

Science, Mathematics And Research Training

“K12 High School Science Education Outreach”
<http://ultracold.uchicago.edu/SMART2022>

Gordon Center for Integrative Science (GCIS)
929 E. 57th ST
Chicago, IL 60637

Number of Students: 10~15

Date: July 7- July 12, 2022

Organizers: Jiamei Zhang: (773) 219-5256, zmjm@uchicago.edu
Maria Jimenez: (773) 702-9971 mdjimene@uchicago.edu
Eileen Sheu: (773) 834-9916, esheu@uchicago.edu
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Cheng Chin: (773) 702-7192, cchin@uchicago.edu

Agenda:

Thursday, July 7

	<u>Lecture + Experiment</u>	<u>Location</u>
9:45 am	Arrival and Breakfast	KPTC 213
10:00 - 10:50 am	<i>Topic 1: Light and Matter</i> (Jiamei Zhang and Joao Fontes)	KPTC 213
11:00 - 11:50 am	<i>Topic 2: Interpreting the Sky</i> (Jiamei Zhang and Joao Fontes)	KPTC 213
11:50 - 12:20 pm	Lunch with REU students	KPTC 206
12:30 - 1:00 pm	DeMile Lab Tour (Contact: Mohit Verma, (312) 866-2773)	GCIS ESB41
1:00 pm - 1:30pm	Chin Lab Tour (Geyue Cai)	GCIS ESB11
1:30 - 4:00 pm	<i>A Bright Idea</i> (Jay Jachinowski) (Assistant: Stella Kraus)	KPTC 206
4:00 pm	Departure	929 E. 57 th St.

Friday, July 8

	<u>High Speed Imaging and 3D Printing</u>	<u>Location</u>
	Organizers: Sarah Brown and Justin Jureller (Assistant: Shu Nagata and Tzu-Ken Shen)	
9:45 am	Arrival and Breakfast	KPTC 206
10:00 am	3D Printing Activities: Tinkercad (Justin Jureller and Sarah Brown) 3D Pens (Christin Ahn)	KPTC 206/213
12:15 pm	Lunch: Graduate Student Research Presentation	GCIS E223
1:00 pm - 4:00 pm	High Speed Imaging (Justin Jureller and Sarah Brown) (Assistant: Henry Ando and Jay Jachinowski)	KPTC 206/213
4:00 pm	Departure	929 E. 57 th St.

Saturday, July 9

Astro day - Observatory Tour

Location

Athena Frost (Assistants: Aditi Goyal, Joao Fontes, Tzu-Ken Shen, Jay Jachinowski, Shu Nagata)

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

Monday, July 11

Holography and Argonne Lab

Location

9:45 am	Arrival and Breakfast	KPTC 206
10:00 - 10:50 am	Experiment and Demonstration (Henry Ando and Jay Jachinowski)	KPTC 206/213
11:00 - 11:50 am	Bus to Argonne National Lab (Lauren Weiss, Jiamei Zhang, Geyue Cai, Aditi Goyal)	929 E. 57 th Street
12:00 - 1:45 pm	Lunch at Argonne (With Students from Ohio State & UIUC)	Cafeteria
1:45 - 4:45 pm	Argonne National Lab (Contact: Angie McKay amckay@anl.gov , (630) 252-5522)	
4:45 pm	Departure	
5:45 pm	Arriving Hyde Park	929 E. 57 th Street

Tuesday, July 12

Lectures + Lab Tours + BBQ

Location

9:45 pm	Arrival and Breakfast	KPTC 213
10:00 - 11:50 am	Solar Car Design and Race (Jonathan Trisnadi and Krutik Patel)	KPTC 213 & 1 st Floor Patio
12:00 pm	Lunch with REU Students	KPTC 206
1:00 pm	King Lab (Contact: Joseph Spellberg, (847)347-7136, (773)795-0148)	GCIS E005
1:45 pm	Irvine Lab (Contact: Robert Morton and Takumi Matsuzawa)	KPTC106/GCIS EB029
2:30 pm	IME Nanofab Tour (Contact: Michelle Dassinger, michelle.dassinger@uchicago.edu , 834-3548)	ERC Lobby
3:15 - 5:00 pm	BBQ Party (Zhendong Zhang, everyone and parents are welcome.)	KPTC 206 and balcony