

CNRCS SYMPOSIUM 2019

LOCATION: *University of Houston, Center for Nuclear Receptors and Cell Signaling
3507 Cullen Blvd., SERC Bldg., Room E3007*

DATE: *September 13, 2019*

PARTICIPANTS: *CNRCS Graduate and Undergraduate Students, Faculty and Research Staff*

OBJECTIVE: *Provide the opportunity for CNRCS students and research staff to share research objectives and findings through oral and poster presentations.*

AGENDA:

9:00 AM – 9:10 AM *Opening Remarks by Dr. Shaun Zhang*

9:10 AM – 10:35 AM *Session 1 (5 oral presentations) Moderated by Shivangi Srivastava*

10:35 AM – 10:50 AM *Coffee Break*

10:50 AM – 12:05 PM *Session 2 (5 oral presentations) Moderated by Esra Unsal*

12:05 PM – 1:10 PM *Lunch*

1:10 AM – 2:25 PM *Session 3 (5 oral presentations) Moderated by Divya Ravirala*

2:25 PM – 3:10 PM *Poster Presentations (8)*

3:15 PM – 4:20 PM *Keynote Speaker – Xi Chen, Ph.D., Baylor College of Medicine*
Presentation Title: “Targeting the Endoplasmic Reticulum Stress Response to Reverse Therapy Resistance” Chaired by Shaymaa Bahnassy

4:20 PM – 4:45 PM *Award Ceremony and Group Pictures*
Award Presenter - Xi Chen, Ph.D., Baylor College of Medicine

4:45 PM – 5:00 PM *Closing Remarks by Dr. Shaun Zhang*

5:00 PM – 5:45 PM *Reception*

ORAL PRESENTATIONS

	Title	Presenter	Research Group	Moderated by
Session 1	Begins at 9:10 AM			
	<i>T01: Serial knockout of diphthamide biosynthesis protein (DPH) genes reveals that DPH 6 and 7 are the only ones that can be inactivated without affecting cell viability</i>	<i>Shaun Zhang</i>	<i>Zhang</i>	<i>Shivangi Srivastava</i>
	<i>T02: A Constitutively Active Androgen Receptor Pool Supports the Metastatic Phenotype of Endocrine Resistant Breast Cancer</i>	<i>Shaymaa Bahnassy</i>	<i>Bawa-Khalfe</i>	<i>Shivangi Srivastava</i>
	<i>T03: Targeting PI3K isoform to improve effectiveness of T-cell mediated immunotherapy</i>	<i>Ritu Bohat</i>	<i>Peng</i>	<i>Shivangi Srivastava</i>
	<i>T04: Tumor Suppressive Effects of Estrogen receptor β in Prostate Cancer is mediated through Inhibition of Androgen Receptor Signaling</i>	<i>Surendra Chaurasiya</i>	<i>Gustafsson</i>	<i>Shivangi Srivastava</i>
	<i>T05: Identifying Novel Targets for Immune Resistance in Ovarian Cancer by Utilizing Genome-Wide CRISPR Screening</i>	<i>Nicholas A. Egan</i>	<i>Peng</i>	<i>Shivangi Srivastava</i>
Session 2	Begins at 10:50 AM			
	<i>T06: Acetylation of histone H3K27 signals the transcriptional elongation for estrogen receptor alpha</i>	<i>Qin Feng</i>	<i>Feng</i>	<i>Esra Unsal</i>
	<i>T07: A specific and sensitive probe for universal detection of circulating tumor cells</i>	<i>Xinping Fu</i>	<i>Zhang</i>	<i>Esra Unsal</i>
	<i>T08: The Functional Interaction Between PKM2 And HPV E7 Oncoprotein in Cervical Cancer</i>	<i>Seoung-Ae Lee</i>	<i>Chung</i>	<i>Esra Unsal</i>
	<i>T09: Spontaneous Development of Progesterone Receptor-Negative Cervical Cancer in Transgenic Mice Expressing HPV16 E6 and E7</i>	<i>Yuri Park</i>	<i>Chung</i>	<i>Esra Unsal</i>
	<i>T10: Arming a HSV2-based oncolytic virus (FusOn-H2) with a chimeric molecule to guide NK cells to kill tumor cells</i>	<i>Divya Ravirala</i>	<i>Zhang</i>	<i>Esra Unsal</i>
Session 3	Begins at 1:10 PM			
	<i>T11: Liver X Receptor ligand targets glutamine metabolism in pancreatic cancer</i>	<i>Shivangi Srivastava</i>	<i>Lin</i>	<i>Divya Ravirala</i>
	<i>T12: Epithelial Estrogen Receptor α (ERα) is Required for the Development of Squamocolumnar Junction (SCJ) in the Murine Cervix</i>	<i>Esra Unsal</i>	<i>Chung</i>	<i>Divya Ravirala</i>
	<i>T13: Activating ERβ decreases Aβ plaques by inhibiting β-secretase and promoting microglial phagocytosis in the brain of APP transgenic mice</i>	<i>Wan-fu Wu</i>	<i>Gustafsson/Warner</i>	<i>Divya Ravirala</i>
	<i>T14: SUMO-Modified HP1α Regulates ncRNA-TERRA Degradation to Dictate Telomere Length and Cell Cycle Progression</i>	<i>Maram Quttina</i>	<i>Bawa-Khalfe</i>	<i>Divya Ravirala</i>
	<i>T15: Catalytic Inactive SUMO Protease SENP7 Promotes Hyperplasia of Mice of Mammary Gland through Disruption of Desmosome integrity</i>	<i>Samaneh Karami</i>	<i>Bawa-Khalfe</i>	<i>Divya Ravirala</i>

POSTER PRESENTATIONS

Title	Presenter	Research Group
Begins at 2:25 PM		
<i>P01: Roles of Progesterone Receptor (PR) isoforms A and B and Stromal PR in Antitumorigenic Effect of Progesterone in the Uterine Cervix</i>	<i>Siddarth Arza</i>	<i>Chung</i>
<i>P02: 27-Hydroxycholesterol promotes adiposity and mimics adipogenic diet-induced inflammatory signaling</i>	<i>Arvand Asghari</i>	<i>Umetani</i>
<i>P03: Alcohol Promotes Breast Cancer through Metabolic Reprogramming</i>	<i>Charles Ho</i>	<i>Lin</i>
<i>P04: The role of TDRD1 in prostate cancer development</i>	<i>Hong Kim</i>	<i>Feng</i>
<i>P05: Demystifying the Virus-Host Interactome of FusOn-H2</i>	<i>Richard Saoud</i>	<i>Zhang</i>
<i>P06: Mechanistic Investigations of LXRβ Novel Inverse Agonists in Pancreatic Ductal Adenocarcinoma</i>	<i>Scott Widmann</i>	<i>Lin</i>
<i>P07: Development novel immune-based therapies in cancer patients with preexisting autoimmune disorders</i>	<i>Chunyu Xu</i>	<i>Peng</i>
<i>P08: A Potential Role of EGFR in Cervical Cancer</i>	<i>Faezeh Zamanian</i>	<i>Chung</i>
<i>P09: Utilizing Neoantigens to Reinforce the Immune Response in Cancer</i>	<i>Megan Mai, Drew Boagni</i>	<i>Zhang</i>