



THE UNIVERSITY OF ARIZONA
College of Medicine
Tucson



ARIZONA DEPARTMENT
OF HEALTH SERVICES
ARIZONA BIOMEDICAL RESEARCH CENTRE



TRANSLATIONAL MEDICINE SYMPOSIUM

March 22, 2024

TRANSLATIONAL MEDICINE SYMPOSIUM AGENDA

7:30 - 8:10 a.m.	Registration <i>Continental Breakfast</i>	
8:10 - 8:15 a.m.	Welcome	JENNIFER S. CAREW, PHD
8:15 - 9:15 a.m.	Opening Keynote <i>Oncolytic virotherapy: priming tumors for novel combinatory strategies</i>	DEVALINGAM MAHALINGAM, MD, PHD
9:15 - 9:50 a.m.	<i>Fueling Translational Science in Arizona:</i> <i>The Southwest Center for Advancing Clinical and Translational Innovation (SW CACTI)</i>	SALLY RADOVICK, MD
9:50 - 10:50 a.m.	The Future of Translational Research <i>Data Blitzes from Three T32 Integrative Cancer Scholars</i> <i>PIM Kinases alter the prostate tumor immune microenvironment</i>	AMBER CLEMENTS, PHD STUDENT <i>Mentored by Noel A. Warfel, PhD</i> <i>A role for the transient activation of AKT in drug resistance in colorectal cancer</i> JULIA MORRIS, MD/PHD STUDENT <i>Mentored by Curtis A. Thorne, PhD</i> <i>The S180R variant of DNA Polymerase β as a potential cancer driver</i> DANIELLE SAWYER, MD/PHD STUDENT <i>Mentored by Joann B. Sweasy, PhD</i>
10:50 - 11:00 a.m.	BREAK	
11:00 - 11:45 a.m.	<i>Arizona Center for Drug Discovery</i> <i>Overview of Capabilities and Pathway to Collaboration</i>	WEI WANG, PHD CHRIS PENTON, PHD
11:45 a.m. - 12:45 p.m.	Lunch and Graduate Student Poster Competition	
12:45 - 1:45 p.m.	Afternoon Keynote <i>Targeting protein homeostasis to overcome resistance in acute myeloid leukemia</i>	KEVIN KELLY, MD, PHD
1:45 - 2:00 p.m.	Presentation of Graduate Student Poster Session Awardees <i>End of Program</i>	JENNIFER S. CAREW, PHD

GRADUATE STUDENT POSTER PRESENTERS

PIM Kinases alter the prostate tumor immune microenvironment

**AMBER CLEMENTS, PHD CANDIDATE
CANCER BIOLOGY**
amberclements@arizona.edu

Kynurenine pathway metabolism in Renal Cell Carcinoma

**KAYLA MILLER, PHD CANDIDATE
CANCER BIOLOGY**
kmiller14@arizona.edu

Senolysis Enabled by Senescent Cell-Sensitive Bioorthogonal Tetrazine Ligation

**MENGYANG CHANG, PHD CANDIDATE
CHEMISTRY AND BIOCHEMISTRY**
mengyangchang@arizona.edu

Development of a Point-of-Care Paper-based Capillary-driven Vertical Flow Immunoassay for the Detection of Radiation Dosimetry Proteins

**ASHKAN KHANISHAYAN, PHD STUDENT
CLINICAL TRANSLATIONAL SCIENCES**
akhanishayan@arizona.edu

Impact of low left ventricular mass index in patients with Cirrhosis

**SHOMA BOMMENA, PHD CANDIDATE
CLINICAL TRANSLATIONAL SCIENCES**
shoma@arizona.edu

Development of Drug Selectivity Workflow Demonstrated with FAK-PPI Inhibitor Peptide

**BROCK HAY, PHD STUDENT
CLINICAL TRANSLATIONAL SCIENCES**
brockhay@arizona.edu

Transcriptomic Analysis Identifies Key Focal Adhesion and Integrin Pathways Involved in Myofibroblast Differentiation in Liver Fibrosis

**NICOLLE HIPSCHEMAN, PHD STUDENT
CLINICAL TRANSLATIONAL SCIENCES**
nviloria@arizona.edu

Development of a New Uveal Melanoma Model for Testing of a Nanoparticle-delivered Gene Therapy

**NICOLE SHERWOOD, MS STUDENT
CLINICAL TRANSLATIONAL SCIENCES**
nicolesherwood@arizona.edu

Oxytocin as nature's medicine

**RANA MEKHA, PHD STUDENT
CLINICAL TRANSLATIONAL SCIENCES**
ranam@arizona.edu

Exploring mechanisms of antimicrobial escape

**KAYLA MILLER, PHD CANDIDATE
MOLECULAR MEDICINE**
ysanchezrosario@arizona.edu

Loss of Acid Ceramidase Abrogates the Activation and Infiltration of Myeloid and T cells to Alleviate Chronic Colitis in IL10^{-/-} Mice

**KEILA ESPINOZA, PHD STUDENT
PHYSIOLOGICAL SCIENCES**
espinoza5@arizona.edu



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We respectfully acknowledge the University of Arizona is on the land and territories of Indigenous peoples. Today, Arizona is home to 22 federally recognized tribes, with Tucson being home to the Oꟼodham and the Yaqui. Committed to diversity and inclusion, the University strives to build sustainable relationships with sovereign Native Nations and Indigenous communities through education offerings, partnerships, and community service.