Bay Area Exoplanet Hybrid Meeting #43

July 21, 2023 at Thimann 1 Lecture Hall
Times are Pacific

AGENDA

8:30 AM Begin arrivals, welcome, coffee, chat

SESSION 1 - Chair: Tom Greene

09:00 AM Luis Welbanks (Arizona State University): *Dude, where is my methane? A search for chemical species with JWST by the MANATEE GTO*

09:30 AM Paul Mollière (Max Planck Institute for Astronomy): *Detection of a new isotopologue in a cold Y-dwarf with JWST*

9:50 AM Samuel Beiler (University of Toledo): *The First JWST Spectral Energy Distribution of a Y dwarf*

10:10 AM **Break and chat discussions (30 min)**

SESSION 2 - Chair: Sarah Moran

10:40 AM Johanna Teske/COMPASS team (Carnegie/Ames/Bristol/UCSC): *Compositions of Mini-Planets for Atmospheric Statistical Study (COMPASS): Program Overview & First Lessons Learned*

11:10 AM Nick Choksi (UC Berkeley): *Sub-Neptune Formation: The View from Resonant Planets*

11:30 AM Rafael Luque (University of Chicago): *Splendidly Synchronized: Six Sub-Neptunes Transiting a Shiny Star*

11:50 AM Andrew Mayo (UC Berkeley): *Studying Small Planets in Multiplanet Systems*

12:10 PM **Lunch (1.5 hours)**

SESSION 3 - Chair: Paul Mollière

1:40 PM Sabina Sagynbayeva (Stony Brook University): *How do planets help us understand stars?*

2:00 PM J. J. Zanazzi (UC Berkeley): *Sweeping Secular Resonances and Giant Planet Inclinations in Transition Discs*

2:20 PM Anne Dattilo (UCSC): *Mapping Kepler Occurrence to the Physics of Planet Evolution*

2:40 PM Alan Chew (San Francisco State University): *Commissioning a medium resolution échelle spectrograph on a legacy 0.7 meter telescope to train the next generation of exoplanet researchers*

3:00 PM **Break and chat discussions (30 min)**

SESSION 4 - Chair: Munazza Alam

3:30 PM Sarah Moran & Guangwei Fu (University of Arizona & Johns Hopkins University): *Tracing the Cosmic Shoreline with JWST GO-1981*

4:00 PM Matthew Reinhold (Stanford University): *Habitability of Terrestrial Planets with Extreme Internal Heating*

4:20 PM ZJ Zhang (University of California, Santa Cruz): Elemental Abundance of Directly Imaged Exoplanets and Their Host Stars: Fossil Record of Planet Formation Pathways

4:40 PM **End**