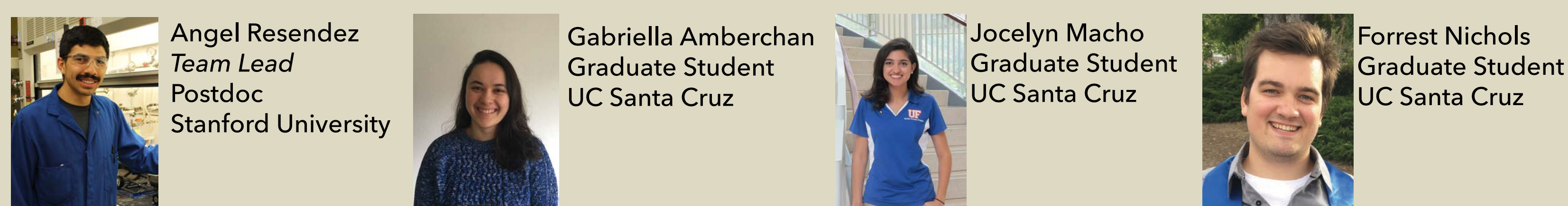


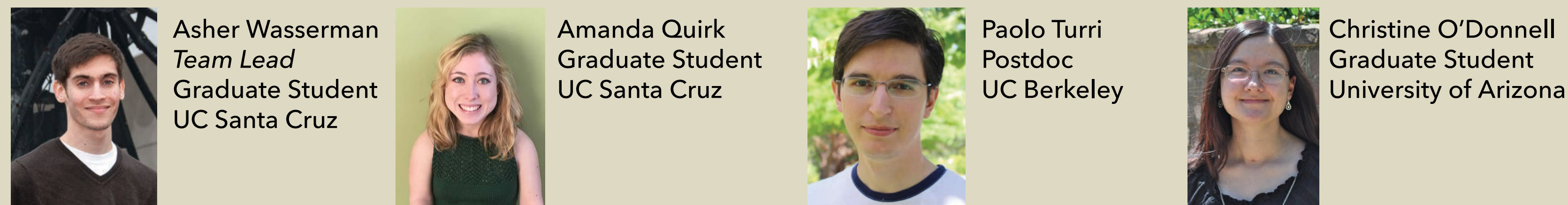
# 2018 Professional Development Program

23 teams designing and deploying inquiry learning activities to undergraduate students in STEM

## Chemistry WEST – Chemistry & Biochemistry – UCSC



## Astrostatistics WEST – Astronomy, Astrophysics– UCSC



## Ecology WEST– Ecology & Evolutionary Biology, Environmental Science – UCSC



## Computer Science WEST – Computer Science, Computer Engineering – UCSC



## Isotope WEST – Geochemistry, Ocean Science – UCSC



## AstroComNYC Workshop– Astrophysics, Astrostatistics – New York City



## Pre-Optometry Professional Society Workshop – Vision Science, Optics – University of Houston



## UT Austin Research Methods Course – Astronomy – University of Texas at Austin



## TAURUS PREP – Astronomy - University of Texas at Austin



## Computational Mathematics, Science and Engineering – Computational Methods – Michigan State University



## Akamai PREP course – Physics & Optics – University of Hawaii at Hilo



## Akamai PREP course – Computer Science – University of Hawaii at Hilo



## UH Maui College Astronomy Lab – Astronomy - Maui



## MARC Summer Research Institute PREP – Biomedical Science – UCSC



## Bio 20L Pilot Lab – MCD Biology, Biochemistry, Ecology & Evolutionary Bio – UCSC



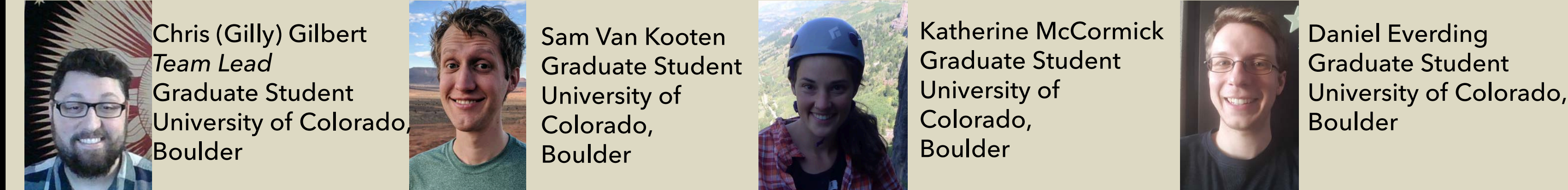
## Sustainable Materials REU PREP – Physics, Materials Science, Engineering – UCSC



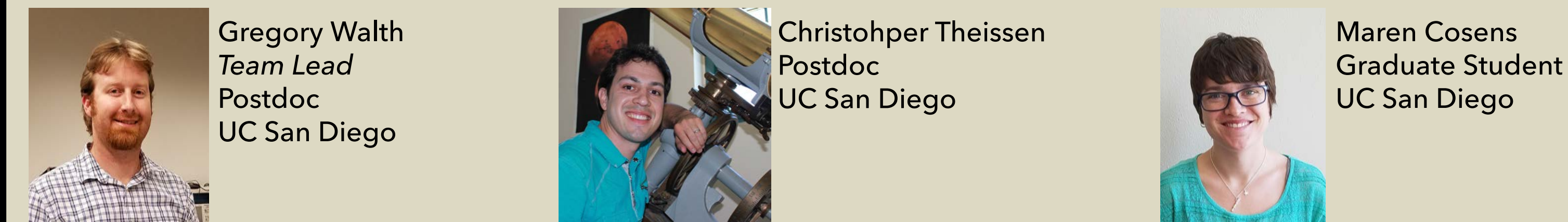
## Center for Adaptive Optics Summer School – Vision Science – UCSC



## Miramontes Arts & Sciences Program (MASP) Program for Excellence in Academics & Community (PEAC) – Astronomy – CU Boulder



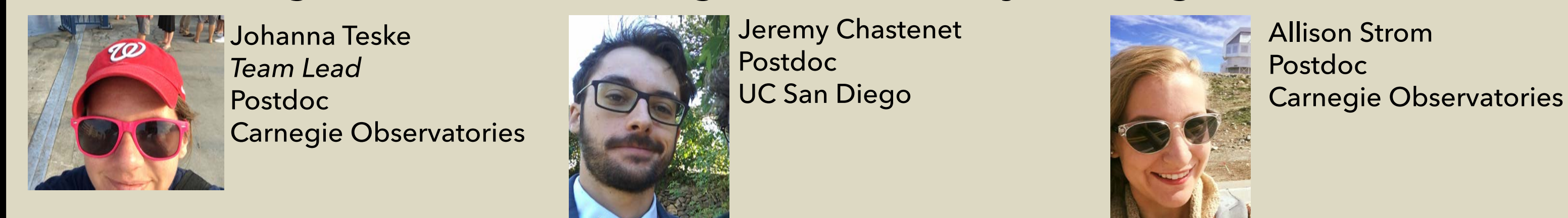
## Center for Astrophysics & Space Sciences REU PREP – Astronomy – UCSD



## Summer research PREP - Astronomy & Physics – UCLA



## Summer Undergraduate Research Program – Astronomy – Carnegie Observatories



## Summer Undergraduate Research Program – Astronomy – Carnegie Observatories



## Astronomy Lab for non-Astro Majors – Astronomy – University of South Carolina



The Professional Development Program (PDP) is offered by the Institute for Scientist & Engineer Educators (ISEE) at UCSC.

The PDP has been preparing STEM graduate students and postdocs to be leaders in effective and inclusive education since 2001. PDP participants learn pedagogical strategies supported by education research, with an emphasis on teaching fundamental disciplinary content and cognitive STEM practices via inquiry. All participants employ their training by working on a small team to design and teach an inquiry activity for undergraduate students.

The PDP is supported by a range of funding sources managed by ISEE.

Summary of 2018 funding:

- UCSC Campus funding: Division of Social Science, Division of Physical & Biological Science, Division of Graduate Studies, Baskin School of Engineering.
- Howard Hughes Medical Institute grant
- NSF Astronomy grants
- Air Force Office of Scientific Research grant
- Graduate Assistance in Areas of National Need (GAANN) grant
- Carnegie Observatories

Learn more about ISEE: [isee.ucsc.edu](http://isee.ucsc.edu)

