

## 10 am section

### February 21, 2017

#### **Addiction Medicine/Pharmacology**

Ghazaleh Louie *Alcohol consumption & cancer risk*

Rebekah Fraser *Is ritalin a gateway drug to cocaine?*

Lillie Fligel *E-cigarettes vs. combustible cigarettes: health risks in adolescents*

Daniel Antonson *Antipsychotics for the treatment of schizophrenia*

Logan Ems *Keppra (Levetiracetam) and preventing seizures*

#### **Developmental-Molecular Biology & Innovative Medicine**

Klare Aziz *Embryonic development & holoprosencephaly*

Jordan Bailey, *Restoring missing sensory function for limb use in prosthetics*

Myles Vigoda *Clustered regularly interspaced palindromic repeats (CRISPR)*

### February 28, 2017

#### **Neuropathology I**

Adair Keallinohomoku *Can botulism be used as treatment for Parkinson's?*

Kevin Zumwalt *Amyloid- $\beta$ , sleep and Alzheimer's*

Devon Blew *Effects of Sphingosine 1-phosphate receptors on CNS diseases*

#### **Neuropathology II**

Nico Maier *Sundowning in dementia*

Katelyn Conroy *Vitamin D & multiple sclerosis*

Katie Williamson *Stress & learning*

#### **Immunology**

Sarah Heppler *Methicillin-resistant staphylococcus aureus on college campuses*

Dorsa Rahmatpoor *Immunotherapy & type I diabetes*

Cassie Decker *Immunology of breast milk in infants*

### March 7, 2017

#### **Cardiovascular & Pulmonary Medicine**

Abbey Johnson *Exercise in preventing preeclamptic pregnancy*

Shelby Terebesi *Hemochromatosis & use of hepcidin as symptom management*

Natalie Mosqueda *Lung cancer: genetic predisposition*

Aidan Grealish *Efficacy & limitations of wearable health monitoring tools*

#### **Exercise & Environmental Physiology**

Julie Dang *Microgravity & human cells*

Mallory Stutzer *Decompression sickness*

Nick Dietz *Therapeutic hypothermia*

Kjellen Gallegos *Whey protein, muscle growth & strength*

## 12n section

### February 21, 2017

#### **Pharmacology & Neuropathology**

Raymond Tran *Adderall for attention-deficit hyperactivity disorder (ADHD)*

Lucas Flores *Clozapine & schizophrenia*

Jacob Zarling *Acetaminophen replacement drugs & toxicity*

#### **Molecular & Developmental Biology**

Nicole Sims *Adenosine receptors & sleep regulation*

Brad Leuenhagen *Molecular biology of recombinant erythropoietin (EPO)*

Dorian Yeh *Stem cell therapy for neurodegenerative disorders*

Eliza Hepburn *Serotonin effect on brain development*

### February 28, 2017

#### **Neuroendocrine Pathology**

Breana Levandowsky *Migraine headaches & treatments*

Victoria Amiel *Parkinson's disease causes*

Madison Kaufman *Parkinson's disease therapies*

Allison Zhou *Huntington's disease & symptomatic therapies*

Samantha Bryan *Polycystic ovary syndrome: metabolic dysfunction & treatment*

#### **Nutrition & Exercise**

Magnus Johnson *Cryotherapy & athletic training*

Alec Aebischer *Dietary effects on body composition*

Brooke Valdez *Exercise & ...*

### March 7, 2017

#### **Immunology & Reproduction**

Victoria Russell *Biologics & treatment of auto-immune diseases*

Kathryn Blumhardt *Peanut allergy & prevention*

Gianna Nardone *Celiac disease & non-celiac subjects*

Julia Fischer *Chlamydia infection in women in sub-Saharan Africa*

#### **Pediatrics**

Maria Marin *Childhood abuse & psychopathology in adulthood*

Mariah Ferris *Sudden infant death syndrome: potential causes & prevention*

## 2 pm section

### February 21, 2017

#### **Neuropathology & Treatments**

Veronica Popchock *Guillain-Barre syndrome: predisposition & diagnosis*

Halli Roussell, *Huntington chorea: pathophysiology & treatment*

Zac Wennberg-Smith *Melatonin as treatment for bi-polar disorder*

#### **Pharmacopathology & Addiction Medicine**

Mabry Gentry *Malaria & anti-malarial drugs*

Joshua Hawes *Can MDMA's cytotoxicity be harnessed to fight cancer & lymphoma?*

Mark Lindquist *Heritability of alcoholism*

### February 28, 2017

#### **Nutrition, Metabolism & Pathology**

Brad Collins *Wine benefits & cardiovascular health*

Morgan Macomber *Dark chocolate cardiovascular effects*

Austin Cuttone *Geophagy*

Jason Sloan *Glycogen depletion, lipid oxidation & fat loss*

Lily Wray *Ketogenic diet & weight loss*

Tela Caul *Is aspartame a safe and effective dieting agent?*

#### **Sports Medicine & Exercise Physiology**

John Ghattas *Sex hormones & knee cruciate ligament rigidity*

Katie Winters *Is it best to train in the morning or the evening?*

### March 7, 2017

#### **Immunotherapy & Special Topics**

Isabella Dickerson *Celiac disease*

Willem Griffiths *Translational read-through therapy for cystic fibrosis*

Preston Warren *CD8+ T-cell therapies for blood cancer*

Savannah Tran *Angiotensin & septic shock*

#### **Special Topics**

Morgan Adams *A mother's diet & breast feeding*

Hayley Adair *Thygeson's superficial punctate keratitis (TSPK)*