MEDICAL SCIENTIST TRAINING PROGRAM (MD/PHD)

http://mdphd.med.miami.edu/

Overview

The Miller School of Medicine Medical Science Training Program (MD-PhD Program) provides a unique training environment for exceptionally qualified individuals who want to pursue careers in academic medicine and research. The curriculum comprises the school’s outstanding preclinical and clinical training, rigorous PhD graduate training and several elements, including professional development workshops and other activities, specifically designed to enhance the MSTP training experience. There has been a long tradition of research excellence and physician scientist training at the Miller School of Medicine. With the opportunities for basic 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 MSTP 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 (http://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/)
- Epidemiology (http://publichealth.med.miami.edu/graduateacademic-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/)
- Physiology and Biophysics (http://biomed.med.miami.edu/graduate-programs/physiology-and-biophysics/)
- Prevention Science & Community Health (http://publichealth.med.miami.edu/graduateacademic-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 MD 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
Medical Scientist Training Program (MD/PHD)

- 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.

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

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

## Curriculum Requirements - Medicine

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>MD Degree Requirements</td>
<td></td>
<td>149</td>
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<td>Students will complete the full requirements for the MD degree:</td>
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<td><a href="http://bulletin.miami.edu/graduate-academic-programs/medicine/md/#curriculumtext">http://bulletin.miami.edu/graduate-academic-programs/medicine/md/#curriculumtext</a></td>
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<tr>
<td>PhD Requirements</td>
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<tr>
<td>See individual programs for full curriculum.</td>
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<tr>
<td>PhD in Biochemistry and Molecular Biology</td>
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<td>PhD in Biomedical Engineering</td>
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<td>PhD in Biostatistics</td>
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<tr>
<td>PhD in Prevention Science and Community Health</td>
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<td></td>
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<tr>
<td>Total Credit Hours</td>
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<td>209</td>
</tr>
</tbody>
</table>

The following doctoral programs, described elsewhere in this bulletin, participate in the MSTP. Follow the link for each program's curriculum requirements:

- Biomedical Engineering (http://bulletin.miami.edu/graduate-academic-programs/engineering/biomedical-engineering/biomedical-engineering-phd/)
- Biostatistics (http://bulletin.miami.edu/graduate-academic-programs/medicine/biostatistics/biostatistics-phd/#curriculumtext)
- Cancer Biology (http://bulletin.miami.edu/graduate-academic-programs/medicine/cancer-biology/cancer-biology-phd/)
- Epidemiology (http://bulletin.miami.edu/graduate-academic-programs/medicine/public-health/epidemiology-phd/#curriculumtext)
- Human Genetics & Genomics (http://bulletin.miami.edu/graduate-academic-programs/medicine/human-genetics-genomics/human-genetics-and-genomics-phd/)
- Microbiology and Immunology (http://bulletin.miami.edu/graduate-academic-programs/medicine/microbiology-immunology/microbiology-and-immunology-phd/)
- Molecular Cell & Developmental Biology (http://bulletin.miami.edu/graduate-academic-programs/medicine/molecular-cell-developmental-biology/#curriculumtext)
- Molecular and Cellular Pharmacology (http://bulletin.miami.edu/graduate-academic-programs/medicine/molecular-cellular-pharmacology/#curriculumtext)
- Neuroscience (http://bulletin.miami.edu/graduate-academic-programs/medicine/neuroscience/#programplantext)
- Physiology and Biophysics (http://bulletin.miami.edu/graduate-academic-programs/medicine/physiology-biophysics/#curriculumtext)
- Prevention Science & Community Health (http://bulletin.miami.edu/graduate-academic-programs/medicine/public-health/prevention-science-community-health-phd/#curriculumtext)