mitchell, PhD, Assistant Professor, Biomaterials and Biomechanics

Research Project: Orthodontic Mini-Implant Stress Distribution and an Implant "Collar"

John Heineman, School of Medicine, MD/MPH program

Mentors: John Saultz, MD, Professor and Chair, Family Medicine and Jennifer DeVoe, MD, DPhil, Assistant Professor, Family Medicine

Research Project: Access Assured: An Exploratory Analysis of Patient Satisfaction and Care Utilization

Micah Naimark, School of Medicine, MD program

Mentor: Dennis Crawford, MD, PhD, Assistant Professor, Orthopedics and Rehabilitation

Research Project: Knee function testing as a clinical measure of cartilage injury and treatment

Alex Vo, School of Dentistry, DMD program

Mentor: Curt Machida, PhD, Professor, Integrative Biosciences

Research Project: Potential Selection of Fluoride-Resistant Mutans Streptococci: Phenotypic Characterization of Cariogenicity Markers of Acid Tolerance and Generation of Biofilms

Lei Wu, School of Medicine, MD program

Mentor: Kirk Lalwani, MD, Associate Professor, Anesthesiology and Pediatrics

Research Project: Complications Associated with IM Ketamine Premedication for Measurement of Intraocular Pressure in Children: A Case-Control Study

2008 OSLER NIH TL1 AWARDS

Bernadette Grayson, School of Medicine, PhD Neuroscience Graduate program

Mentors: Kevin Grove, PhD, Associate Scientist, Oregon National Primate Center and Kent Thornburg, PhD, Professor, Medicine, Cardiology

Research Project: Effects of maternal nutrition on placental inflammatory pathways in the human.

Emily King, School of Medicine, MD/MPH program

Mentors: Michelle Berlin, MD, MPH, Associate Professor, School of Medicine, Obstetrics and Gynecology and Terry Morgan, MD, PhD, Assistant Professor, School of Medicine, Pathology

Research Project: Retrospective analysis of the reproducibility of cervical biopsy diagnoses and added predictive value of immunostaining biopsies for p16 and Ki-67

Jennifer Redig, School of Medicine, PhD Molecular and Cellular Biochemistry Graduate program

Mentor: Cheryl Maslen, PhD, Professor, School of Medicine, Medicine, Cardiology

Research Project: A functional examination of a potential CRELD1-VEGF synergism and the genetic etiology of atrioventricular septal defects.

Melissa Wei, School of Medicine, MD/MPH program

Mentors: David Lieberman, MD, Professor and Chief, OHSU/VAMC, School of Medicine, Medicine, Gastroenterology and Edward Giovannucci, MD, ScD, MPH, Professor, Harvard University, Nutrition and Epidemiology

Research Project: Role of magnesium intake in colon cancer incidence.

2013 OSLER NIH TL1 AWARDS (SHORT TERM)

Vicky Chen, School of Dentistry, DMD program

Mentors: Curtis Machida, PhD, Professor, School of Dentistry, Integrative Biosciences; J. Craig Baumgartner, DDS, PhD, Professor and Chair, School of Dentistry, Endodontics; and Karla Kent, PhD, Associate Professor, School of Dentistry, Integrative Biosciences

Research Project: Inflammatory Detection of latent and reactivated herpes viruses in symptomatic endodontic pathosis.

Nicole Kearney, School of Medicine, MD program

Mentor: Buddy Ullman, PhD, Professor, School of Medicine, Biochemistry and Molecular Biology and William Lambert, PhD, Associate Professor, School of Medicine, Public Health and Preventive Medicine

Research Project: Antibiotic resistance levels in E.coli as a proposed measure of screening water quality.

Roxane Kotzin, School of Dentistry, DMD program

Mentors: John Mitchell, PhD, Assistant Professor, School of Dentistry, Biomaterials and Biomechanics and Jack Ferracane, PhD, Professor and Chair, School of Dentistry, Biomaterials and Biomechanics

Research Project: Degree of conversion and hardness of light-cured injectable polymers.

Nathaniel McCoy, School of Medicine, MD program

Mentor: Joseph Quinn, MD, Assistant Professor, School of Medicine, Neurology

Research Project: Brain volume in patients at risk for the development Alzheimer's disease and its correlation with CSF levels of beta-amyloid.

Edward Murphy, School of Medicine, MD program

Mentor: David Ellison, MD, Professor and Chief, School of Medicine, Medicine, Nephrology and Hypertension

Research Project: A translational approach to Gitelman Syndrome.

Brian Winters, School of Medicine, MD program

Mentor: John Robert O'Rourke, MD, Assistant Professor, School of Medicine, Surgery, General Surgery

Research Project: The role of macrophage cell line THP-1 in inflammation induced insulin resistance in human hepatocyte cell line Hep2G.

2007 OSLER NIH TL1 AWARDS

Kristine Alexander, School of Medicine, Molecular and Medical Genetics PhD program

Mentor: David Farrell, PhD, Associate Professor, School of Medicine, Pathology

Research Project: The role of gamma' fibrinogen in type II diabetes

Alex Foster, School of Medicine, MD, MPH program

Mentor: Christina Bethell, PhD, MBA, MPH, Associate Professor, School of Medicine, Pediatrics

Research Project: Elucidating the reasons for the lower prevalence of children with special health care needs in the Hispanic population

Wilmon Grant, School of Medicine, Neuroscience PhD program

Mentor: Daniel Marks, MD, MPH, Assistant Professor, School of Medicine, Pediatrics, Endocrinology

Research Project: The effects of maternal high fat diet on hepatic development in the non-human primate.

Maria Nelson, School of Medicine, MD program

Mentor: Craig Newgard, MD, MPH, Assistant Professor, School of Medicine, Emergency Medicine, Public Health and Preventive Medicine and Terri Schmidt, MD, Professor and Chair, Emergency Medicine

Research Project: The use of opt-out bracelets in resuscitation research

2007 OSLER NIH TL1 AWARDS (SHORT TERM)

Shivali Agnani, School of Medicine, MD program

Mentor: James Rosenbaum, MD, Professor, School of Medicine, Medicine, Ophthalmology and Cell Biology, Arthritis and Rheumatic Diseases

Research Project: Inflammatory mediators of NOD2 involved in uveitis

Natasha Fewkes, School of Medicine, MD program

Mentor: Daniel Marks, MD, MPH, Assistant Professor, School of Medicine, Pediatrics, Endocrinology

Research Project: The impact of maternal nutrition on fetal inflammation during lactation

Evelyn Ford, School of Medicine, MD program

Mentor: Leonardo Pereira, MD, Assistant Professor, School of Medicine, Obstetrics & Gynecology, Maternal Fetal Medicine

Research Project: Impact of HIV prevention strategies on HIV-related health outcomes in countries with current adult HIV/AIDS prevalence rates greater than 5%

Laura Rickert, School of Dentistry, DMD program

Mentor: Jack Ferracane, PhD, Professor and Chair, School of Dentistry Restorative Dentistry, Biomaterials and Biomechanics

Research Project: Evaluation of the effects of varying eugenol concentrations for a provisional zinc-oxide-eugenol restorative, on bond strength of resin-based restorative materials

Craig Riley, School of Medicine, MD program

Mentor: Tonya Palermo, PhD, Assistant Professor, School of Medicine, Anesthesiology and Peri-operative Medicine, Pediatric Anesthesia and Pain Management

Research Project: Effects of sleep on Anesthesia resident performance

Richard McKinney, School of Dentistry, DMD program

Mentor: John Mitchell, PhD, Assistant Professor, School of Dentistry, Restorative Dentistry, Biomaterials and Biomechanics

Research Project: Prevention of nickel ion leakage from NiTi orthodontic wires with an atomic layer deposition coating