GRADUATE PROGRAM IN ASTRONOMY AT

Yale

Why Yale Astronomy for your Ph.D.?

Plenty of resources for research and a supportive intellectual community

Yale Astronomy

ACCESS TO WORLD-CLASS OBSERVING FACILITIES

We have excellent resources for observing, including on-campus observing facilities and telescope-time reserved specifically for our department members.

- Keck: 24 nights per year
- Palomar; 1/8 share
- SDSS V: full partnership

Yale Astronomy

EASY-ACCESS HIGH PERFORMANCE COMPUTING FACILITIES

The Yale Center for Research Computing (YCRC) provides HPC resources freely available for all students to use.

Yale Astronomy

GUARANTEED FUNDING

Teaching beyond the University requirements is optional to earn some extra cash, but your main funding as a researcher is secure for 5-6 years.

SUPPORTIVE COMMUNITY

A fun and supportive graduate student community. Class of ~4-5 students admitted each year, and a total of ~25-30 students in the entire program.

Yale Astronomy

A WIDE RANGE OF RESEARCH INTERESTS ACROSS FACULTY MEMBERS

For listing of faculty by research interest see: https://astronomy.yale.edu/research

EXOPLANETS

GALAXY EVOLUTION

COSMOLOGY

STAR FORMATION

SOLAR AND STELLAR ASTROPHYSICS

...AND MORE

Students complete 2 short research projects in their first two years *before* beginning PhD research. This allows for a fuller exploration of research opportunities.

STRUCTURE OF THE GRADUATE PROGRAM

FIRST 2 YEARS

- 10 courses + 2 research projects (1 observational / experimental, 1 theory)
- 4 Semesters as Teaching Assistant (required)
- 1 Professional Development Seminar (taught every semester during PhD)

END OF 2ND YEAR

Ph.D. Qualifying Exam

1. Written exam on general knowledge of astronomy aligned with coursework detailed to the left
2. Oral exam on proposed PhD project

YEARS 3+

- PhD research
- 1 semester as Teaching Assistant (required)
- Yearly progress committee meetings, dissertation progress reports

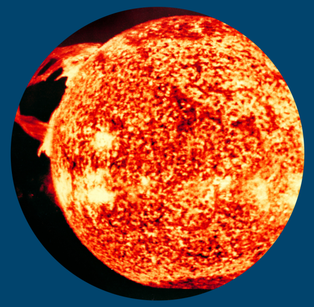
Yale Astronomy

CURRENT WEEKLY ASTRONOMY EVENTS

Weekly activities are open to all department members

Astronomy Colloquium

Galaxy Lunch



Stellar Astrophysics Journal Club

Exoplanets and Stars Seminar

Data Science x Astro Seminar (bi-weekly)

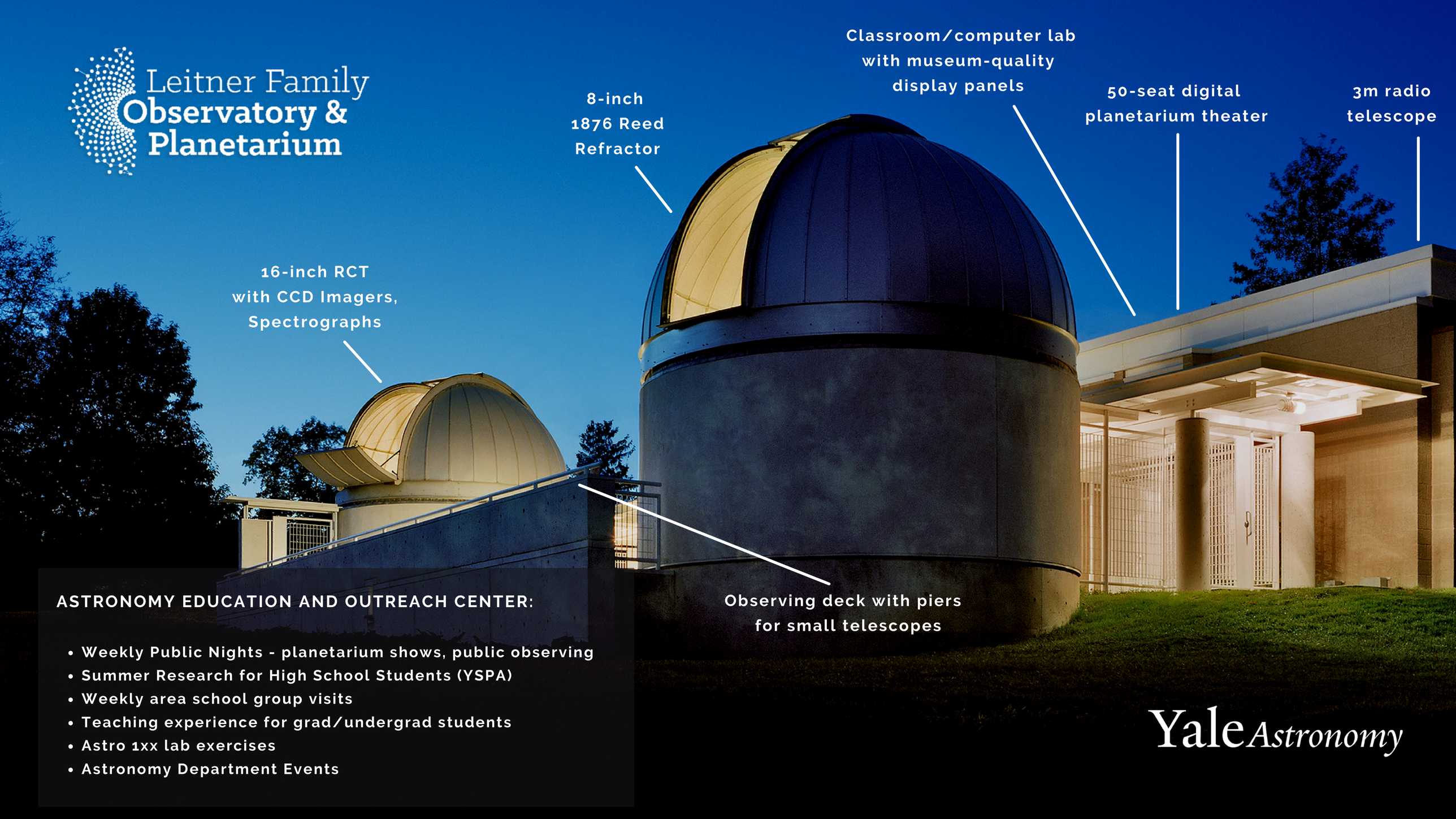
IDEAS (Inclusivity, Diversity, & Equity in Astro) Journal Club

Yale Astronomy

PLEASE COME JOIN US!

- Are you curious to learn and figure things out?
- Do you have desire for mastery and for learning new ways of problem-solving?
- Do you have core competence in foundational material – physics and mathematics?
- Have you had exposure to research methods and experience with research project, if opportunities were available?
- Do you have the capacity to deal with the ups and downs that are part of long-term intellectual learning?
- Do you have enthusiasm for research?
- Are you excited to belong to a scientific community working on cutting-edge problems?

Yale *Astronomy*



ASTRONOMY EDUCATION AND OUTREACH CENTER:

- Weekly Public Nights - planetarium shows, public observing
- Summer Research for High School Students (YSPA)
- Weekly area school group visits
- Teaching experience for grad/undergrad students
- Astro 1xx lab exercises
- Astronomy Department Events

FOR MORE INFORMATION....

VISIT OUR WEBSITE AT:
ASTRONOMY.YALE.EDU

https://www.facebook.com/YaleAstro

https://www.instagram.com/yaleastronomy/