**CHEMISTRY/BIOLOGY INTERFACE TRAINING GRANT**

“Training Future Leaders at The Chemistry-Biology Interface”

**Mission.** The research enterprise is constantly evolving and is becoming increasingly complex, interdisciplinary, and collaborative. The Chemistry-Biology Interface (CBI) Training Program, funded by NIH/NIGMS, at Cornell began in 1996. The mission of the program is to provide diverse trainees with a core background in chemistry and cross-training in the biological sciences, with a strong focus on promoting interdisciplinary research. We aim to produce next generation biomedical researchers who can use chemistry to innovatively and rigorously address important problems in biology and medicine in various career paths, including academic research, the pharmaceutical industry, as well as science education, policy, and others.

**Primary training elements:** Core courses in chemistry, biology, responsible conduct of research (RCR), and methods for enhancing reproducibility; biweekly meetings that include research seminar presentations, workshops, and literature lunches; inviting and hosting of outside seminar speakers; a 6-10 weeks sabbatical internship; and the organization of the annual CBI symposium. Funded trainees are required to attend all training activities. Trainees who have rotated off the CBI financial support but are still in training are required to attend research seminar presentations, inviting and hosting seminar speakers, and organizing and attending the annual symposium. In addition, faculty members hosting a CBI trainee are required to take mentor training activities organized jointly by several training programs on campus with the help of The Office of Faculty Development and Diversity. This is a new requirement by the NIH.

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| Applicant Name | Sponsor Name |
| Applicant Telephone | Sponsor Telephone |
| Applicant E-Mail Address | Sponsor E-Mail Address |

Project Title (not to exceed 56 characters):

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Signature of Applicant: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Signature of Sponsor: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Please email the completed application and supporting documentation to ksc7@cornell.edu, with “CBI – Trainee Name” in the subject line by 5:00 pm, Monday, June 3, 2024.

**APPLICANT RESUME**

Applicant's Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Campus Address:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Telephone: Campus: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Home:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Graduate Field:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Major Advisor: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Degree Expected: \_\_\_\_\_\_\_\_\_\_\_\_ Date Entered Cornell Graduate Program: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

GRE Scores:

Verbal Math Analytical Advanced \_\_\_\_\_\_\_\_(Indicate Area)

GPA:

Undergrad\_\_\_\_\_\_\_\_ Grad\_\_\_\_\_\_\_\_

List Honors:

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Previous Education (Institution, Degree, Dates; include a scanned copy of Undergraduate and Graduate Transcripts):

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Research Experience Prior to Cornell, if any:

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List Any Laboratory Rotations Completed at Cornell:

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Current Source of Support: (Teaching Assistantship, GRA, Special Fellowship, Etc.)

Type\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Awarded Through (Date): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Previous Training Grant Support (List Grant And Dates): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Research Accomplishments at Cornell (Brief Description):

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Publications (Include in Press and Submitted Manuscripts):

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Public Presentations and Abstracts:

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Courses Taken at the Chemistry Biology Interface:

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**Research Proposal** (maximum 3 pages, references included): Describe your research plan for the next two years. Begin with a one-paragraph summary of how the proposed research and training qualify for the Chemistry/Biology Interface Training Program (see Mission Statement on cover page). Briefly describe plans for an industrial or academic internship (six weeks minimum) in connection with the project. Also describe how you plan to satisfy the course requirements of the training grant. Chemistry students are expected to satisfy this requirement with biology-rich courses and biology students are expected to satisfy the requirement with chemistry-rich courses.