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Addiction Medicine/Pharmacology
Ghazaleh Louie Alcohol consumption & cancer risk
Rebekah Fraser Is ritalin a gateway drug to cocaine?
Lillie Flagel 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)

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Neuropathology I
Adair Kealiinohomoku Can botulism be used as treatment for Parkinson's?
Kevin Zumwalt Amyloid-β, 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

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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
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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

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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 & ...

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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
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**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*

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**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?*

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**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 *Angiopoietin & septic shock*

**Special Topics**
Morgan Adams *A mother’s diet & breast feeding*
Hayley Adair *Thygeson’s superficial punctate keratitis (TSPK)*