Molecular Biosciences Program

The Molecular Biosciences Program offers an interdisciplinary program towards a Doctorate in Philosophy. Students in the MBS program are able to pursue research across department boundaries, before selecting a specific area of study at the end of the first year.

This program allows graduate students to rotate in three different laboratories during their first year, within their chosen area of research. By the end of the first year they must select a research advisor and be formally admitted to a department to conduct a research project leading to the completion of a Doctorate of Philosophy.

This interdisciplinary program brings together departments and research centers across campus: Cell Biology and Neuroscience, Chemical and Biological Engineering, Chemistry and Biochemistry, Earth Sciences, Ecology, Land Resources and Environmental Sciences, Mathematics, Microbiology and Immunology, Plant Sciences and Plant Pathology, Center for Biofilm Engineering, Center for Bioinspired Materials, Computer Science, Pollinator Health Center, and the Thermal Biology Institute to provide students with laboratory instructions to become successful research scientists.

FINANCIAL ASSISTANCE

The Molecular Biosciences Program at Montana State University is offering outstanding students a competitive first year fellowship plus tuition for up to 5 years to fund their Ph.D. graduate education. After the first year graduate students are admitted into their chosen graduate programs and funded by their research advisor.

Molecular Biosciences Program

Haley Dunkel: MBS Coordinator
PO Box 173148
Montana State University
Bozeman, MT 59717-3148
Phone: (406) 994-5777
mbprogram@montana.edu
www.mbprogram.montana.edu

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ADOPTION

Applicants should be prepared to submit the following materials during the online application process: GRE scores (use MSU code of 4488), three letters of recommendation, GPA, research experience and previous coursework, transcripts from all previous universities attended.

Every applicant to MSU is required to complete an application and pay the $60 application fee (US Currency). The fee must be paid before the application will be processed. Only completed applications will be reviewed. Applications submitted to the Molecular Bioscience Program only will be considered for MBSP admission; students interested in particular departments should apply to those directly.

International applicants should read the information on The Graduate School International Application Process webpage for additional information and requirements.

RESEARCH AREAS

Astrobiology | Biofilm Science & Engineering | Cell, Developmental, & Molecular Biology
Bioinformatics, Genomics, Proteomics, Metabolomics | BioInspired Materials
Biomedical Sciences | Biophysics | Chemical Biology | Environmental Microbiology
Ecology and Environmental Sciences | Immunology | Infectious Disease
Life in Extreme Environments | Microbiology | Neuroscience | Plant Sciences | Virology