

## 2018 Participants

Alexander Battin, Health Disparities in Penile Cancer of Patients in West Virginia

Mentor: Dr. Adam Luchey, Urology

Emily Ernest, Combination topical treatment to treat implant related infections

Mentor: Dr. Matthew Dietz, Orthopedics

Ekei Eyo, Role of the TGF-beta pathway in partial EMT and drug resistance of triple negative breast cancer (TNBC)

Mentor: Dr. Alexey Ivanov, Biochemistry

Christopher Ferari, Long-term radiographic outcomes/reoperation in zero-profile type ACDF hardware

Mentor: Dr. Cara Sedney, Neurosurgery

Erica Haight, Analysis of Nanoparticle Uptake and Inflammatory Sequelae in the Rat Olfactory System

Mentor: Dr. Adrienne Salm, Pathology, Anatomy and Laboratory Medicine

Sundus Lateef, Assessing Effectiveness of targeted Chemotherapeutics in the Treatment of Metastatic Breast Cancer

Mentor: Dr. Paul Lockman, Pharmaceutical Sciences

Jacob Mascaro, Electrolysis as an adjunct treatment combined with other antimicrobial agents and antibiotics in the removal of Staphylococcus aureus biofilms

Mentor: Dr. Matthew Dietz, Orthopedics

Douglas Maslowski, Characterizing novel openings (ora) in the vallate papillae and the structures underlying the ora-Assessing potential role in oral cancer invasion and progression

Mentor: Dr. H. Wayne Lambert, Pathology, Anatomy and Laboratory Medicine

Ian McArdle, Database on partial and radical robotic nephrectomy

Mentor: Dr. Chad Morley, Urology

Ryan Mezan, Develop and test multifunctional implant coatings for open fractures

Mentor: Dr. Bingyun Li, Orthopedics

Josh Moore, Effect of nicotine and e-cigarettes cardiovascular and respiratory structure and function

Mentor: Dr. Mark Olfert, Exercise Physiology

Hillary Pratt, Electrolysis as an adjunct treatment combined with other antimicrobial agents and antibiotics in the removal of Staphylococcus aureus biofilms

Mentor: Dr. Brock Lindsay, Orthopedics

Bayan Razzaq, High Resolution 3D Reconstruction and Biophysical Modeling of a Mouse Globular Bushy Cell

Mentor: Dr. George Spirou

Kassie Riggs, The Relationship between Fitness/Activity Levels and Common Urological Complaints: A WVU Clinical Experience

Mentor: Dr. Stanley Kandzari, Urology

Benjamin Russell, Post-operative Thrombocytosis in Head and Neck Free Tissue Transfer Surgery: Impact on Surgical and Oncologic Outcomes

Mentor: Dr. Rusha Patel, Otolaryngology

Sindhu Saba, Behavioral Medicine

Mentor: Dr. Judith Feinberg, Behavioral Medicine

Sam Salmassi, Identifying functional and structural connectivity in differently activated multisensory brain regions of individuals with Autism-Spectrum Disorder

Mentor: Dr. James Lewis, Physiology, Pharmacology and Neuroscience

Ashlee Seldomridge, Impact of Immunotherapy and Palliative Care Consultation on Outcomes of Patients with Brain Metastasis

Mentor: Dr. Malcolm Mattes, Radiation Oncology

Douglas Sgroi, Outcome of Acutely Presenting Isolated Extra cranial Carotid Occlusion

Mentor: Dr. Ansaar Rai, Neuroradiology

Sean Snyder, Identification of Anomalies in Cerebral Vasculature: Implications for Ischemic Stroke Incidence

Mentor: Dr. Ashley Petrone, Pathology, Anatomy and Laboratory Medicine

Shruthi Sreekumar, PNPase Mitochondrial RNA import

Mentor: Dr. John Hollander, Exercise Physiology

Allison Thompson, An Innovative Strategy to Increase Accessibility to High Quality Ultrasound Education

Mentor: Dr. Joseph Minardi, Emergency Medicine

Amber Vozar, Negatively Reinforced Manding in children with Autism

Mentor: Dr. Lesley Cottrell, Pediatric Research

Makenna Boone, High throughput screen for identification of sensitizers to MTI-101 induced cell death in multiple myeloma

Mentor: Dr. Lori Hazlehurst, Pharmaceutical Research

Kortney Pugh, Targeting SIRT6 for FA-AML Treatment

Mentor: Dr. Wei Du, Pharmaceutical Research