

University of North Carolina at Chapel Hill
Department of Pharmacology Research Retreat
September 16th, 2022 – William and Ida Friday Center

- 8:30–9:00 am Continental Breakfast (Atrium)
9:00–9:10 am State of the Department Address (Dogwood) – **Henrik Dohlman, PhD, Distinguished Professor and Chair**
9:10–9:25 am Student Survey – **Michael Emanuele, PhD, Associate Professor**
9:25–9:40 am Pharmacology Diversity, Equity, & Inclusion Update – **Maria Aleman, PhD, Assistant Professor**

Morning Session – all talks include 5 minutes of Q&A

Moderators: Ryan Sheehy, Graduate Student in the Song Lab & Juan Song, PhD, Associate Professor

- 9:40–9:55 am **Meghan Flanigan, Postdoctoral Fellow, Kash Lab**, *“Sex-specific regulation of binge drinking, social, and arousal behaviors by subcortical serotonin 5HT2c receptor-containing neurons.”*
9:55–10:15 am **Adam Palmer, PhD, Assistant Professor**, *“Accurate prediction of the clinical efficacy of combinations of cancer therapies.”*
10:15–10:25 am **Break**
10:25–10:40 am **Jeff DiBerto, Graduate Student, Roth Lab**, *“Further Considerations of G Protein Bias in Developing Safer Mu-Opioid Receptor Agonists.”*
10:40–11:00 am **Elizabeth Brunk, PhD, Assistant Professor**, *“Understanding biological ripple effects through multi-faceted omics data.”*
11:00–11:15 am **Tanya Bodrug, Graduate Student, Brown Lab**, *“Neural Network based reconstruction of ubiquitination by the Anaphase-Promoting Complex using time-resolved cryo-EM.”*
11:15 am–12:15 pm **Poster Session 1** (presenters 1-25, Atrium)
12:15–1:15 pm **Lunch** (Trillium Room)

Afternoon Session – all talks include 5 minutes of Q&A

- 1:15–2:15 pm **Poster Session 2** (presenters 26-50, Atrium)
2:15–2:35 pm **John Morris, PhD, Assistant Professor**, *“The Morris Lab versus p53, the master of the nucleus.”*
2:35–2:50 pm **Amy Pomeroy, PhD, Postdoctoral Fellow, Palmer Lab**, *“A simulation of curative combination therapy explains and predicts clinical trial results in Diffuse Large B-Cell Lymphoma.”*
2:50–3:10 pm **Jessica Walsh, PhD, Assistant Professor**, *“Neural circuit mechanisms underlying social behavior.”*
3:10–3:25 pm **Yadong Li, Postdoctoral Fellow, Song Lab**, *“Hypothalamic modulation of adult hippocampal neurogenesis in mice confers activity-dependent regulation of memory and anxiety-like behavior.”*
3:25–3:35 pm **Break**
3:35–3:55 pm **Maria Aleman, PhD, Assistant Professor**, *“PCBPs: Regulators of RNA & Iron.”*
3:55–4:10 pm **Emily Fennell, Graduate Student, Graves Lab**, *“Characterization of TR-107, a Novel Chemical Activator of the Human Mitochondrial Protease ClpP.”*
4:10–4:25 pm **Tim Daugird, Graduate Student, Legant Lab**, *“Bridging nano- and mesoscale nuclear organization with single molecule microscopy.”*
4:25–4:40 pm **Marguerite (Bree) Little, Graduate Student, Duncan Lab**, *“Determination of Cross-Reactive Antigens in 4CMenB Against Neisseria gonorrhoeae.”*
4:40–4:55 pm **Gavin Schmitz, Graduate Student, Herman/Roth Labs**, *“Effects of Psilocin on 5-HT2A+ L5P neurons.”*

Reception & Award Ceremony

- 5:00–6:00 pm Social Mixer and Award Presentations (Magnolia Lounge)