

# ILSGP Annual Retreat 2022

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Hosts: Elif Sarinay Cenik & David Taylor

San Jacinto Residence Hall Conference Center

**8:30-9am** Breakfast

**San Jacinto Residence Hall Multipurpose Room**

**9am-9:15** Welcome

**9:15-9:30** Brent Iverson, Chemistry  
"Engineering Therapeutic Enzymes in Yeast"

**9:30-9:45** Despoina Mavridou, Molecular Biosciences  
"Understanding the wiring of the cell envelope"

**9:45-10am** Jennifer Maynard, Biomedical Engineering  
"Engineering antibodies to outsmart pathogens."

**10am-10:15** Andres Jara-Oseguera, Molecular Biosciences  
"High-throughput approaches to study ion channel mechanisms."

**10:15-10:30** Break

**10:30-10:45** Keiko Torii, Molecular Biosciences  
"Shaping Patterns in Plant Development"

**10:45-11am** Can Cenik, Molecular Biosciences  
"Single cell quantification of ribosome occupancy in early mouse development"

**11am-11:15** Robert Newbery, Chemistry  
"Genetic Approaches for Structural Biology of Misfolded Proteins"

**11:15-11:30** Elif Sarinay-Cenik, Molecular Biosciences  
"Understanding organism-wide coordination of growth by using spatiotemporal control of ribosome synthesis"

**11:30-12:15** Lunch

**12:15-2pm** Poster Session in San Jacinto meeting rooms (located across the hall from the multipurpose room)

<b>2pm-2:15</b>	Andy Ellington, Molecular Biosciences "Combining Machine Learning and Directed Evolution to Engineer Proteins"
<b>2:15-2:30</b>	Lauren Erlich, Molecular Biosciences "T cells are Terrific!"
<b>2:30-2:45</b>	Benjamin Umlauf, Dell Medical School "Developing Adaptable, Extracellular Drug Reservoirs to Treat Brain Tumors"
<b>2:45-3pm</b>	Jeff Barrick, Molecular Biosciences "Engineering and evolving insect symbionts"
<b>3pm-3:15</b>	Break
<b>3:15-3:30</b>	Tanya Paull, Molecular Biosciences "DNA damage, neurodegeneration, and relationships with proteostasis"
<b>3:30-3:45</b>	Huiliang Wang, Biomedical Engineering "Ultrasound-Triggered Light Source for Non-Invasive Optogenetics"
<b>3:45-4pm</b>	Jon Huibregtse, Molecular Biosciences "The ISG15 ubiquitin-like protein in anti-viral and anti-microbial responses"
<b>4pm-4:15</b>	Jeff Gross, Molecular Biosciences "Using zebrafish to model diseases of the eye and develop strategies to prevent or cure them "
<b>4:15-4:45</b>	Wrap up & vote on talk
<b>4:45</b>	Head across the street to the UT Alumni Center
<b>5pm-6:45</b>	Dinner in UT Alumni Center Main Lounge & Concourse
<b>6:45-8pm</b>	Social Reception w/Slide Karaoke