

Enhanced, Science, Mathematics And Research Training

“K12 High School Science Education Outreach”

<http://ultracold.uchicago.edu/e.SMART2018>

Kersten Physics Teaching Center (KPTC)

5720 South Ellis Avenue

Chicago, IL 60637

Number of Students: 10~15

Date: July 12- July 17, 2018

Organizers: Jonathan Trisnadi: (773) 834-4844, jtrisnadi@uchicago.edu
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Agenda:

Thursday, July 12

	<u>Lecture + Experiment</u>	<u>Location</u>
9:45 am	Arrival and Breakfast	KPTC 206
10:00 - 10:50 am	<i>Topic 1: Light and Matter</i> (Jonathan Trisnadi and Conner Fieweger)	KPTC 213
11:00 - 11:50 am	<i>Topic 2: Interpreting the Sky</i> (Jonathan Trisnadi and Conner Fieweger)	KPTC 213
11:50 - 12:20 pm	Lunch with REU students	KPTC 206
12:20 - 1:30 pm	Chin Lab Tour (Jonathan Trisnadi, Joey He)	GCIS ESB11
1:30 - 4:00 pm:	<i>A Bright Idea</i> (Van Bistrow) (Assistants: Zhendong Zhang and Joey Hu)	KPTC 216
4:00 pm:	Departure	5720 S. Ellis Avenue

Friday, July 13

	<u>Lab tour and Argonne Lab Tour</u>	<u>Location</u>
9:45 am	Arrival and Breakfast	KPTC 206
10:00 am	Holography Experiment (Jonathan Simon) (Shuwen Fang, Daniela Girotti)	KPTC 213
11:50 - 12:30 pm	Lunch with REU Students (Shuwen Fang, Daniela Girotti)	KPTC 206
12:45 pm	Bus to Argonne National Lab (Mickey McDonald)	5720 S. Ellis Avenue
1:45 - 4:45 pm	Argonne National Lab (Contact person: Pat Canaday)	
4:45 pm	Departure	
5:45 pm	Arriving Hyde Park	

Saturday, July 14

Astro day - Observatory Tour (Athena Frost)Location

(Assistants: Jiazhong Hu, Zhendong Zhang, Geyue Cai, Shuwen Fang, Daniel

Girotti)

1:00 pm	Meet at U of C (Gordon Center)	929 E. 57 th Street
1:45 pm	Arrive at Adler Planetarium	Adler
5:00 pm	Dinner in front of Adler	
6:00 pm	Leave Adler	
8:00 pm	Yerkes Observatory	Williams Bay, WI
8:30 pm	Star Gazing	
12:00 am	Hyde Park (Inform parents the schedule)	929 E. 57 th Street

Monday, July 16

High Speed Imaging and 3D Printing

Location

(Jeffrey Gustafson)

(Assistant: Jiazhong Hu)

9:45 am	Arrival and Breakfast	KPTC 206
10:00 am	Introduction to 3D Printing	KPTC 213
11:30 am	Introduction to High Speed Imaging	
12:15 pm	Lunch with REU students	KPTC 206
	(Assistant: Geyue Cai, Daniela Girotti)	
1:00 pm	High Speed Imaging and 3D Printing	KPTC 213
4:00 pm	Departure	5720 S. Ellis Avenue
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Tuesday, July 17

Lectures + Lab Tours + BBQ

Location

9:45 pm	Arrival and Breakfast	KPTC 206
10:00 - 10:50 am	Experiment and Demonstration (I)	
	(Charles Matthews, Joey He)	
11:00 - 11:50 am	Experiment and Demonstration (II)	
	(Charles Matthews, Joey He)	
12:00 pm	Lunch	KPTC 206
	(Lab tour assistant: Mickey McDonald)	
1:00 pm	Engel Lab 2-6066 (Lawson Lloyd, Elizabeth Bain, Jake Higgins)	GCIS E032
1:45 pm	Schuster Lab 2-7191 (Nathan Earnest)	GCIS E131
2:30 pm	IME Nanofab Tour	
	(Contact: Sally Wolcott swolcott@uchicago.edu , 834-3548)	
3:15 - 5:00 pm	BBQ Party	KPTC 206 and Balcony
	(Brian DeSalvo, everyone and parents are welcome.)	