**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:
  + The PI letter of support must state that the PI understands that acknowledge and understand they are responsible for the Trainee appointment salary if their applicant is selected, and the NIH stipend does not cover the designated UC rate.
  + 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.
* Please submit these documents via the [CBP Document Deposit/](https://ucdavis.app.box.com/f/7cca986c4e6d456ab314b21d06ab69f0) <https://ucdavis.app.box.com/f/7cca986c4e6d456ab314b21d06ab69f0>
* Gather electronic support/signatures for the proposed research from your PI & the identified rotation trainer (email correspondence accepted in PDF format)
* Review and complete the [electronic application form](file:///C:\Users\ajlo\Downloads\electronic%20application%20form) / <https://forms.gle/eVXXoWUGCEjbHfRdA>
* Review and compile the supplemental application and submit via the [CBP Document Deposit](https://ucdavis.app.box.com/f/7cca986c4e6d456ab314b21d06ab69f0)
* **Submit all materials by Thursday, July 31, 2025 at 11:59 PM PST**
* Enjoy the summer a bit! Calls for interviews will be in August.

**Eligibility**

* 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 2 courses: [**CHE 238: Introduction to Chemical Biology**](https://chemistry.ucdavis.edu/sites/g/files/dgvnsk196/files/files/page/238.docx) and **a course such as** [**Chemistry 298 - Rigor & Reproducibility in Chemical Biology Research**](https://chembio.ucdavis.edu/sites/g/files/dgvnsk2211/files/inline-files/Rigor%20class%20syllabus.pdf) **that has a biostat, RCR and R&R component. Please see** [**https://chembio.ucdavis.edu/apply**](https://chembio.ucdavis.edu/apply) **for more details.** These courses should be completed in the soonest available quarter of the second year of graduate study (the first year of CBP support), if not before. Any additional cross-training course is now optional.
* 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. If proposed cross-training is off campus a plan regarding financial support (from PI and/or Cross-Trainer) is required.

***General Information and Support Signatures***

**Please complete the fields below:**

|  |  |
| --- | --- |
| Name |  |
| UCD Email |  |
| Phone |  |
| Student ID |  |
| PhD Start Date |  |
| Grad Group |  |
| PI/Lab |  |

***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. Coursework Review:**

*Please note, the 2 required courses of Chemistry 238 and courses like Chemistry 298 are not required prerequisites. Please note any additional coursework or experience you feel is relevant to the application as well. A syllabus for the CHE298 equivalent will be requested after recruitment if accepted to CBP.*

* Chemistry 238: Introduction to Chemical Biology (Required)
  + The quarter you have taken or expect to take the class\_\_\_\_\_\_\_\_\_\_\_\_
* Chemistry 298 - Rigor & Reproducibility in Chemical Biology Research (or Similar Required)
  + The quarter you have taken or expect to take the class\_\_\_\_\_\_\_\_\_\_\_\_

***Other Coursework:***

**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**.