

## 10 am section

### February 11, 2014

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

Henry Broderick, *Salvinorin A: physiological effects*

David Dufour, *Ethylene glycol toxicity*

Ryan Scott, *Effects of methamphetamine exposure in utero on child development*

Sophia Tarzaban, *Newly-emerging designer drugs of abuse*

#### **Cancer**

Brian Duke, *Exercise effects in cancer patients*

Conor Brody, *Nanodiamond delivery of tumor-suppressing drugs*

Emily Schaffer, *Can kava root cure cancer?*

### February 25, 2014

#### **Gastroenterology & Nutrition**

Michael Tomcal, *Human gut microbiome & C. difficile*

Kimberly Lerner, *Green tea & cancer*

Hanna Moore, *Gluten: a new public enemy?*

Delaney Butler, *Non-celiac gluten sensitivity*

Holli Davis, *Proton-pump inhibitors & acid-related diseases*

#### **Special Topics**

Chelsea Dyson, *Chronic idiopathic thrombocytopenic purpura in adults*

Marcus Largent, *Mindfulness-based stress reduction & post-operative recovery*

Alice Rear, *Mechanisms of deregulation in insulin signaling: the role of PI3K*

### March 4, 2014

#### **Neuropathology I**

Harrison Fontaine, *Alzheimer's disease: review of pathology*

Alexandra Small, *Alzheimer's disease & brain effects*

Emma Gowdy, *Drug-free prevention of Alzheimer's disease*

#### **Neuropathology II**

Angela Jacobs, *Parkinson's disease*

Bodie Ebergeny, *Chronic traumatic encephalopathy in athletes*

Madeline Cresswell, *Myasthenia gravis: causes, symptoms & solutions*

## 12n section

### February 11, 2014

#### **Neuropathology I**

Derek Smith, *Alzheimer's disease & cholesterol*

Matthew Ta, *Alzheimer's disease & vitamin E*

Haritareddy Lakireddy, *Multiple sclerosis: CNS effects & treatments*

Lindsay Powell, *Phantom-limb pain: mechanism & treatment*

Jennifer DuFour, *Ketamine as a treatment for severe depression & anxiety*

#### **Addiction & Pharmacology**

Lindsay Goff, *Alcohol & pancreatic function*

Leigh Martin, *Hypnosis as a treatment: PTSD, drug addiction, pain & cancer*

### February 25, 2014

#### **Nutrition as Therapy**

Dylan Haynes, *B vitamins & neurological function*

Bryanna Houdeshell, *PMS relief with vitamin B<sub>6</sub> & magnesium*

Soo Kyung Hwang, *Antioxidants in treating chronic Chagas disease cardiomyopathy*

#### **Immunology & Cancer**

Matthew Boehmer, *Glymphatic system*

Carly Celebrezze, *Airway mucus hypersecretion in childhood asthma*

Aimee Schultz, *Carcinogenic effects of ionizing radiation*

### March 4, 2014

#### **Exercise Physiology & Pregnancy**

Christopher Jentzsch, *Exercise during pregnancy*

Megan Simmons, *Universal screening for hypothyroidism during pregnancy*

Ellie Vanderhei-McMahon, *Undiagnosed celiac disease & issues with pregnancy*

Jacob Moore, *Pre-workout & exercise*

#### **Special Topics: Pathology**

Justine Grossman, *Obstructive sleep apnea (OSA)*

Julia Metzler, *Spontaneous pneumothorax*

Brian Tessman, *The bionic pancreas: a new cure for type I diabetes mellitus?*

## 2 pm section

### February 11, 2014

#### **Neurophysiology & Developmental Pathology**

Brandon Beckman, *Head trauma & neurodegenerative disorders in professional athletes*

Christopher Colasurdo, *Omphaloceles in newborns*

Kristy Kim, *Ketamine & neurotoxicity*

Lauren Hotell, *Brain games & improving cognitive function*

Allegra Norton, *Does maternal stress during pregnancy impact offspring?*

#### **Orthopedics & Exercise Physiology**

Samuel Frost, *Treatments for lumbar spinal stenosis*

Christopher Gronseth, *Caffeine & aerobic exercise*

### February 25, 2014

#### **Addiction Medicine & Pharmacology**

Manning Walker, *Antipsychotic medication and metabolic dysfunction*

Zachary Cinti, *Alcohol dangers for the human body*

Amaya Drake, *Cocaine cardiovascular effects*

#### **Nutrition & Pathology**

Christine Betlinski, *Gluten sensitivity and intolerance*

Anthony Steingrobe, *Sugar addiction & obesity*

Calvin Summers, *Obesity & gut microbiota*

Bryan Toft, *Nutrition & cognitive function*

Mary-Ann Dobrota, *Maternal malnutrition & fetal programming of disease*

### March 4, 2014

#### **Cardiovascular Physiology**

Jennifer Loge, *When the heart fails*

Campbell Patterson, *Biosynthetic prosthetic heart valves*

#### **Immunology**

Lucas Einhorn, *Guillain-Barré syndrome*

Ruchira Khosavanna, *Human immunodeficiency virus (HIV) & new medications*

Juliana Weiss, *Flu vaccine controversy*