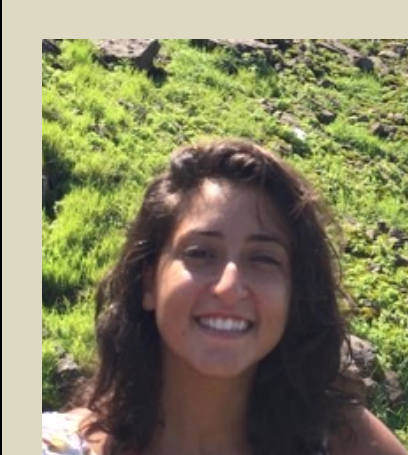


# 2017 Professional Development Program

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

### Research Saturday - Earth & Planetary Sciences - UCSC



Esra Mescioglu  
Team Lead  
PhD Student  
UC Santa Cruz

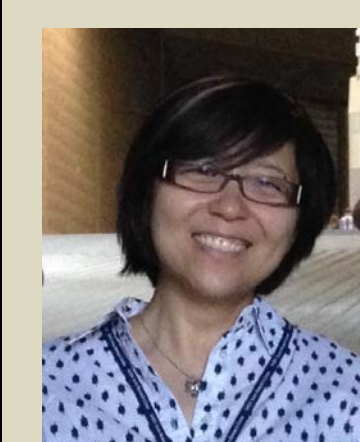


Eva Lyon  
PhD Candidate  
University of Kentucky



Pamela Rittelmeyer  
PhD Candidate  
UC Santa Cruz

### WEST Computer Science - Computer Science & Engineering - UCSC



Grace Lin  
Team Lead  
PhD  
Computer Science  
UC Santa Cruz



Ivo Jimenez  
PhD Candidate  
UC Santa Cruz



Suzanne da Camara  
PhD Candidate  
UC Santa Cruz

### MARC/IMSD Summer Research Institute Prep - Chemistry & Biochemistry - UCSC



Caitlin Clausen  
Team Lead  
PhD Student  
UC Santa Cruz



Ana Gallego-Hernandez  
Postdoctoral  
Researcher  
UC Santa Cruz



Gabriel Mednick  
Postdoc Faculty  
UC Santa Cruz



Ian Colinas  
PhD Student  
UC Santa Cruz

### WEST Biology - Ecology & Evolutionary Biology - UCSC



Susanna Honig  
Team Lead  
Postdoctoral  
Fellow  
UC Santa Cruz



Kelley Voss  
PhD Student  
UC Santa Cruz



Regina Spragner  
PhD Student  
UC Santa Cruz



Sabrina Shirazi  
PhD Student  
UC Santa Cruz

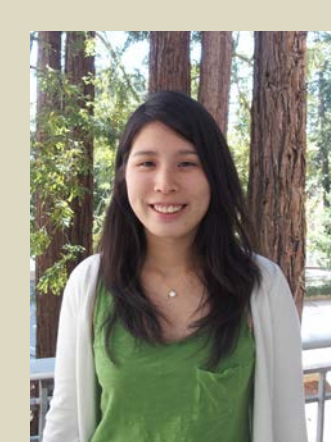
### WEST Physics/Astrophysics – Astronomy & Physics - UCSC



Caitlin Johnson  
Team Lead  
PhD Student  
UC Santa Cruz



Asher Wasserman  
PhD Student  
UC Santa Cruz



Kat Feng  
PhD Student  
UC Santa Cruz

### WEST Chemistry – Chemistry & Biochemistry - UCSC



Matt Naylor  
Team Lead  
Postdoctoral Fellow  
UC Santa Cruz



Ana Kareh  
PhD Candidate  
UC Santa Cruz



Eaindar Soe  
PhD Student  
UC Santa Cruz



Kevin Schilling  
PhD Student  
UC Santa Cruz

### Research Saturday - Computer & Electrical Engineering - UCSC

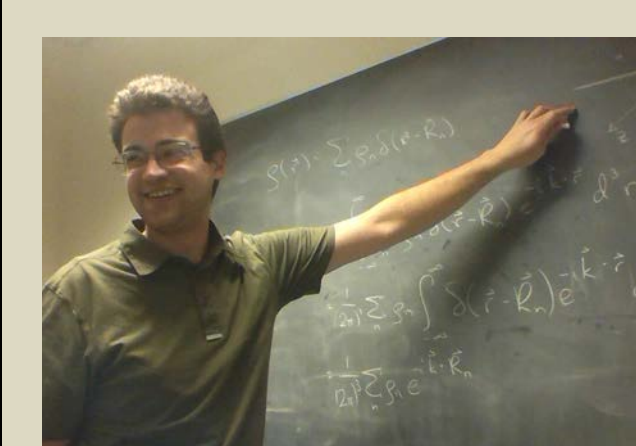


Brad T  
Team Lead  
PhD Student  
UC Santa Cruz



Abdulazaz Albalawi  
PhD Student  
UC Santa Cruz

### Research Saturday – Physics - UCSC



Stephen Martin  
Team Lead  
PhD Student  
UC Santa Cruz



Colin West  
Postdoctoral Fellow  
UC Santa Cruz



Sarah Mechbal  
PhD Student  
UC Santa Cruz

### Research Saturday – Biology - UCSC



Rafael Palomino  
Team Lead  
ISEE Program  
Manager  
UC Santa Cruz



Marcela Cely-Santos  
PhD Candidate  
UC Santa Cruz



May Roberts  
PhD Student  
UC Santa Cruz

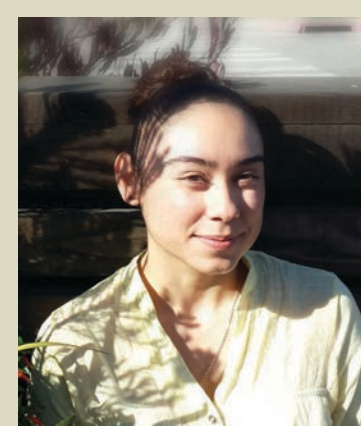


Melissa Cronin  
PhD Student  
UC Santa Cruz

### Akamai PREP - Renewable Energy – UH Maui College



Kimberley Bitterwolf  
Team Lead  
PhD Student  
UC Santa Cruz

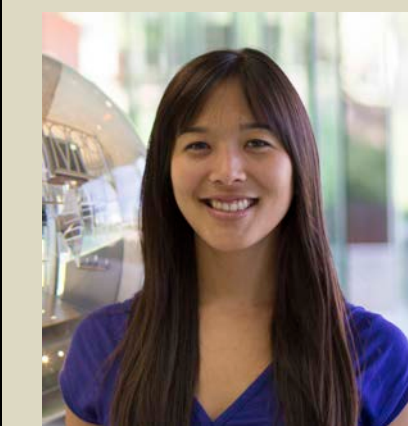


Cynthia Carrion  
PhD Student  
UC Santa Cruz



Britt Henke  
PhD Student  
UC Santa Cruz

### Akamai PREP – Optics – UH Maui College



Stacey Sueoka  
Team Lead  
Optical Systems Engineer,  
National Solar  
Observatory/DKIST



Chris Gilbert  
PhD Student  
University of Colorado

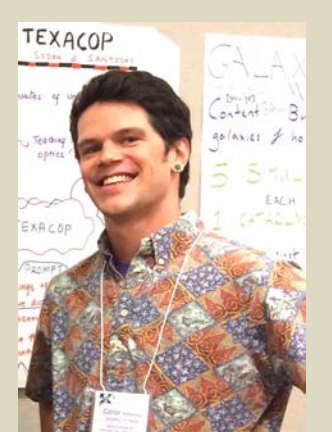


Gwen Musial  
PhD Student  
University of Houston

### REU PREP – Astronomy & Physics – UH Institute for Astronomy



Heather Flewelling  
Team Lead  
Astronomical Survey  
Researcher  
University of Hawaii



Conor McPartland  
PhD Student  
University of Hawaii,  
Manoa



Eva Lilly  
Postdoctoral Fellow  
University of Hawaii

### Thirty Meter Telescope Int'l Training Workshop– Astronomy & Engineering - UCSC



Megan Ansdell  
Team Lead  
PhD Student  
University of Hawaii



Donal O'Sullivan  
PhD Candidate  
Caltech



Lu Shen  
PhD Student  
UC Davis

### Center for Computational Astrophysics PREP – Astronomy & Physics – Columbia University



Steven Mohammed  
Team Lead  
PhD Candidate  
Columbia University



Adrian Lucy  
Graduate Research Fellow  
Columbia University



Zephyr Penoyre  
PhD Student  
Columbia University

### PREP - Astronomy & Physics - UCSD



Andrey Vayner  
Team Lead  
PhD Student  
UC San Diego



Gregory Walth  
Postdoctoral Scholar  
UC San Diego



Xinnan Du  
PhD Student  
UC Los Angeles

### PREP - Astronomy, Physics & Mathematics - UCLA



Michelle Consiglio  
Team Lead  
PhD Student  
UC Los Angeles



Kevin Stahl  
PhD Student  
UC Los Angeles

### PREP - Astronomy – Carnegie Observatories



Johanna Teske  
Team Lead  
Postdoctoral Fellow  
Carnegie  
Observatories



Marja Seidel  
Postdoctoral Researcher  
Carnegie  
Observatories

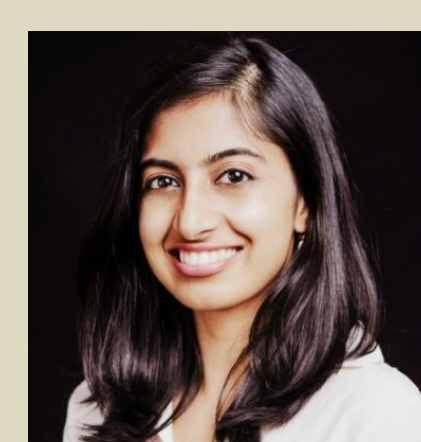


Nicholas Timmons  
PhD Student  
UC Irvine

### Optics Interference Lab – Optometry & Bioengineering - University of Houston



Ayeswarya Ravikumar  
Team Lead  
Postdoctoral Fellow  
University of Houston

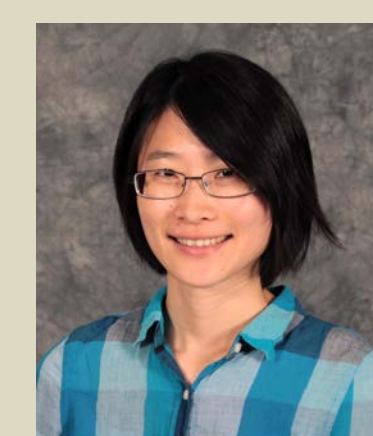


Santoshi Ramachandran  
PhD Student  
University of Houston



Sudan Puri  
PhD Student  
University of Houston

### TAURUS PREP – Astronomy & Physics – University of Texas



Chao-Ling Hung  
Team Lead  
Postdoctoral  
Researcher  
University of  
Texas, Austin



Briana Indahl  
PhD Student  
University of  
Texas, Austin



Keely Finkelstein  
Research  
Associate  
University of  
Texas, Austin



Raquel Martinez  
PhD Student  
University of  
Texas, Austin

### PREP - Astronomy & Physics – Texas A&M University



Daniel Nagasawa  
Team Lead  
PhD Student  
Texas A&M  
University



Andrew Quick  
PhD Student  
Texas A&M University



Peter Chi  
PhD Student  
Texas A&M University

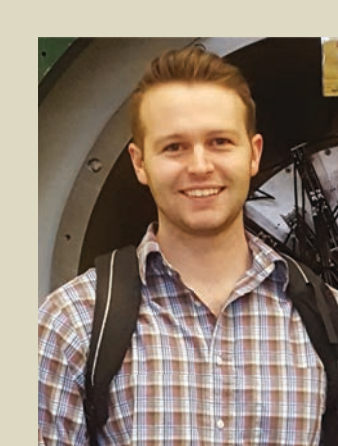
### Intro to Computational Science – Michigan State University



Devin Silva  
Team Lead  
Teaching Specialist  
Michigan State  
University



Austin Edmister  
PhD Student  
Michigan State  
University



Nate Watwood  
PhD Student  
Michigan State  
University

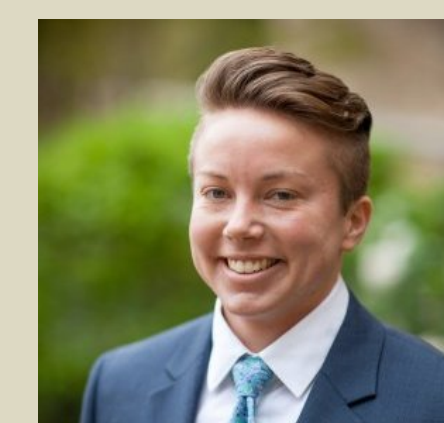
### Physics Lab (Non Majors) – Physics & Statistics - Michigan State University



Saul Beceiro Novo  
Team Lead  
Instructor  
Michigan State  
University



Adam Jacobs  
Postdoctoral Fellow  
Michigan State  
University



MacKenzie Warren  
Postdoctoral Research  
Associate  
Michigan State  
University

### MASP PEAC – Astronomy & Physics – University of Colorado Boulder



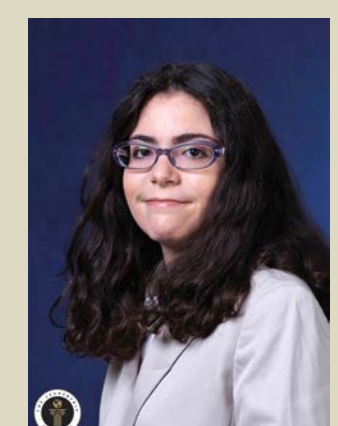
Austin Barnes  
Team Lead  
ISEE Program  
Manager  
UC Santa Cruz



Ben Forrest  
PhD Student  
Texas A&M  
University



Evan Anders  
PhD Student  
University of  
Colorado



Samantha Walker  
PhD Student  
University of  
Colorado

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 2017 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
- NSF Graduate Research Fellowship Program
- Air Force Office of Scientific Research grant
- Graduate Assistance in Areas of National Need (GAANN) grant

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

