

# PI Undergraduate School & Internship



# Organizers



**James Forrest**  
*Academic Programs Director*



**Diana Goncalves**  
*Academic Programs Assistant*



**Emilie Huffman**  
*PSI Fellow*

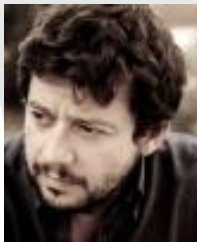


**Giuseppe Sellaroli**  
*PSI Fellow*



**Dan Wohns**  
*PSI Fellow*

# Organizer and Lecturer Backgrounds



**Alioscia Hamma**  
*Quantum Information,  
Condensed Matter*  
**PhD:** University Federico II  
2005



**Giuseppe Sellaroli**  
*Mathematical Physics*  
**PhD:** U. Waterloo 2016



**Dan Wohns**  
*Cosmology*  
**PhD:** Cornell University  
2011



**Emilie Huffman**  
*Condensed Matter,  
Lattice Field Theory*  
**PhD:** Duke University  
2018



**Aaron Szasz**  
*Condensed Matter*  
**PhD:** UC Berkeley 2019

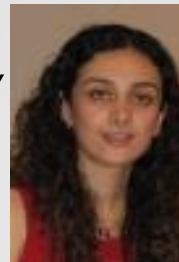
# Supervisors



**Alvaro Alhambra**  
*Quantum Information*  
**PhD:** University College  
London 2017



**Latham Boyle**  
*Cosmology, Strong Gravity*  
**PhD:** Princeton University  
2006



**Ghazal Geshnizjani**  
*Cosmology*  
**PhD:** Brown University  
2005



**Tim Hsieh**  
*Condensed Matter,  
Quantum Information*  
**PhD:** MIT 2015



**Meenu Kumari**  
*Quantum Information*  
**PhD:** U Waterloo 2019



**Denis Rosset**  
*Quantum Foundations*  
**PhD:** University of  
Geneva 2015



**Erik Schnetter**  
*Strong Gravity,  
Computational Physics*  
**PhD:** Universität  
Tübingen 2003



**Aaron Szasz**  
*Condensed Matter*  
**PhD:** UC Berkeley 2019

# Introductions

- What is your name?
- Where are you from?
- What field/s of physics are you interested in?
- What do you like to do other than physics?

# Meetings

- We'll meet once each week on Monday (11am).
- You'll also meet once per week in smaller groups.

# Groups

Let's set some times today.

## **Quantum Foundations Group:**

- Sotirios Mygdalas
- Joscelyn van der Veen
- Mark Buchanan

## **Cosmology, Strong Gravity Group:**

- Madison Tindall
- Jordan Krywonos
- Charlie Cummings
- Michelle Medina

## **Quantum Information, Condensed Matter Group:**

- Huan Bui
- Shawna Skelton
- Izel Giovanelli

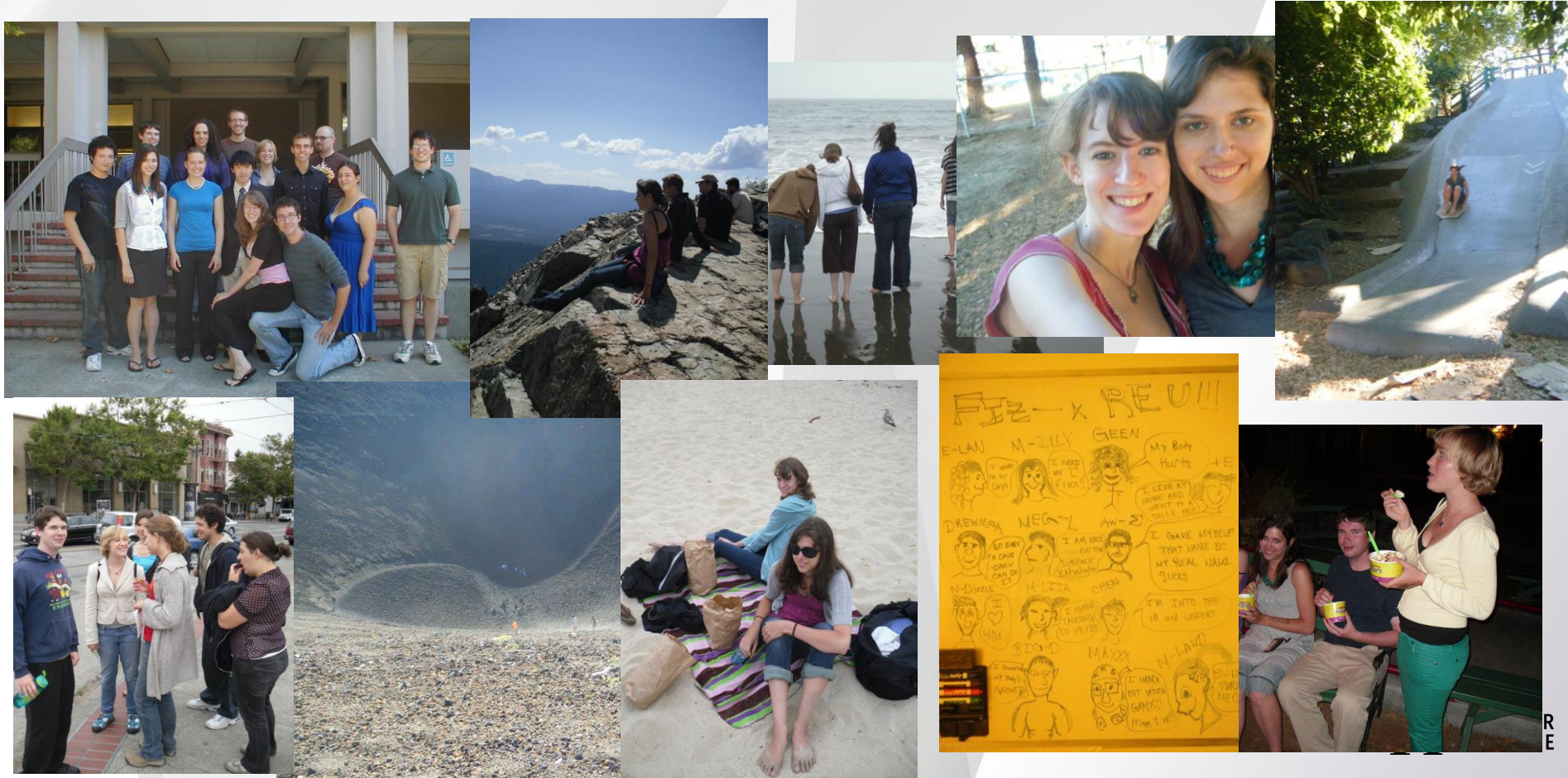
Five minutes in breakout rooms.

# Full Group Meetings

- We'll discuss our weeks informally.
- Starting in June, we'll take turns presenting some things we've learned (5-10 minutes of slides).
- At the end of the summer, we'll have some kind of presentation to a larger audience.
- We'll also do some activities. (more on that in a moment...)



# Memories (from my own undergrad summer research)



But how do we do these kinds of  
things now?

# Travel

- Let's take a trip to each of our cities (one per week).
- We'll start in Waterloo.





# Food

- Let's share food from each of our places!
- One recipe each week—to try to make before the next week.



# Recipe (forthcoming)

# Travel + Food Sign-up Sheet

[https://docs.google.com/spreadsheets/d/1LceXS\\_oq1G5CtCyQWl3g7wrrrrg354\\_8jgefEZMP5OE/edit?usp=sharing](https://docs.google.com/spreadsheets/d/1LceXS_oq1G5CtCyQWl3g7wrrrrg354_8jgefEZMP5OE/edit?usp=sharing)