


From: Matt Powell mpowell1@swarthmore.edu 
Subject: Fwd: PhD Program in MB&B at Wesleyan University
Date: November 1, 2023 at 9:34 AM
To:



Subject: PhD Program in MB&B at Wesleyan University
To: Mary Readinger <mreadinger@wesleyan.edu>

Dear Colleagues,

The Molecular Biology and Biochemistry department (MB&B) at Wesleyan University is home to a vibrant community of researchers who study various cellular processes at the molecular level, using approaches ranging from microscopic imaging to X-ray crystallography. Our PhD students benefit from generous NIH and NSF support for instrumentation and other resources rivaling those at larger universities, and a low student to faculty ratio that promotes one-on-one training. Although not required, as a premier liberal arts institution, graduate students have the opportunity to teach and train undergraduate students, honing their teaching skills and enhancing their professional development. Our students graduate ready to enter their chosen fields as emerging leaders.

Training in our department is complemented by strong interactions with two interdisciplinary programs, Molecular Biophysics and Integrative Genomic Sciences, which offer students diverse research training opportunities. Both programs provide a framework for exciting collaborations between the MB&B, Biology, Chemistry, and Physics departments.

PhD students at Wesleyan University are supported by a yearly teaching or research stipend (\$40,932 for 2023/24) and a tuition waiver. Students are also encouraged to present their work at regional and national conferences with department and university support. Application to the PhD program is free. Wesleyan University is an Equal Opportunity Employer and does not discriminate on the basis of race, color, religion, sex, national origin, disability, protected veteran status, or other legally protected status. We welcome applications from women and historically underrepresented groups.

We hope you will share this information and attached flyers with undergraduate students interested in pursuing PhD studies in cellular and molecular biology, biochemistry, and biophysics. We encourage you to further explore our program by inviting one of our faculty members to give a seminar and/or meet with your students at our cost. Faculty interests are given below and further information is available online at https://www.wesleyan.edu/mbb/grad_studies/research_areas.html. Please send queries to Mary Readinger (mreadinger@wesleyan.edu).

Best regards,

Molecular Biology and Biochemistry Graduate Admissions Committee

Wesleyan University

[Research Interests of Wesleyan University MB&B Professors](#)

Candice Etson | Single-molecule biophysics of protein-DNA interactions

Scott Holmes | Molecular genetics of gene silencing in budding yeast

Robert Lane | Gene co-regulation in the developing olfactory system

Amy MacQueen | Meiotic prophase chromosome dynamics

Ishita Mukerji | Spectroscopic studies of protein and nucleic acid structure-function

Donald Oliver | Mechanisms of protein translocation across membranes

Rich Olson | X-ray crystallography and biophysical characterization of proteins involved in infectious disease

Teresita Padilla-Benavides | Transition metals and cell differentiation



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GRADUATE studies in **Molecular Biology and Biochemistry**

DIVERSE research opportunities
ACADEMIC rigor
SMALL classes
INDIVIDUAL attention
SUPPORTIVE community

The Molecular Biology and Biochemistry Department at Wesleyan University offers a research-intensive PhD program with opportunities for specialization in genetics, cellular biology, molecular biology, biochemistry, biophysics, and bioinformatics.

The program currently has 20 students and seven MB&B faculty plus seven associated biophysics program faculty. This low student/faculty ratio ensures personalized research training and

career development.

Active NSF- and NIH-funded research areas include macro-

