

**2022-2023 DEPARTMENT OF PHARMACOLOGY
RESEARCH DISCUSSIONS**

BIOM/PHAR 295

Zoom Link: <https://uhealth.zoom.us/j/84014318042>

TIME SLOT A -- 9:00 - 9:30 AM TIME SLOT B -- 9:30 - 10:00 AM

(20 min. presentation, 10 min. question/answer period)

For other AV needs, contact the Pharmacology Education Office at least one week prior to your presentation

ABSOLUTELY NO CHANGES WITHOUT PHARMACOLOGY EDUCATION OFFICE APPROVAL

23-Sep	A	Tukey	Andre Alberto Weber	Lactational delivery of Triclosan promotes non-alcoholic fatty liver disease in newborn mice
	B	Handel	Cheyenne Shin	Exploiting CXCR3-chemokines for improved cancer immunotherapy through cytotoxic cell recruitment
30-Sep	A	Trejo	Lennis Orduna-Castillo	Endothelial cytoprotection driven by PAR1-beta-arrestin transducer bias
	B	Zhang	Shawn Mingyuan Chen	A Highly Sensitive Fluorescent Akt Biosensor Reveals Lysosome-Selective Regulation of Lipid Second Messengers and Kinase Activity
7-Oct	A	Yang	Daehwan Kim	A membrane-associated mechanotransduction signaling network in tumor invasion
	B	Gutkind	Bryan Yung	Targeting the immune GPCR repertoire as a novel multimodal cancer immunotherapy strategy for oral cancer
14-Oct	A	S. Taylor/Newton	Alexandr Kornev	Graph-theoretical analysis of two PKC α spinocerebellar ataxia mutants
	B	Karin	Laura Antonucci	Oxidative stress Converts RAS Initiated Preneoplasia to Cancer Via a Self-Amplifying NRF2-EZH2 Loop
21-Oct	A	Furnari	Brandon Jones	Investigating PTEN:Ki-67 Interactions and its Role in DNA Damage Repair
	B	McCammon	Christian Seitz	Computer-aided Drug Discovery for Tuberculosis
28-Oct	A	Schöneberg	Zachary Wang	Quantification of the 4D mitochondrial network
	B	Trejo	Helen Wedegaertner	GPCR regulation of alpha-arrestin ARRDC3 function
4-Nov	A	Chun	Linnea Ransom	Transcriptomic assessment of brain-derived extracellular vesicles (EVs) identifies cell-type specific packaging of intact mRNAs
	B	Gonzalez	Carlos Gonzalez	Location-Specific Signatures of Crohn's Disease at a Multi-omics Scale.
11-Nov (Veterans' Day)				
18-Nov	A	Karin	Ju Youn Kim	How Diets Regulates NASH Development
	B	Daneman	Ricardo Lozoya	Understanding the Blood-Nerve Barrier in Health and Disease
25-Nov (Thanksgiving Holiday)				
2-Dec	A	Gutkind	Sendi Adame Garcia	HuR links PKA activity to the mRNA stabilization of COX2 and the amplification of PGE2 signals
	B	Dixon	Josh Mayfield	Ca ²⁺ regulation by casepuestrin
9-Dec	A	Zhang	Michelle Frei	Chemigenetic biosensors to investigate kinase activity architecture at the nanoscale
	B	S. Taylor	Pallavi Kaila Sharma	Understanding the role of LRRK2 Tail in the crosstalk between kinases and the N-terminal domains
23-Dec - 2-Jan (Winter Break)				
6-Jan	A	Gustafsson	Wenjing Liang	Extracellular Vesicles Function As An Alternative Disposal Pathway For Mitochondria In The Heart
	B	Newton	Alex Jones	Single Residue Mutation in Protein Kinase C Toggles Between Cancer and Neurodegeneration
13-Jan	A	S. Taylor	Evan Kobori	Characterization of the activation mechanism of p90 Ribosomal S6 Kinase (RSK)
	B	Yang	Rosa Fontana	Invasodopodia regulation in cancer invasion and metastasis
20-Jan	A	Gutkind	Pham Vo	The role of PKA in regulating mitochondrial quality control
	B	Tukey	Xiaoqing Yang	Neonatal arsenic exposure induces lipid driven epithelial cell maturation, resulting in dyslipidemia and NAFLD.
27-Jan	A	P. Taylor	Xiaoying Huang	Acquiring balanced antidotal activity to organophosphate pesticides and nerve agents in the central and peripheral nervous systems.
	B	Newton	Celeste Gauron	PKC-eta variants in Alzheimer's Disease
3-Feb	A	Dennis	Malgorzata (Gosia) Murawska	Cellular Specificity of Phospholipase A2 Enzymes in Macrophages
	B	Trejo	Monica Gonzalez Ramirez	Identifying Key Determinants of GRK5 Function in Regulating Thrombin vs APC-activated PAR1 Biased Signaling in Endothelial Cells
10-Feb	A	X Chen/Daneman	Leigh-Ana Rossitto	Dissecting the Molecular Mechanism of the Ketogenic Diet in Alzheimer's Disease
	B	S. Taylor	Jody Weng	Domain dynamics of the ROC GTPase domain in LRRK2
17-Feb	A	Joiner	Joydeep De	A Neural Circuit for Sleep Homeostasis
	B	Zhang	Sohum Mehta	High-performance Sensor Design for Greater Insight into Endogenous Signaling Microdomains
24-Feb	A	Gonzalez	Consuelo Saucedo	Gut Microbiome and proteolysis
	B	Daneman	Iris Garcia-Pak	What is the role of the blood-brain barrier in brain excitation?
3-Mar	A	Trejo	Norton Cheng	Regulation of GPCR-mediated p38 MAPK pro-inflammatory signaling by deubiquitinases
	B	Yang	Jade Zhang	Epithelial polarity in cancer invasion and metastasis
10-Mar	A	Daneman	Reid Larsen	The Blood-Brain Barrier Glycocalyx in Health and Neuroinflammatory Disease
	B	S. Taylor	Jessica Bruysten	Cb isoforms of PKA
17-Mar	A	Daneman	Meghan Rossi	How Diet Affects the Blood-Brain Barrier
	B	Newton	Stefanie Hodapp	Regulation of PKC theta by Phosphorylation
24-Mar	A	Handel	Thomas Shroka	Understanding the mechanisms which regulate ligand scavenging by chemokine receptor CCR2
	B	Gutkind	Lauren Clubb	Uncovering a Liquid Biomarker for Tumor Response to ICI in HNSCC
31-Mar (Cesar Chavez Holiday)				
7-Apr	A	Hangauer	Brandon Mauch	Cancer Persister Cells Mediate Immune Escape
	B	Newton	Tiffany Kao	Down regulation mechanisms of PKC
14-Apr	A	Gustafsson	Justin Quiles	Mitochondrial Import of Misfolded Cytosolic Proteins in Cardiac Myocytes
	B	Gonzalez	Dominic McGrosso	A Clinical 'Omics Perspective of Enterococcal Infections
21-Apr	A	Karin	Junlai Liu	IL-22 alleviates NAFLD by suppressing fat absorption
	B	Trejo	Mika Caplan	Regulation of GPCR-induced Hippo pathway signaling by c-Src in breast carcinoma
28-Apr	A	Zhang	Jinfan Zhang	An Ultrasensitive Fluorescent Biosensor for Multi-modal Kinase Activity Detection
	B	Brown	Olga Chaim	Role of G12 signaling in glioblastoma tumor growth and invasion
5-May	A	Daneman	Sean Harvey	Blood-brain barrier dysregulation in Alzheimer's disease
	B	Newton	Hannah Tovell	Regulation of PKC by the phosphatases PHLPP1/2 in PDAC
12-May	A	Yang	Calista Horta	A novel phosphatase in matrix stiffness-driven tumor invasion and metastasis
	B	Karin	Li Gu	FBP1 is a nonenzymatic safety valve that prevents insulin hyperresponsiveness
19-May	A	Gutkind	Thomas Hoang	Multimodal precision therapy to prevent tobacco-related head and neck cancer
	B	Gonzalez	Igor Weirzbicki	Validation of S. pneumoniae S protein as a novel therapeutics target
26-May	A	Nizet	Daniel Sun	TBA
	B	Gonzalez	Charlie Bayne	TBA
	C	O'Donoghue	Diego Trujillo	TBA
2-Jun	A	Snyder	Maya Vasishth	TBA
	B	Cherish	Arin Nam	TBA
	C	Trejo	Ove Bosompra	GPCR regulation in breast cancer
9-Jun	A	Furnari	Clark Wang	Identifying ATRT drug targets that overcome stalled differentiation
	B	Yang	Khoa Doan	Non-canonical EPHA2 signaling in mechanotransduction
	C	Newton	Anthony Rincon	TBA

5/26, 6/2 & 6/9:

A) 9:00a

B) 9:20a

C) 9:40a