Science, Mathematics And Research Training+

“K12 High School Science Education Outreach”

http://ultracold.uchicago.edu/SMART2017

Kersten Physics Teaching Center (KPTC)
5720 South Ellis Avenue
Chicago, IL 60637

Number of Students: 10~15
Date: July 27- August 1, 2017

Organizers:
Anita Gaj: (312) 868-1100, anitagaj@uchicago.edu
Eileen Sheu: (773) 834-9916, esheu@uchicago.edu
Athena Frost: (773) 916-7803, frost.athena@gmail.com
Cheng Chin: (773) 702-7192, cchin@uchicago.edu

Agenda:

Thursday, July 27

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
<th>Location</th>
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<tbody>
<tr>
<td>9:45 am</td>
<td>Arrival and Breakfast</td>
<td>KPTC 206</td>
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</tbody>
</table>
| 10:00 - 10:50 am | Topic 1: Light and Matter  
(Anita Gaj and Krutik Patel) | KPTC 213   |
| 11:00 - 11:50 am | Topic 2: Interpreting the Sky  
(Anita Gaj and Krutik Patel) | KPTC 213   |
| 11:50 - 12:20 pm | Lunch with REU students                                                  | KPTC 206   |
| 12:20 - 1:30 pm | Chin Lab Tour  
(Lei Feng, Benjamin Foster) | GCIS ESB11 |
| 1:30 - 4:00 pm  | A Bright Idea (Van Bistrow)  
(Asstistants: Jonathan Trisnadi and Benjamin Foster) | KPTC 210   |
| 4:00 pm        | Departure                                                               | 5720 S. Ellis Avenue |

Friday, July 28

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<td>9:45 am</td>
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<tr>
<td>10:00 am</td>
<td>Introduction to 3D Printing</td>
<td>KPTC 213</td>
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<tr>
<td>11:30 am</td>
<td>Introduction to High Speed Imaging</td>
<td>KPTC 206</td>
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| 12:15 pm     | Lunch  
(Asstistants: Jonathan Trisnadi, Conner Fieweger) | KPTC 206   |
| 1:00 pm      | High Speed Imaging and 3D Printing                                       | KPTC 213   |
| 4:00 pm      | Departure                                                               | 5720 S. Ellis Avenue |
Saturday, July 29

Observatory Tour (Athena Frost)
(Assistants: Mickey McDonald, Anita Gaj, Benjamin Foster, Allen Chiu, Gina Wong, Mingjamei Zhang)

1:00 pm Meet at U of C (Gordon Center) 929 E. 57th 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. 57th Street

Monday, 7/31

Lab Demo. + Fermi Lab Tour

9:45 am Arrival and Breakfast KPTC 206
10:00 am Holography Experiment (Jonathan Simon) KPTC 213 (Misha Usatyuk, Conner Fieweger)
11:50 - 12:30 pm Lunch with REU Students KPTC 206
12:45 pm Bus to Fermi Lab 5720 S. Ellis Avenue (Anita Gaj, Brian DeSalvo)
1:45 - 4:45 pm Fermi Lab lab tour (Contact person: Amanda Early, (630) 840-4165, aearly@fnal.gov)
4:45 pm Departure
5:45 pm Arriving Hyde Park 5720 S. Ellis Avenue

Tuesday, 8/1

Lectures + Lab Tours + BBQ

9:45 pm Arrival and Breakfast KPTC 206
10:00 - 10:50 am Experiment and Demonstration (I) KPTC 206 (Charles Matthews, Misha Usatyuk)
11:00 - 11:50 am Experiment and Demonstration (II) KPTC 206 (Charles Matthews, Misha Usatyuk)
12:00 pm Lunch with REU students 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.)