

# 2022 Physics/AP/SLAC Summer Research



[physics-summer-research.stanford.edu](https://physics-summer-research.stanford.edu)

# What We'll Cover Today

- **Introductions**
- Schedules and tips for getting the most out of your research quarter
- Goal setting and check-in meetings
- Weekly presentations/workshops
- Paychecks

# Introductions

- Who are we?
  - Chaya Nanavati
  - Elva Carbajal
  - Anthony Flores, Rachel Gruenke
  - Ben Feldman
- Who are you as a group
  - Are you a rising sophomore, junior, or senior
  - Major: Physics, Engineering Phys., or undeclared
  - Research area: AMO, astro, bio, condensed matter, particle physics, theory

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# Summer Schedule

- 10 weeks: June 20<sup>st</sup> – August 26<sup>th</sup>
- Tuesdays at 9:00AM PDT in PAB 102/103 **(masks required)**: professional development workshops or faculty seminars (bagels and coffee outside at 8:45am)
- Mini-talks in-person, Thursday August 25<sup>th</sup>

# What “hours” should I work?

- ~40 hours / week
- Summer research is not compatible with other activities during the day, e.g. taking a summer course, other day job, etc.
- Consult with your mentors so you have overlap in work hours
- **Set up a daily meeting with your mentor**
- Try to attend group meetings and journal clubs

# Code of Conduct

- Be **professional**; this is a job, not a class
- **Communication** is key! Check your emails!
  - Talk with people in your group regularly! Be on the same page
  - Talk to your peers! They are great resources, and many of you might encounter similar problems
  - Talk to us whenever needed! We are here to help
- How to address people?
  - Professors: Ask their preference or start with “Professor X” and see how it goes
  - Grad students and postdocs: First names

# Tips for getting the most out of your summer

- **Ask questions** from Day 1.
- Know your main ‘supervisor’ aka mentor
- **Identify your project** by end of first week
- Read literature, especially review articles
- Participate in group activities, both work and play
  
- If you feel like a mushroom, **seek help**... from faculty advisor, postdocs & grad students in the group, Ben, Chaya, Elva, Rachel, Anthony





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# Goal Setting

- Start with Project Summary from your Summer Application
- **Final goals due on Gradescope by noon Tuesday 6/28**
- More about this at today's workshop



# Check-in Meetings

- We will have one-on-one meetings with each of you around the halfway point
- You will get a chance to tell us
  - what is working or not working
  - if you need additional resources
  - ...
- We will send a sign-up link as well as information on uploading your reflections to date.

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# Faculty Research Presentations

*(Tuesdays, at 9:00 AM PDT)*

- ~ 1 hour talk by a faculty member
  - Jason Hogan, Risa Wechsler, Brian Lantz, Vedika Khemani, Mark Capelli
- Coffee and bagels at 8:45am in Varian courtyard, but no food or drink allowed in PAB 102/103, and masks required.



# Professional Development Workshops

*(Tuesdays, at 9:00 AM)*

## **Research Skill Development**

- Setting Goals for the Summer (today)
- Mini-Talk Workshop
- Undergraduate Student Mini-Talks on **Thursday August 25**

Other planned events this year:

- Physics career paths
- Impostor syndrome
- Lightning Intro. to Physics Subfields

Computer support and programming workshops: [schedule here](#)

- Initial setup session, 6/21, 2-4pm, PAB 102/103
- Regular drop-in office hours (Monday and Thursday, 2-3pm)

# WOW! What All Have I Signed Up For?

- Research, i.e., Fun with Science
- Tuesday mornings starting at 9:00 AM PDT
  - Faculty research seminar and/or
  - Professional development
- Mini-talks (August 25)
  - Expect to spend the last week preparing for your mini-talk and writing a one-page summary
- Optional, but **strongly** recommended:
  - Get to know your peers!
  - We're looking for volunteers to organize group activities

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- **Paychecks**



# Paychecks

- All students should have received their check
- Sent to direct deposit or to the mailing address of record on Axess



# Resources

## Contacts:

Ben Feldman: [bef@stanford.edu](mailto:bef@stanford.edu)

Chaya Nanavati: [nanavati@stanford.edu](mailto:nanavati@stanford.edu)

Elva Carbajal: [elva@stanford.edu](mailto:elva@stanford.edu)

Rachel Gruenke: [rgruenke@stanford.edu](mailto:rgruenke@stanford.edu)

Anthony Flores: [aflores7@stanford.edu](mailto:aflores7@stanford.edu)

This slide deck will be available at:

<https://physics.stanford.edu/undergraduate-research/physics-undergraduate-summer-research-2022>

**Thank you for your attention!**

**Hope you get a lot out of your summer  
research!**

**Questions?**