10 am Presentation Schedule

February 20, 2018
Neuropathology I
Alison Dona, *The Role of the Amygdala in Adolescent Depression*
Hoa Phuong Trinh, *Alzheimer’s Disease & Risk Factors*
Ricky Waterman, *Prion Protein Deletion in Patients with Familial Alzheimer’s*
Jacquelyn Kopp, *Treatments of Amyloid-β Plaque in Alzheimer’s Disease*

Cancer & Molecular Biology
Jardon Weems, *Myelodysplastic Syndrome & Emerging Treatments*
Shayon Ghahyasi, *Stem Cell Therapy: Induced Pluripotent Stem Cells*
Hannah Zweig, *FLT3 Mutation in Acute Myeloid Leukemia & Effective Treatments*
Anna Horacek, *Bacteriophage Therapy in Treating Multidrug-Resistant Pathogens*

February 27, 2018
Addiction Medicine
Gabrielle Aufderheide, *Best Treatment for Infective Endocarditis in Drug Users*
Emilee Morgan, *Medicinal 3,4-Methylenedioxy-methamphetamine (MDMA)*
Gabe Mata, *Fentanyl Physiological Effects*

Neuropathology II
Haley Evanshenk *Parkinson’s Disease & Deep Brain Stimulation*
Mariana Ignacio, *Chronic Traumatic Encephalopathy (CTE) & Tau Protein*
Sarah Wheeler, *Migraines, Triptans and Coronary Vasoconstriction*

Cardiovascular Medicine & Immunology
Heather Hickey, *Adverse Effects of Chemotherapy on Blood System*
Paige Landoll, *Heat Stress on the Cardiovascular System*
Alison Monahan, *Pathophysiology of Sepsis*

March 6, 2018
Immunology & the Environment
Sarah Susman, *Immune Evasion of Cancer & Therapeutic Options*
Patricia De Villa, *Dengue Virus & Vascular Leakage*
Tanner Wentlandt, *Lyme Disease: Physiology & Vectors*
Michelle Wang, *Fecal Transplantation in Clostridium difficile Patients*

Nutrition & Disease
Natalie DeBell, *Cardiovascular Disease Prevention through Fiber Intake*
Matthew Manniello, *Caffeine Use & the Effects on the A1 Receptor*
Alison Watkins, *Establishing the Infant Gut Microbiome*
Madeline Baysinger, *Carotenoids & Human Health*
12 n Presentation Schedule

**February 20, 2018**

**Addiction Medicine**
Ian Alexander, *Alcohol & Prolonged Exposure to Human Organs*
Nadav Menashe, *Naloxone (Narcan): A True Life Saver*
Daniel Blexrude, *Effects of Drug Use on Neurotransmitter Concentration*

**Cancer & Molecular Biology**
Jack McLean, *Erlotinib in Treating Non-Small Cell Lung Cancer*
Austin Dobaj, *Peripheral T-Cell Lymphoma: Diagnosis & Treatment*
Hanna Minns, *Single-Cell Expression Profiling for Targeted Cancer Treatments*
Meuy Saechao, *Chemotherapy & Reproductive Function*

**February 27, 2018**

**Neuropathology & Immunology**
Katie Buerk, *Neonatal Brain Development & Inflammation*
Madison Javitz, *Neurobiological Basis of Anxiety Disorders*
Alyssa Lewis, *Gut Microbiota & Anxiety*

**Endocrinology, Reproduction & Immunology**
Makayla Painter, *Treatments of Type II Diabetes*
Rachel Raniele, *Selenoprotein P & Insulin Resistance in Type II Diabetes*
George Deardorff, *Adropin & the Maintenance of Energy Homeostasis*
Robyn Naidoo, *Plaque Psoriasis & Treatment Options*
Aurora Leiferman, *Combination Oral Contraceptives & Thrombosis*

**March 6, 2018**

**Special Topics**
Noveneet Kaur, *Biological Weapons of Warfare & Effects on Human Health*
Kiley Bonin, *Chikungunya Virus Disease: Potential Mechanisms*
Kelsey Jensen, *Kidney Disease: Causes & Treatments*

**Nutrition & Disease**
Annabelle Gallo, *Energy Drinks & Health*
Alena Haugen, *Intermittent Fasting*
Alaina Russell, *Polycystic Ovarian Syndrome (PCOS), Diet & Exercise*
2 pm Discussion Section

February 20, 2018

Neuropathology
Donnell Marzo, Hippocampal Neuroplasticity & Pediatric Clinical Depression
Hunter Kellerman, Selective Serotonin Reuptake Inhibitors (SSRIs) & Depression
Jason Fritz, Genetic Deafness: Prevalence & Physiology
Christian Spear, Alzheimer’s Disease & Diabetes
Toby Passman, PGC-1α, Mitochondrial Biogenesis & Neurodegenerative Diseases

Cardiovascular Diseases
Josh Mostales, Percutaneous Coronary Intervention (PCI) to Treat CAD
Erin Anderson, Pre-eclampsia & Aspirin
Jeff Fan, Coagulation Diseases

February 27, 2018

Immunology, Endocrinology & Reproduction
Kenna Banford, Influenza & Yearly Vaccinations
Michael Standring, Malaria: Methods of Termination
Kailee Pelino, Vitiligo: Causes, Symptoms & Treatments
Kelly Royster, Polycystic Ovary Syndrome: Cause, Effects & Treatments
Kelsey Douglas, Uterine Leiomyoma (Fibroid) Pathology: Potential Role of Telocytes
Michael Khoury, Eczema & Filaggrin Mutations

Exercise & Environmental Physiology
Bailey Briscoe, Bodily Adaptations to Extreme Climates
Sierra Gonzales, Oxiracetam & Stimulation to Reduce Cognitive Injury at High Altitude

March 6, 2018

Nutrition & Disease
Andrew Nguyen, Severe Nut Allergies
Jessica Zuniga, Vitamins & Cancer Prevention
Deven Adams, Red Wine & Cardiovascular Diseases
Arlo Willhoft, Effects of Yerba Mate Consumption
Miranda Schulz, Phenylketonuria: Diagnosis & Treatment

Special Topics
Alexa Armolea, Sodium Butyrate in Spinal Muscular Atrophy (SMA) Treatment
Hannah Harkness, Bone Marrow & Adipocyte Generation