

# **FALCON Science Workshop 2025**

**Thursday, March 13, 2025 - Friday, March 14, 2025**

**William Eckhardt Research Center (ERC)**

## **Workshop program**

**DRAFT**

## March 13

08:00 - 09:00 am Breakfast  
09:00 - 09:30 am Science and instrument opportunities (Chen and Shectman)  
09:30 - 10:00 am FALCON optical design (Piotrowski)  
10:00 - 10:30 am Instrument status (Crane)  
10:30 - 11:00 am morning coffee break  
11:00 - 11:30 am re-ionization studies; quasar and galaxy spectroscopy (Fan, Wang, Yang)  
11:30 - 12:00 pm galaxy surveys; multiplexing (Kelson, Matthews, Newman)  
12:00 - 12:30 pm element production and chemical enrichment; stellar spectroscopy (Chiti, Ji, Luna)  
12:30 - 02:00 pm lunch  
02:00 - 02:30 pm massive stars and diffuse gas; UV spectroscopy (Senchyna, Kumar)  
02:30 - 03:00 pm transients; time domain studies (Sand, Simha)  
03:00 - 03:30 pm Milky Way stellar streams and dwarf satellites (Drlica-Wagner, Limberg, Polzin)  
03:30 - 04:00 pm afternoon coffee break  
04:00 - 05:30 pm discussion/breakouts  
05:30 pm reception

## March 14

08:00 - 09:00 am Breakfast  
09:00 - 09:40 am ISM + CGM studies; IFU spectroscopy (Baron, M. Chen, Di Mille)  
09:40 - 10:00 am Strong lensing clusters; multi-plexing, IFU spectroscopy (Barrientos, Gladders)  
10:00 - 10:30 am Image sampling (Schechter, Shectman)  
10:30 - 11:00 am morning coffee break  
11:00 - 11:30 am detectors, electronics (Roach, Piotrowski)  
11:30 - 12:00 pm Geochemistry, geology of exoplanets (Vanderburg, remote)  
12:00 - 12:30 pm open discussion  
12:30 - 02:00 pm lunch  
02:00 - 03:30 pm small group breakouts for making one summary slide per topic  
03:30 - 04:00 pm afternoon coffee break  
04:00 - 05:30 pm summary from breakout sessions and discussion