

Ostroverkhova

Research Group

3/17/23

Physics 607

Who are they?

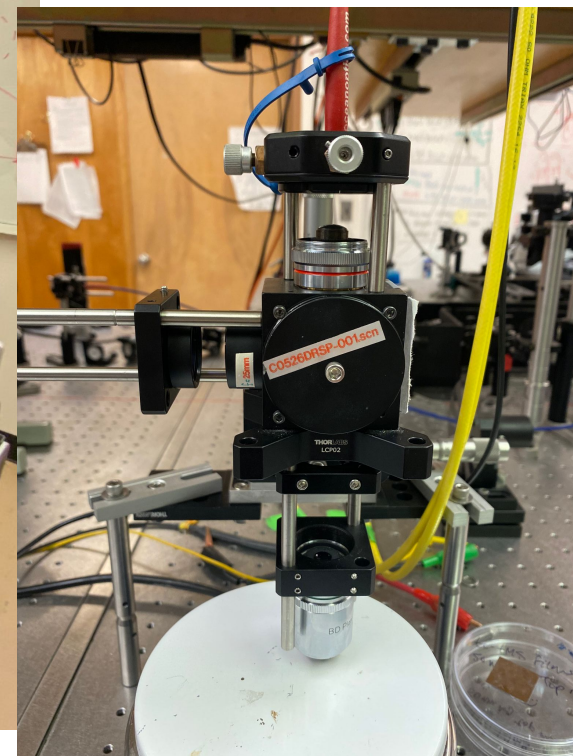
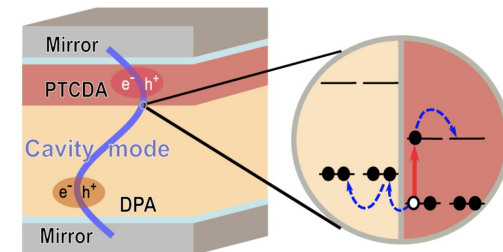
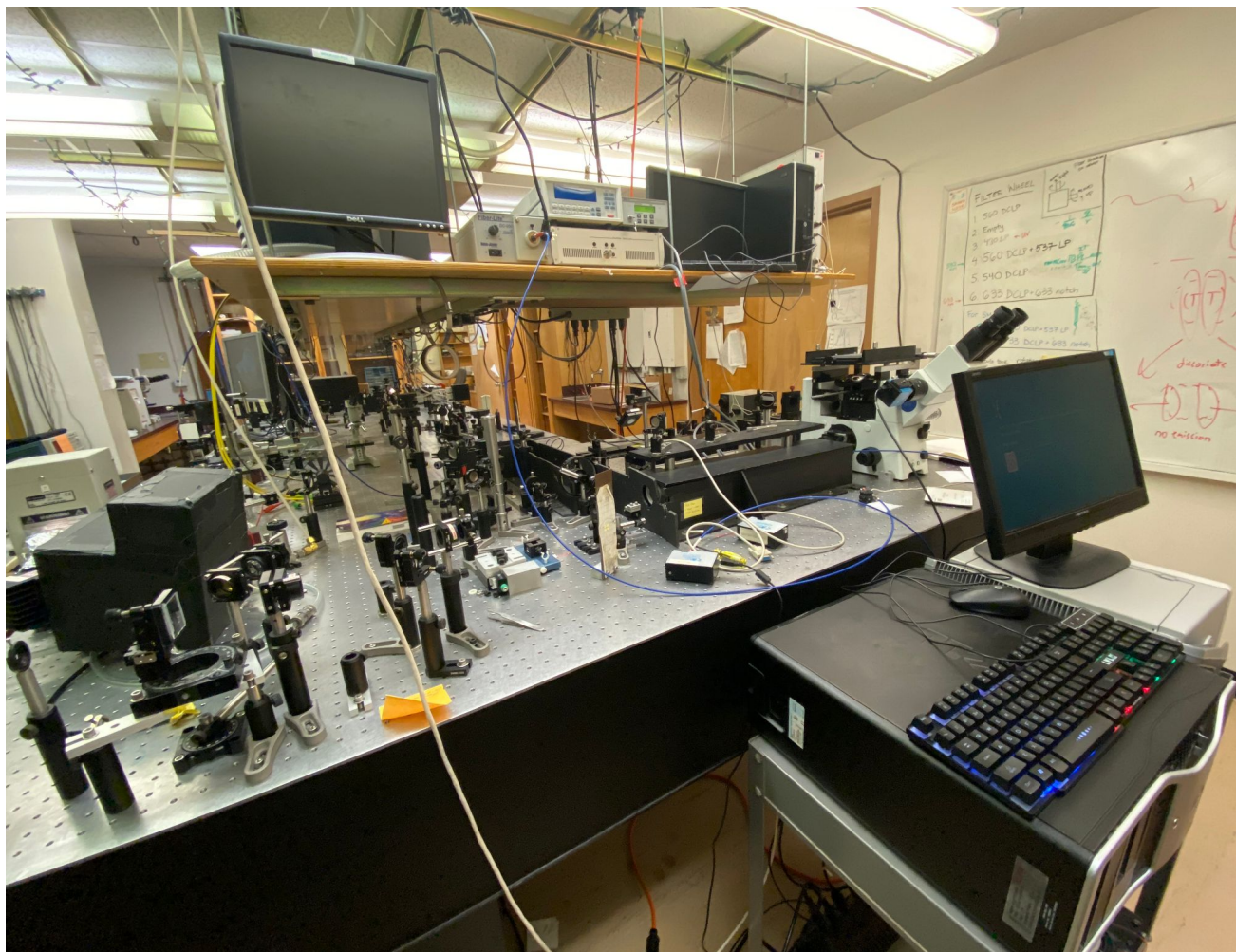
- 7 graduates:
 - Winston Goldthwaite
 - Roshell Lamug
 - Michael Chase
 - Kevin Dimmitt
 - Piper Aislinn
 - Vivek Jain
 - Matt O'Meara
- 4 Undergraduates:
 - Rebecca Munk
 - Mallory Kirms
 - Madalyn Gragg
 - Michael Hildebrandt
- Oksana (obviously)

What do they do

- Organic electronics and photonics group
 - 5 working on organics, polariton chemistry
 - 2 on 2D materials (Piper, Vivek)

How do they do it?

- Photoluminescence Spectroscopy
 - Ultrafast Spectroscopy (via Transient Absorption)
 - Thin Film Deposition (for mirrors)
 - Electrical Characterization (IV curves)



Collaborations

- Hewlett Packard (Corvallis Campus)
- Forestry department: LED pigments from fungi
- Entomology: Attracting bees with blue traps

Where do graduates go?

- Grads are exclusively industry bound
 - Intel
 - Senior data scientist at beatBread
 - Nova Dynamics
 - Tektronix
 - Microsoft
- Graduates often leave this group with job offers

How are they funded?

- 2 NSF grants
 - Materials and chemistry Division
- OSU Seed grant on 2D Magnets

Students are generally funded partially with partial GRAs/GTAs

What skills do you need/gain?

Students will generally learn

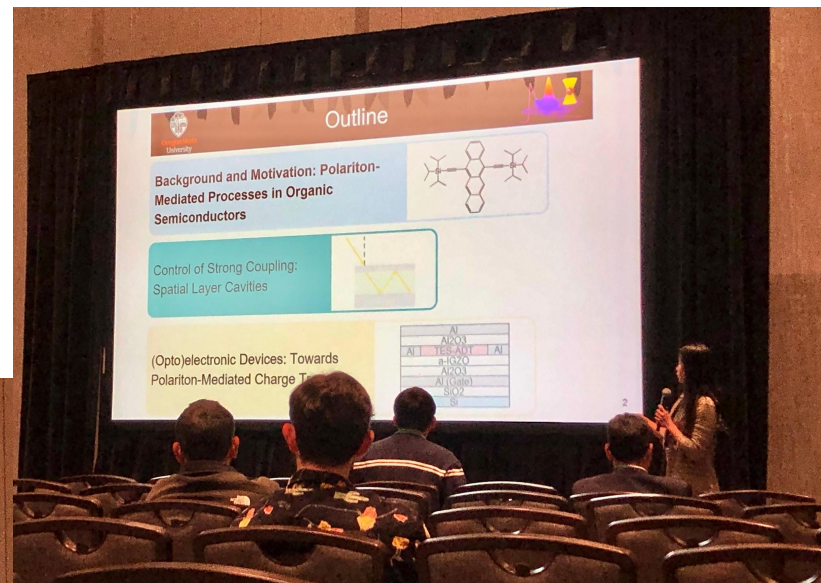
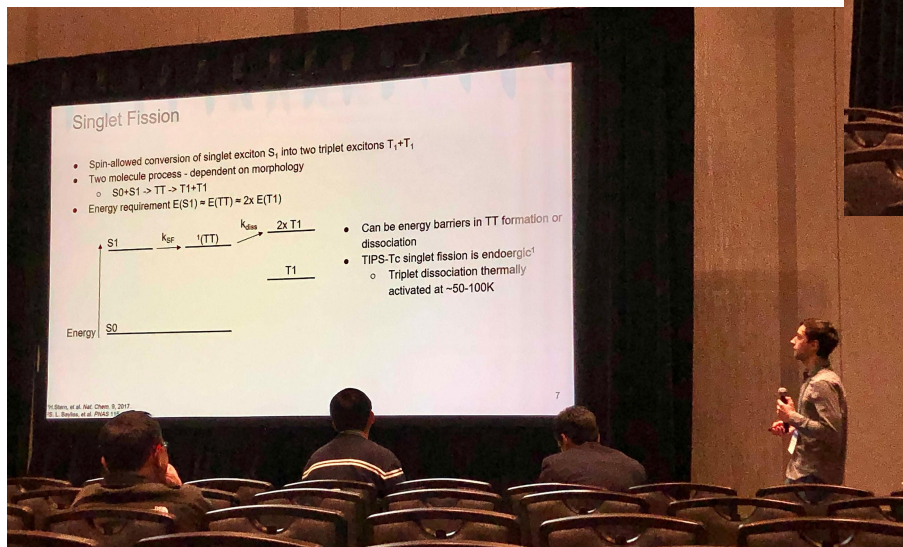
- Optics (very important)
- Chemistry/computational chemistry
- Computational E&M

To start, all you need is to know how to work independently

Anything special?

- Safety?
 - ▣ General Laboratory Laser and Chemical Safety Trainings
- Travel?
 - ▣ Conferences: APS March Meeting
- Strange hours?
 - ▣ Normal hours and schedule conflicts are uncommon

APS March Meeting



How do I learn more about them?

- Oksana: she's very friendly
- Papers?
- Posters?
 - Outside the Lab Room
- Website?
 - [Research Homepage](#)

