



**STEP/C-SIP/ACS SEED Sessions**  
**University of California, Merced**  
**June 5-7, 2017**  
**Activities Led by CCBM and Affiliates**  
**Updated June 2, 2017**

**June 5: STEP, C-CIP and ACS SEED**

- 10:30 am: STEP participants meet Nora Cole at Le Grand Parking Lot, south corner of lot at Ansel Adams/Mineral King Roads  
10:45-11:15 am: Carrie Kouadio, STEP overview (STEP), SE 1, 390  
--Meet/overview of programs/forms  
11:15-11:30 am: Dr. Andy LiWang, CCBM faculty, (STEP/SEED), SE 1, 390  
11:30 am-12:30 pm: Lunch (STEP/SEED), SE 2 Activity Center (in south lobby, 1<sup>st</sup> floor)  
12:30-1:30 pm: Campus tour (STEP/SEED), meet at SE 2 elevator on 1<sup>st</sup> floor  
1:00-1:30 pm: Carrie Kouadio, C-SIP overview (C-SIP), SE 1, 390  
--Meet/overview of programs/forms  
1:45-2:00 pm: Dr. Ayesha Boyce (Videoconference), External Evaluator, University of North Carolina Greensboro (STEP/C-SIP/SEED welcome), SE 1, 300  
2:00-2:45 pm: Dr. Daniel Wong (Videoconference), University of Illinois at Urbana-Champaign: Ethics in Research (STEP/C-SIP/SEED), SE 1, 300  
2:45-3:00 pm: Break (STEP/SEED)  
3:00-3:30 pm: Joel Heisler (Dr. Andy LiWang group): Biological Timekeeping with Protein Clocks (STEP/SEED), SE 1, 300  
3:30-5:00 pm: Dr. Donna Jaramillo-Fellin: Chemistry and Physics Lab Activities (STEP/SEED), meet at SE 1, 300 to start  
5:15 pm: STEP pick up at Le Grand Parking Lot, south corner of lot at Ansel Adams/Mineral King Roads

**June 6: STEP, C-SIP, and ACS SEED**

- 8:15 am: STEP participants meet Nora Cole at Le Grand Parking Lot, south corner of lot at Ansel Adams/Mineral King Roads  
8:30-9:45 am: Breakfast/CCBM overview and 5 minute overviews from C-SIP mentors (STEP/C-SIP/SEED), California Room at the Terrace Center\*\*\*(See below)  
10:00 am-12:00 pm: Lab Safety Training (STEP/C-SIP/SEED), SSB 120  
12:15-1:10 pm: Lunch (lunch/eat together) (STEP/SEED), SE 1, 390  
1:10-2:00 pm: Melissa Goodlad (Dr. Tao Ye group): Dr. Tao Ye lab tour, presentation (STEP/SEED), SE 1, 390  
1:00-2:00 pm: Joe Muskin (Videoconference), University of Illinois at Urbana-Champaign: Translating Research into Educational Modules, Next Generation Science Standards (STEP teacher), SE 1, 396  
2:00-2:30 pm: Dr. Jing Xu, CCBM faculty: Traffic Control in Cells: A Physicist's Perspective (STEP/SEED), SE 1, 390  
2:30-2:45 pm: Break  
3:00-5:00 pm: Fire Safety Training (STEP/C-SIP/SEED), SSB 120  
5:15 pm: STEP pick up at Le Grand Parking Lot, south corner of lot at Ansel Adams/Mineral King Roads

**June 7: STEP**

- 8:30 am: STEP participants meet Nora Cole at Le Grand Parking Lot, south corner of lot at Ansel Adams/Mineral King Roads  
8:45 am: Carrie Kouadio: STEP Reflection Overview (STEP), SE 1, 390  
9:00-10:00 am: Dr. Miguel Manansala (Stem Cell Instrumentation Foundry): "Basic Applications and Overview of Nanofabrication, Imaging and Cell Culture Techniques" and SCIF lab tour at SE 2 (STEP): SE 1, 390  
10:00 am-12:00 pm: Dr. Anand Subramaniam, Light Microscopy Tutorial (STEP), SE 2, 290  
12:00-12:30 pm: Lunch, SE 2 290  
12:30 pm: Nora Cole, North campus walking tour and group photo  
1:00-4:00 pm: Dr. Anand Subramaniam, CCBM faculty, Light Microscopy Tutorial (STEP), SE 1, 290  
4:00-5:00 pm: Dr. Aleksandr Noy/Lawrence Livermore National Lab (STEP/SEED), SE 1, 390  
5:15 pm: STEP pick up at Le Grand Parking Lot, south corner of lot at Ansel Adams/Mineral King Roads

**Contact Information:**

Nora Cole, CCBM Programs Manager | Office: SE1, 396  
[ncole2@ucmerced.edu](mailto:ncole2@ucmerced.edu), (815)975-0803 (cell); (209)228-3603 (office)

Carrie Kouadio, CCBM Executive Director | Office: SE1, 396  
[ckouadio@ucmerced.edu](mailto:ckouadio@ucmerced.edu), (217)898-3522 (cell); (209)228-3608 (office)

**Information for Participants:**

Please plan to bring a lunch, snacks, notepad/pen, and a water bottle in a bookbag each day. We will have microwave access in SE 1 hallways and some buildings, but will not have a refrigerator available. You may like to wear sunscreen or a hat for the campus tour. If you wear sandals, make sure to bring closed toed shoes for the walking.

**Locations/refer to map:**

Le Grand Parking Lot  
Science and Engineering 1 (SE 1)  
Science and Engineering 2 (SE 2)  
Terrace Center  
Student Services Building (SSB)

STEP: 5 high school students, 1 high school science teacher

C-SIP: 7 undergraduates

ACS SEED: 9 high school students

**Tuesday, June 6, 8:30-9:45 am**

CCBM Orientation and Overview, 5 min Project Summary from each lab  
California Room, in Terrace Center

**Schedule**

8:00-8:30 am—*Breakfast available*

8:30-8:35 am—Formal introductions of all mentors and participants—Kouadio

8:35-9:05 am—CCBM Overview: Overview of center research, education, and outreach—Gopinathan/Kouadio

9:05 am—Muñoz lab (Thrust 1)

9:10 am—LiWang lab (Thrust 1)

9:15 am—Ghosh lab (Thrust 2)

9:20 am—Subramaniam lab (Thrust 2)

9:25 am—Gopinathan lab (Thrust 2/3)

9:30 am—Liu lab (Thrust 3)

9:35 am—McCloskey lab (Thrust 3)

9:40 am—C-SIP participants check in with mentors on logistics for beginning lab work, depending on bootcamp(s) participant will attend, and other information

9:45 am—C-SIP/STEP/SEED participants leave for the next session (Fire Safety Training)