**Application Checklist**

* Review eligibility <https://chembio.ucdavis.edu/apply/eligibility>
* Research possible rotation trainers: <https://chembio.ucdavis.edu/people/faculty>
* Outline research proposal
* Request/receive a PI letter of support and statement of mentorship:
  + A statement of mentorship is required and can be included as a part of the letter or separate. The PI should speak to their mentorship activities and approach in general and any mentorship training that took place during the previous academic year.
* Gather electronic support/signatures for the proposed research from your PI & the identified rotation trainer (email correspondence accepted in PDF format)
* Review and compile the application in PDF format as one file (letters can be sent separately)
* **Submit all materials by Friday, July 15 at 12 PM PST via email to** [**ajlo@ucdavis.edu**](mailto:ajlo@ucdavis.edu)
* Enjoy the summer a bit! Interviews will be in early-mid August

**Eligibility**

* All qualified applicants are encouraged to apply regardless of citizenship status.
* All applicants must have completed or be in the process of completing the third quarter of the first year and not yet entered the second year of their doctoral graduate program.
* All applicants must have joined the laboratory of one or more of our [faculty trainers](https://chembio.ucdavis.edu/people/faculty) and already be engaged in thesis research at the chemistry/biology interface.
* CBP fellows are required to take **CHE 238: Introduction to Chemical Biology**. This should be completed in the Fall quarter of the second year of graduate study (the first year of CBP support), if not before. In addition, fellows must complete one more graduate level course in Biostatistics -NSC 219 *Design to Data*
* CBP fellows are required to engage in **cross-disciplinary research training** (e.g. lab rotation) in one or more labs outside of the fellow's specific research discipline and with complementary research expertise for a duration of one quarter or longer. The goal of this research rotation is to enhance chemistry/biology cross training. A description of cross training must be included in the application.

***Questions?***

Please reach out to the Chemical Biology Program Coordinator

(Alex Lopez- ajlo@ucdavis.edu)

**Please complete the fields below:**

|  |  |  |
| --- | --- | --- |
| Name |  | |
| UCD Email |  | |
| Phone |  | |
| Student ID |  | |
| PhD Start Date |  | |
| Grad Group |  | |
| PI/Lab |  | |
| Research Advisor |  | |
| Gender | **□** Female **□** Male **□** Prefer not to say | |
| Preferred Pronouns |  | |
| US Citizen or Permanent Visa Resident in US? | **□** Yes **□** No | |
| How do you identify? (Please check all that apply) | □ Asian or Asian American  □ Black or African American  □ Hispanic, Latino, or Spanish origin  □ Native American, American Indian or Alaska Native  □ Native Hawaiian or Other Pacific Islander  □ White  □ Two or more races  □\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |
| GRE Scores | GRE: | Subject: |

***Cross Training Information***

|  |  |
| --- | --- |
| **Name of the PI for Cross Training Rotation Lab** |  |
| **Rotation PI Email** |  |
| **Rotation Lab PI Department** |  |

**Signature (student):**                                     Date:

**Signature (Research Advisor):**                                 Date:

**Signature (Rotation Lab PI):**                              Date:

**A. EDUCATION/TRAINING** *(Begin with baccalaureate or other initial professional education and include current graduate program. Add/delete rows as necessary.)*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| INSTITUTION AND LOCATION | DEGREE  *(if applicable)* | Completion Date  MM/YYYY | FIELD OF STUDY | GPA |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

**B.Personal Statement and Research Experience** (Do not exceed one page)

**C.Positions and Honors**

**D.List of Publications, Abstracts, Patents, and Patent Applications**

**E.List of Presentations**

**F. Research Project and Cross Training**

**F1.** **Research Project Title**

**F2.** **Keywords (up to eight)**

**F3.** **Research Project Description**

(Describe briefly your research project and objectives using the “first person case” to indicate your work. Do not exceed one page excluding references. Use 11-point Arial font):

**F4.** **Research Project Progress**

(Describe briefly your research progress. Do not exceed one page excluding references. Use 11-point Arial font). Include all relevant information.

**F5.** **Description of Chemistry/Biology Cross-disciplinary Research Training**

(e.g. lab rotation in one or more labs with complementary research expertise outside of your own research discipline). Describe briefly a plan for chemistry/biology cross training and how this plan will advance the goals of your research project and your career goals. Do not exceed one page excluding references. Use 11-point Arial font):

**F6. Your choice of cross training classes:**

*CHE238: Introduction to Chemical Biology (Required)*

The quarter you have taken or expect to take the class\_\_\_\_\_\_\_\_\_\_\_\_

**For biology students:**

CHE240 Advanced Analytical Chemistry

CHE233 Physical-Organic Chemistry

CHE205 Symmetry, Spectroscopy and Structure

CHE226 Principles of Transition Metal Chemistry

CHE231A Organic Synthesis: Methods and Strategies

CHE211A Advanced Physical Chemistry: Statistical Mechanics

CHE217 Protein Crystallography

CHE245 Mechanistic Enzymology

CHE221F Chemical Glycobiology

CHE221D Chemical Biology of Cancer

Other (specify)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**For chemistry students:**

BCB210 Molecular Genetics & Genomics

BCB211 Macromolecular Structure & Interactions

BCB212 Cell Biology

BCB213 Developmental Biology

BCB214 Molecular Biology

BPH200A Biophysical Techniques

BPH241 Membrane Biology

BIM202 Cell and Molecular Biology for Engineers

BIM204 Physiology

PTX201 Principles of Pharmacology and Toxicology

NSC221 Cellular Neurophysiology

Other (specify)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**F7.** **List any lab safety training you have completed or plan to complete and the corresponding dates**.