**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

10:45-1:30 pm:
- Carrie Kouadio, STEP overview (STEP), SE 1, 390
  -- Meet/overview of programs/forms
- Dr. Andy LiWang, CCBM faculty, (STEP/SEED), SE 1, 390

11:15 am: Campus tour (STEP/SEED), SE 2 elevator on 1st floor

11:30 am-12:30 pm: Lunch (STEP/SEED), SE 2 Activity Center (in south lobby, 1st floor)

12:30-1:30 pm: Carrie Kouadio, STEP Reflection (STEP), 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, 300

1:10-2:00 pm: Melissa Goodlad (Dr. Tao Ye group): Dr. Tao Ye lab tour, presentation (STEP/SEED), SE 1, 390

2:00-2:50 pm: Joe Muskin (Videoconference), University of Illinois at Urbana-Champaign: Translating Research into Educational Modules, Next Generation Science Standards (STEP teacher), SE 1, 396

2:50-3:00 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:

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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)