CSU Chemistry REU program, summer 2017

COLORADO STATE UNIVERSITY
DEPARTMENT OF CHEMISTRY
SUMMER REU PROGRAM

Chemistry Applied to Real World Problems – Chemical Sciences at CSU
Orientation

- Introductions
- Safety and Lab Training
- Calendar
- Work/Life “Balance”
- Marching Orders
Introductions

- Directors: Matt Shores (C107) & Jamie Neilson (C211)
- Coordinator: Elizabeth McCoy (B203)
- Associated programs
  - Fixman Summer Theory Program
    - Martin McCullagh
  - Catalysis Collaboratory for Light-activated Earth Abundant Reagents
    - Matt Shores & Tony Rappé (CSU); Niels Damrauer (CU), Eric Ferreira (Georgia), Tom Rovis (Columbia)
- Mentors
- REU Ambassadors
  - Abby Ward (Snow Lab)
  - Maggi Braasch-Turi (Williams Lab)
  - R. Colby Evans (Sambur Lab)
  - Patrick Fricke (McNally Lab)
- Associated CSU undergrad researchers

- Andrew Candia: former REU student, current CSU student, undergrad ambassador and all-around nice guy
  - Andrew.candia@rams.colostate.edu
Safety and training

- Department safety manual
- Working alone in the lab at any time
- Working after hours w/o more senior researchers around
- Minimum proper attire, aka personal protective equipment (PPE)
  - closed-toe shoes
  - pants/slacks
  - safety glasses
- Individual (online) safety training
  - hazardous waste
  - radiation control
  - CIF training, including magnet safety
- Individual research group safety training
- REU lunch 6/14: follow-up on safety discussion
  - what PPE is required in your lab?
  - what makes your lab different/special/odd in terms of safety considerations?
Calendar of events

- Wednesday lunches & seminars (professional development)
- Thursday cookie time
- All-CSU REU programming
- REU group meetings (weeks 8-10)
- Final poster session
- Final reports

- (see calendar on REU website)
Life/work “balance” stuff

- Details available on the chemistry REU site: https://www.chem.colostate.edu/reu/
- Meal times
  - breakfast 7-9:30
  - lunch 11-1:30
  - dinner 5-7
- Gym access
  - $5 per day
- Lab expectations
  - minimum expectations: M-F 9-5
  - individual groups have different lab cultures
  - individual projects will vary widely
  - have fun, but remember why you’re here
- Lab access “after hours”
- Questions? Concerns?
  - talk to Matt/Jamie
  - talk to the REU Ambassadors
Marching Orders (today and the rest of week 1)

- Pick up 1st paycheck today (Elizabeth)
- Touch base with your mentor(s)
- Pick up Ramcard **today** (271 LSC)
- Sign up for CIF training (as needed)
- Read the department safety manual
- Online safety training (as needed)
- Lunch **Wednesday 12 noon** (Yates 406)
- All-REU social **Wednesday 4:30 pm** (Edwards Hall)
- Cookie time **Thursday 3:45 pm** (B101e Chemistry—next to main office)
- Rafting **Saturday** (optional - you know more details than I do)
- Think about:
  - Rockies Baseball game
  - National Renewable Energy Laboratory (NREL) visit – **scheduling in progress**
  - Other tours that could be related to this research experience