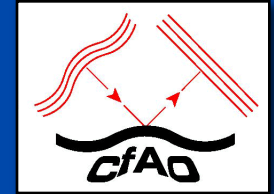


# Project Groups

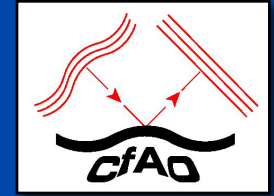
---



- Exoplanets
  - Margot Paez UCSC
  - Andrey Vayner U Toronto
- Strong lensing systems - cosmology
  - Jen-Wei Hsueh UC Davis
  - Skyler Scott UCSC
  - Chih-Fan Chen UC Davis
- Strong lensing systems - Star formation regions
  - Greg Walth

## *Project Groups, continued*

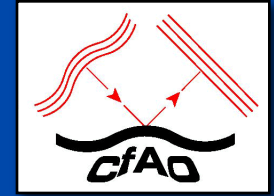
---



- Wide field surveys
  - Margot Paez UCSC (galactic halo survey)
  - Zheng Cai UCSC (for what science?)
  - Brandon Day UCSC (quasar group survey)
- Dynamical measurements of black hole masses
  - Stephanie Ho UCSB (circumnuclear disks)
  - Asher Wasserman UCSC (BH masses in dwarf galaxies?)
  - Maybe Piatra Pontrelli UCSC (Blazar variability?)
- Open to suggestions:
  - Katherine Plant UCSC
  - Tuwin Lam UCSC

# *Designing your own AO system*

---



- Science case - investigable science question
- Goal driven design
- Error budget
- Choice of DMs, WFS, Controllers, Science Cameras
- Image quality or contrast required
- Constraints
- Risks