



3rd Florida Translational Cell Biology Symposium

Friday, September 13th, 2019

University of Florida

Health Professions, Nursing, and Pharmacy Complex

1225 Center Drive, Gainesville, FL

Time and Location	Session/Event and Description
8:30 am – 9:00 am HPNP Reception Hall	Check-in and Poster/Talk Setup
9:00 am – 9:15 am HPNP Auditorium	Opening Remarks from the Organizing Committee
9:15 am – 10:45 am HPNP Auditorium	<p>Lecture Session #1 <i>Session Chairs: Jami Conley Calderon (UCF) and Marisa Tillery (FSU)</i></p>
9:15 am – 9:25 am	<u>Tagging RNAs and their binding partners in synapses using an ascorbate peroxidase (APEX)</u> <i>Ryan Hildebrandt, Graduate Student, Department of Molecular Genetics and Microbiology, UF</i>
9:25 am – 9:35 am	<u>E3 ubiquitin ligase HECTD3 protects against colon cancer by regulating essential oncogenic pathways</u> <i>Upasana Parthasarathy, Graduate Student, Department of Anatomy and Cell Biology, UF</i>
9:35 am – 9:45 am	<u>IMPDH filaments: novel subcellular structures with emerging roles in cell biology</u> <i>S. John Calise, Graduate Student, Department of Oral Biology, UF</i>
9:45 am – 9:55 am	<u>The role of histone H3.3 repair in cancer</u> <i>Ernest Phillips, Graduate Student, Department of Biomedical Sciences, FSU</i>
9:55 am – 10:05 am	<u>Profilin-1 controls actin network assembly, organization, and homeostasis</u> <i>Kristen Skruber, Graduate Student, Department of Anatomy and Cell Biology, UF</i>
10:05 am – 10:15 am	<u>Clustered Kv2.1 decreases dopamine transporter activity and internalization</u> <i>Joe Lebowitz, Graduate Student, Department of Neuroscience, UF</i>
10:15 am – 10:25 am	<u>Exosome as a potential cell-free vaccine: exosomes encapsulate <i>Salmonella</i> antigen and stimulate recall response against <i>S. typhimurium</i></u> <i>Winnie W. Hui, Graduate Student, Department of Microbiology and Cell Science, UF</i>
10:25 am – 10:35 am	<u>Centrocin regulates actin-dependent processes in the early <i>Drosophila</i> embryo</u> <i>Caitlyn Blake-Hedges, Graduate Student, Department of Biomedical Sciences, FSU</i>
10:35 am – 10:45 am	<u>Repair of nuclear rupture requires recruitment of LEM-domain membrane proteins by barrier-to-autointegration factor</u> <i>Aditya Katiyar, Graduate Student, Department of Chemical Engineering, UF</i>
10:45 am – 11:00 am HPNP Reception Hall	Coffee Break
11:00 am – 12:15 pm HPNP Ground Floor Hall	<p>Poster Session</p> <p><u>Faculty judges for the student/postdoc poster competition:</u></p> <p><i>Jonathan Bird, PhD; Paramita Chakrabarty, PhD; Astra Dinculescu, PhD; Rhoel Dinglasan, PhD; Frank C. Gibson III, PhD; Lingtao Jin, PhD; Daniel Kopinke, PhD; Brian K. Law, PhD; Tim Megraw, PhD; Satya Narayan, PhD; Bernadett Papp, PhD; Ann Progulske-Fox, PhD; Zsolt Toth, PhD; Eric Vitriol, PhD</i></p>

<p>12:15 pm – 1:45 pm HPNP Reception Hall</p>	<p>Lunch (concurrent with Career Development Panel)</p>
<p>12:30 pm – 1:30 pm HPNP G-301</p>	<p>Career Development Panel Topic: Career Opportunities in Biotechnology</p> <p><i>Zahara Jaffer, PhD, Program Director for Business Development, UF Innovate</i> <i>Glenn Ladwig, JD, MS, Registered Patent Attorney, Partner of Saliwanchik, Lloyd & Eisenschenk</i> <i>Tamara Mandell, MEd, Director for Education and Training, Biotility</i></p>
<p>1:45 pm – 2:45 pm HPNP Auditorium</p>	<p><u>KEYNOTE LECTURE</u> “Trucks, tolls, and traffic jams: mechanisms of the cellular interstate system”</p> <p><i>Samara Reck-Peterson, PhD</i> <i>Professor, Department of Cellular and Molecular Medicine</i> <i>Cell and Developmental Biology Section</i> <i>Division of Biological Sciences</i> <i>University of California, San Diego</i> <i>Investigator, Howard Hughes Medical Institute</i></p>
<p>2:45 pm – 3:00 pm</p>	<p>Coffee Break</p>
<p>3:00 pm – 4:10 pm HPNP Auditorium</p> <p>3:00 pm – 3:10 pm</p> <p>3:10 pm – 3:20 pm</p> <p>3:20 pm – 3:30 pm</p> <p>3:30 pm – 3:40 pm</p> <p>3:40 pm – 3:50 pm</p> <p>3:50 pm – 4:00 pm</p> <p>4:00 pm – 4:10 pm</p>	<p>Lecture Session #2 <i>Session Chairs: Caitlyn Blake-Hedges (FSU) and Kristen Skrubber (UF)</i></p> <p><u>Chemotaxis of spatially patterned T cell populations near 3D printed tumors</u> <i>Cameron D. Morley, Graduate Student, Department of Mechanical and Aerospace Engineering, UF</i></p> <p><u>Pglyrp3 cooperates with Snail1 to control breast cancer metastasis</u> <i>Mathew Sebastian, Graduate Student, Lillian S. Wells Department of Neurosurgery, UF</i></p> <p><u>A perinuclear microtubule-organizing center controls plasma membrane growth and basement membrane secretion</u> <i>Yiming Zheng, Graduate Student, Department of Biomedical Sciences, FSU</i></p> <p><u>Determining the aggregation dynamics of proteins associated with neurodegenerative diseases</u> <i>Cara L. Croft, PhD, Postdoctoral Fellow, Department of Neuroscience, UF</i></p> <p><u>Hectd3 promotes pathogenic Th17 lineage through Stat3 activation and Malt1 signaling in neuroinflammation</u> <i>Jonathan J. Cho, PhD, Medical Student (MD/PhD), Department of Anatomy and Cell Biology, UF</i></p> <p><u>Expanded coverage of the 26S proteasome conformational landscape reveals mechanisms of peptidase gating</u> <i>Randi G. Reed, Graduate Student, Department of Biomedical Sciences, FSU</i></p> <p><u>Cytoskeletally directed RNA transport in striated muscle</u> <i>Lance T. Denes, Graduate Student, Department of Molecular Genetics and Microbiology, UF</i></p>
<p>4:15 pm – 4:30 pm HPNP Auditorium</p>	<p>Awards and Closing Remarks</p>