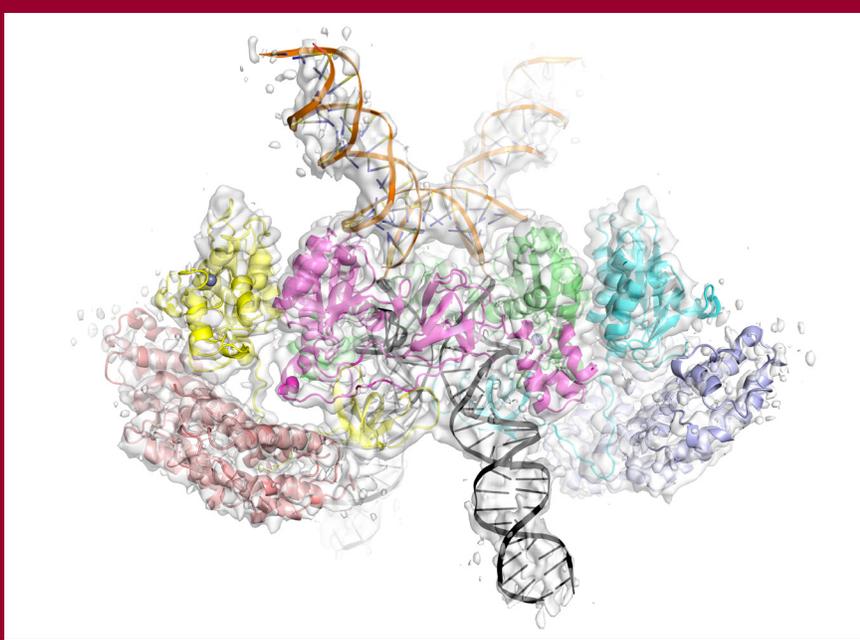


# BIOCHEMISTRY, MOLECULAR BIOLOGY AND BIOPHYSICS

*at the University of Minnesota*



## ABOUT THE PROGRAM

We push the boundaries of science to advance understanding of the fundamental mechanisms of life. As a graduate student in the Biochemistry, Molecular Biology and Biophysics (BMBB) program, you will become part of a supportive community of students, faculty, and staff exploring new frontiers in modern biology. Join us!

## RESEARCH OVERVIEW AND FLEXIBILITY

In the first year, students choose three research rotations from a list of 136 potential faculty mentors spanning 14 departments and seven colleges. After completing the three rotations, students choose a thesis mentor and research topic for their doctoral thesis.

BMBB students pursue research in four broad areas:

- Chemical and structural biology
- Metabolic and systems biology
- Molecular biology
- Synthetic biology and biotechnology

Our students explore diverse research topics including: Cancer, Diabetes, Heart Disease, Virology, Molecular Genetic, Genomics, RNA and DNA Biology, Evolution, Metabolism, Bioinformatics, Immunology, Synthetic Biology, Genome and Protein Engineering, Microbiology, Enzymology, Gene Therapy, Microbiomes, Natural Product Biosynthesis, Proteomics, Cell Signaling, Plant Biology, and Muscle Biology, and Aging

## FINANCIAL SUPPORT

All BMBB graduate students are guaranteed five years of support including tuition, stipend, medical and dental healthcare.

For academic year 2020-21, the annual stipend is \$31,000. Students receive funds for professional development, travel, and moving expenses.

First-year students may also receive fellowships from the Department, College, Graduate School, and University. BMBB students have received competitive fellowships from:

- National Institutes of Health
- National Science Foundation
- American Heart Association
- Howard Hughes Medical Institute
- Department of Defense

## PROGRAM STATS

- 81 Current Graduate Students
  - 14% from Underrepresented Groups
  - 53% Women
- 73 Faculty
- #6 in NIH Funding
- 1,030 Alumni
- 105-Year Training Record
- 5-Year Degree Plan
- 78% Degree Completion

# REASONS TO JOIN BMBB

## YOUR NETWORK STARTS HERE

Build relationships with fellow students and faculty through our unique introductory course at Itasca Biological Research Station within a beautiful state park. Connect through small course sizes, student seminars, annual retreats, and symposia.

## A WELL-PLANNED CURRICULUM

The BMBB Graduate Program Handbook provides students with the information they need to tailor their coursework and navigate their successful progression to a Ph.D., assisted by a team of advisers, support staff, and their faculty mentor.

## STUDENT SUPPORT SERVICES

Dedicated BMBB staff, including two directors of graduate studies and a graduate program coordinator, support, advise, and promote students' success. Additional groups that help recruit, support, retain, and advise a diverse cohort of student scholars include:

- University of Minnesota Graduate School
- Office of Biomedical Graduate Research, Education and Training
- Office of Diversity and Retention
- Minnesota SACNAS Chapter
- Association for Multicultural Scientists

## HEALTH AND WELLNESS RESOURCES

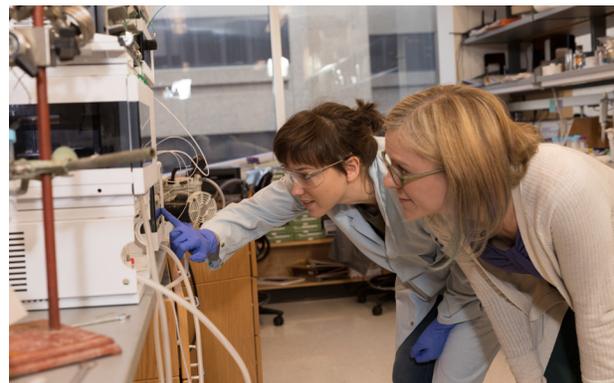
Our students can utilize the University Recreation and Wellness Center, Center for Spirituality and Healing, Boynton Health Services, Aurora Center, Student Counseling Services, and Student Disability Resource Center, among other resources. Healthcare Coverage can be extended to students in the event of a leave of absence.

## WORLD-CLASS FACILITIES

The University has state-of-the-art research facilities that will empower your research including genomics, imaging, structural biology, proteomics, bioinformatics, supercomputing, high throughput screening, and more.

## TWIN CITIES LOCATION

Located in the midst of Minneapolis and St. Paul, you can take advantage of our unique position as a tier-one research university in the heart of a metropolitan environment with a vibrant spectrum of cultures, cuisines, and events. Minnesota offers boundless outdoor recreating among our beloved lakes, rivers, prairies, and forests.



## LAUNCH YOUR CAREER

A degree in BMBB opens doors to rewarding careers in academia, nonprofit and governmental organizations, biotechnology and pharmaceutical industries, healthcare, and other sectors.

Our graduates go on to careers such as:

- Professor
- Director of Research & Development
- Chief Science Officer
- Lawyer
- Senior Scientist
- Product Manager

Our students are empowered to develop their potential by

- Office of Professional Development
- Preparing Future Faculty Program
- Career Consultants

BMBB students receive professional development funds that they use to travel to conferences, workshops, courses across the globe.

## HOW TO APPLY

Visit [cbs.umn.edu/bmbb/graduate](https://cbs.umn.edu/bmbb/graduate) for more information about the program and next steps!

## APPLICATION TIMELINE

Application deadline: December 1  
Recruiting visits in January - February  
Offers made in February for matriculation in August.  
The GRE is NOT used by BMBB

**GET IN TOUCH!** Contact the BMBB graduate program at [bmbb@umn.edu](mailto:bmbb@umn.edu) or **612-625-5179**.