MEDICAL SCIENTIST TRAINING PROGRAM (MD/PHD)

Overview

The Miller School of Medicine Medical Science Training Program (MD-PhD Program) provides a unique training environment for exceptionally qualified individuals pursuing careers combining medicine and research. The required curriculum comprises the school's outstanding preclinical and clinical training, rigorous Ph.D. graduate training, and several elements, including professional development workshops, clinical case reviews, MSTP symposium, and other activities designed to provide an integrated research/clinical training experience for M.D./Ph.D. students. There has been a long tradition of research excellence and physician-scientist training at the Miller School of Medicine. With the opportunities for basic, translational, and clinical research here, Miami's diverse population and access to Latin America and the Caribbean, the backdrop of a vibrant city, make the Miller School a unique place for physician-scientist training.

PhD Programs

The following doctoral programs, described elsewhere in this bulletin, participate in the MSTP. The MSTP office can provide you with further information about these programs and the research interests of their faculty.

- Biochemistry & Molecular Biology (http://biomed.med.miami.edu/graduate-programs/biochemistry-and-molecular-biology/)
- Biomedical Engineering (https://bulletin.miami.edu/graduate-academic-programs/engineering/biomedical-engineering/biomedical-engineering-phd/)
- Biostatistics (http://www.biostat.med.miami.edu/academics/phd-in-biostatistics/)
- Cancer Biology (http://biomed.med.miami.edu/graduate-programs/cancer-biology/)
- Cellular Physiology and Molecular Biophysics (http://biomed.med.miami.edu/graduate-programs/physiology-and-biophysics/)
- Epidemiology (http://publichealth.med.miami.edu/graduate/academic-programs/phd-in-epidemiology/)
- Human Genetics & Genomics (http://biomed.med.miami.edu/graduate-programs/human-genetics-and-genomics/)
- Microbiology and Immunology (http://biomed.med.miami.edu/graduate-programs/microbiology-and-immunology/)
- Molecular Cell & Developmental Biology (http://biomed.med.miami.edu/graduate-programs/molecular-cell-and-developmental-biology/)
- Molecular and Cellular Pharmacology (http://biomed.med.miami.edu/graduate-programs/molecular-and-cellular-pharmacology/)
- Neuroscience (http://biomed.med.miami.edu/graduate-programs/neuroscience/)
- Prevention Science & Community Health (http://publichealth.med.miami.edu/graduate/academic-programs/phd-in-prevention-science/)

Contact Information

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Admission Requirements

Admission to the MSTP is highly competitive, and interested applicants are advised to apply early in the fall. AMCAS applications must be received by the Medical Admissions Office no later than December 15. Applicants must complete the minimum course requirements (http://admissions.med.miami.edu/md-programs/general-md/prerequisites/)of the M.D. Program to be considered for the MSTP. The Graduate Record Examination (GRE) is not required for matriculation into the MSTP.

Competitive applicants will have the following:

- Completed AMCAS & Secondary Application for MSTP
- Excellent academic record

- Strong MCAT scores
- Significant research experience
- Co-authorship on abstracts and/or peer-reviewed papers is desirable
- Strong letters of recommendation from research mentors and other scientists who can specifically address the applicant's potential as a physician-scientist
- Motivation to pursue a career as a physician-scientist

Applications from under-represented groups, including minorities, individuals with disabilities, and women, are encouraged.

The MD Program Admissions Committee and the MSTP Program Admissions Committee review all MSTP applicants. These evaluations proceed independently, and a student will still be considered for the M.D. program even after an unfavorable review by the MSTP. A successful applicant is granted admission to the M.D. Program and the MSTP.

Full application instructions can be found here (http://mdphd.med.miami.edu/Admissions/).

Curriculum Requirements - Medicine

Code	Title	Credit Hours
MD Degree Requirements		**136**
Refer to the link below for more information on the MD Dual Degree Program requirements.		
https://bulletin.miami.edu/graduate-academic-programs/medicine/md (https://bulletin.miami.edu/graduate-academic-programs/medicine/md/)		
PhD Requirements		**60**
Refer to the links below for specific information on the individual PhD requirements.		
PhD in Biochemistry and Molecular Biology		
https://bulletin.miami.edu/graduate-academic-programs/medicine/biochemistry-molecular-biology/biochemistry-and-molecular-biology-phd (https://bulletin.miami.edu/graduate-academic-programs/medicine/biochemistry-molecular-biology/biochemistry-and-molecular-biology-phd/)		
PhD in Biomedical Engineering		
https://bulletin.miami.edu/graduate-academic-programs/engineering/biomedical-engineering/biomedical-engineering-phd (https://bulletin.miami.edu/graduate-academic-programs/engineering/biomedical-engineering/biomedical-engineering-phd/)		
PhD in Biostatistics		
https://bulletin.miami.edu/graduate-academic-programs/medicine/biostatistics/biostatistics-phd (https://bulletin.miami.edu/graduate-academic-programs/medicine/biostatistics/biostatistics-phd/)		
PhD in Cancer Biology		
https://bulletin.miami.edu/graduate-academic-programs/medicine/cancer-biology/cancer-biology-phd (https://bulletin.miami.edu/graduate-academic-programs/medicine/cancer-biology/cancer-biology-phd/)		
PhD in Cellular Physiology and Molecular Biophysics		
https://bulletin.miami.edu/graduate-academic-programs/medicine/physiology-biophysics/phd (https://bulletin.miami.edu/graduate-academic-programs/medicine/physiology-biophysics/phd/)		
PhD in Epidemiology		
https://bulletin.miami.edu/graduate-academic-programs/medicine/public-health/epidemiology-phd (https://bulletin.miami.edu/graduate-academic-programs/medicine/public-health/epidemiology-phd/)		
PhD in Human Genetics and Genomics		
https://bulletin.miami.edu/graduate-academic-programs/medicine/human-genetics-genomics/human-genetics-and-genomics-phd (https://bulletin.miami.edu/graduate-academic-programs/medicine/human-genetics-genomics/human-genetics-and-genomics-phd/)/		
PhD in Microbiology and Immunology		
https://bulletin.miami.edu/graduate-academic-programs/medicine/microbiology-immunology/microbiology-and-immunology-phd (https://bulletin.miami.edu/graduate-academic-programs/medicine/microbiology-immunology/microbiology-and-immunology-phd/)		
PhD in Molecular and Cellular Pharmacology		
https://bulletin.miami.edu/graduate-academic-programs/medicine/molecular-cellular-pharmacology (https://bulletin.miami.edu/graduate-academic-programs/medicine/molecular-cellular-pharmacology/)		
PhD in Molecular Cell and Developmental Biology		

https://bulletin.miami.edu/graduate-academic-programs/medicine/molecular-cell-developmental-biology (https://bulletin.miami.edu/graduate-academic-programs/medicine/molecular-cell-developmental-biology/)	
PhD in Neuroscience	
https://bulletin.miami.edu/graduate-academic-programs/medicine/neuroscience (https://bulletin.miami.edu/graduate-academic-programs/medicine/neuroscience/)	
PhD in Prevention Science and Community Health	
https://bulletin.miami.edu/graduate-academic-programs/medicine/public-health/prevention-science-community-health-phd (https://bulletin.miami.edu/graduate-academic-programs/medicine/public-health/prevention-science-community-health-phd/)	
Total Credit Hours	**196**