



## REU –SUMMER 2017

### WEEK 1

#### Monday June 12, 2017

- 9.00-10.00 Registration, Breakfast and Picture session
- 10.00-11.00 Orientation - Brief talks by:  
PRISM Director Prof. Craig Arnold  
PCCM Education Outreach Director Dr. Daniel Steinberg  
MIRTHE Education Outreach Director Roxanne Zellin  
PRISM/PCCM Education Outreach Coordinator Sara Rodriguez
- 11.00-12.00 Talk by Prof. Clifford Brangwynne  
*Topic: Biological Polymers*
- 12.00-1.00 Meet Your Mentors Luncheon - Friend Center Convocation Room  
1.00 Return to labs

#### Tuesday June 13, 2017

- 8.30-9.00 Breakfast
- 9.00-12.00 Lab Safety Training
- 12.00-1.00 Lunch
- 1.00- 2.00 Laser Safety Training
- 2.00- 3.00 Ice Cream Social
- 3.00-4.00 Public Safety Presentation by Sgt. Sean Ryder

#### Wednesday June 14, 2017

- 8.30-9.00 Breakfast
- 9.30-11.00 OIT Network and Computing Information Session
- 11.30-12.00 Lunch
- 12.00- 1.00 REU Seminar Series  
Talk by Prof. Jay Benziger  
*Topic: Polymer electrolyte membrane (PEM) fuel cell components*

#### Friday June 16, 2017

5.00-7.00 Welcome Dinner

@ Frick Chemistry Building Courtyard

Rain or Shine

*For all events, lunches and tours, the meeting place will be Bowen Hall Atrium unless otherwise specified. Schedule subject to change.*



## REU –SUMMER 2017

### WEEK 2

**Monday June 19, 2017** – please note change of date for seminar

11.30-12.00 Lunch

12.00-1.00 REU Seminar Series  
Talk by Prof. Howard Stone  
*Topic: Some Things I Have Learned About Research, But No One Ever Told Me*

### WEEK 3

**Wednesday June 28, 2017**

11.30-12.00 Lunch

12.00-1.00 REU Seminar Series  
Talk by Prof. Andrej Kosmrlj  
*Topic: Statistical Mechanics of thin structures, Elastic metamaterials, Mechanics during embryo development, Physics of adaptive immune system, Protein aggregation, Self-assembly of colloids*

### WEEK 4

**Tuesday July 4, 2017 – enjoy your day off!**  
**Happy 4<sup>th</sup> of July**

**Wednesday July 5, 2017**

11.30-12.00 Lunch

12.00-1.00 REU Seminar Series  
Talk by Prof. Julia Mikhailova  
*Topic: High-field physics, high-power lasers, relativistic laser-plasma interaction, synchrotron-type intense x-ray radiation from solids, laser-driven particle acceleration.*

**☀ Friday July 7, 2017 – Field Trip**

**PLEASE WEAR CLOSED-TOE SHOES – NO SANDALS OR FLIP-FLOPS**

**MUST HAVE ID – PASSPORT OR DRIVER'S LICENSE**

10.30 Talk by Prof. Barry Rand  
(REU Programs from Columbia University and NYU will be joining us)  
**Topic: Thin Film Electronics**

11.30-12.30 Lunch with Columbia and NYU REU students

12.35 Buses leave promptly to Princeton Plasma Physics Lab <http://www.pppl.gov/>

1.00-2.30 Tour of PPPL

3.00 Buses return to Princeton University

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## REU –SUMMER 2017

### WEEK 5

**Monday July 10, 2017** – please note change of date for seminar

11.30-12.00 Lunch

12.00-1.00 REU Seminar Series  
Talk by Prof. Jason Petta  
Topic: *Building Quantum Circuits in Silicon*

### WEEK 6

**Wednesday July 19, 2016**

11.30-12.00 Lunch

12.00-1.00 REU Seminar Series  
Talk by Prof. Richard Register  
Topic: *Polymer Materials Engineering*

### WEEK 7

 **Monday July 24, 2017 – Field Trip**

**PLEASE WEAR CLOSED-TOE SHOES – NO SANDALS OR FLIP-FLOPS**

11.30-12.30 Lunch at Bowen Hall Atrium

12.35 Buses leave promptly to Universal Display Corporation <http://oled.com/>

1.00-3.30 Tour of UDC

3.30 Buses return to Princeton University

**Wednesday July 26, 2017**

11.30-12.00 Lunch

12.00-1.00 REU Seminar Series  
Talk by Prof. Robert Cava  
Topic: *TBD*

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## REU –SUMMER 2017

### WEEK 8

#### Wednesday August 02, 2017

11.00-12.00 REU Seminar Series  
Talks by Postdocs  
Topic: *TBD*

12.00-1.00 Lunch with Postdocs

### WEEK 9

#### Monday August 07, 2017

12.00-12.30 Lunch

12.30-1.00 Ethics Seminar Activity and Discussion

#### Wednesday August 09, 2017

11.30-12.00 Lunch

12.00-1.00 REU Seminar Series

Talk by Prof. Craig Arnold

Topic: *Laser Processing and Transport in Materials*

#### Thursday August 10, 2017

5.00-7.30 REU Poster Night

Location: *Friend Center Convocation Room*

#### Friday August 11, 2017

Until 5p.m. Submission of required documents and check pick up at Soonoo's or Sara's office, Bowen Hall 318-317

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