

IMMUNOLOGY AND MICROBIAL PATHOGENESIS



**Weill Cornell
Medicine**

**Graduate School
of Medical Sciences**

A partnership with the Sloan Kettering Institute

PROGRAM OVERVIEW

The Immunology and Microbial Pathogenesis program offers an unusually broad and rich training ground for the next generation of immunologists.

AREAS OF FOCUS:

Microbial Immunity

Tumor Immunology

Molecular and
Cellular Immunology

Lymphocyte and
Leukocyte Biology

Autoimmunity
and Inflammation

Host-Pathogen
Interactions

Host Commensal
Microbiome

The program's curriculum reflects a commitment to academic independence, with the first-year focus on cell biology in didactic courses in immunology and cell biology with cell and molecular biology and genetics, as well as student-run discussion group. Students may take graduate courses offered by any other WCGS program as well as a course in Microbial Pathogenesis offered jointly with The Rockefeller University. IMP students continue a balanced academic curriculum throughout their thesis research. Mini-courses in advanced immunology with rotating topics ensure that students keep abreast of new developments. Students also organize research-in-progress discussions of their own thesis projects.

Required Courses

- Fundamental Immunology I & II
- Quantitative Understanding in Biology
- Seminars in Immunology
- Immunology Research in Progress
- Advanced Topics in Immunology
- Responsible Conduct of Research (RCR)

Application

All applications and materials can be submitted online at <http://bit.ly/WCGS-Apply>

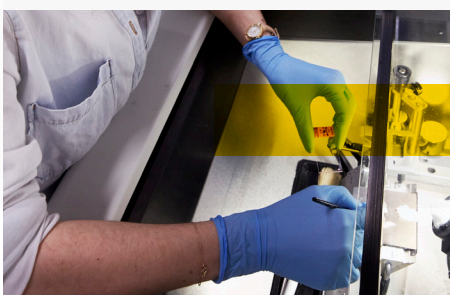


WCGS Overview

- Collaboration of two leading research institutions – Weill Cornell Medicine (WCM) and its affiliate, Hospital for Special Surgery (HSS), and Sloan-Kettering Institute (SKI)
- Over 285 research faculty members, selected for their research excellence and academic mentorship

Why WCGS?

- Location: New York City's Scientific Corridor on the Upper East Side
- Stipend: \$41,000 per academic year, full tuition scholarship and subsidized housing



IMMUNOLOGY AND MICROBIAL PATHOGENESIS

| Timeline | Year 01 | Year 02 | Year 03 | Year 04 | Year 05... |
|---|---------|---------|---------|---------|------------|
| Lab Rotations | ● | | | | |
| Required Courses | ● | ● | | | |
| Graduate Research Seminars | ● | ● | ● | ● | ● |
| Declare Major Sponsor & Special Thesis Committee | | ● | | | |
| Admission to Doctoral Candidacy Examination (ACE) | | ● | | | |
| Develop PhD Thesis & Continue Thesis Research | | ● | ● | ● | ● |
| Advanced Courses & Electives | | ● | ● | ● | ● |
| Meetings with Special Committee | | ● | ● | ● | ● |

Links

For More Information: <http://bit.ly/WC-IMP>

To Apply: <http://bit.ly/WCGS-Apply>

Questions? WCGS-Admissions@med.cornell.edu



Faculty

With more than 30 faculty members, comprised of members of the Weill Cornell Medicine (WCM) and the Sloan-Kettering Institute (SKI, part of Memorial Sloan-Kettering Cancer Center). Some IMP faculty are affiliated with the Hospital for Special Surgery (HSS), a leading rheumatology and orthopedics institute adjacent to and closely affiliated with WCM. The programs has a student/mentor ratio of close to 1 to 1.

Careers

WCGS is greatly focused on student outcomes and postgraduate career opportunities. We regularly host visits and talks by alumni, recruiters and career advisors, to discuss career opportunities and to help you develop the skills you need to succeed when looking towards your next steps. In addition, WCGS sponsors a Career Pathways Seminar series and is a sponsor of the Tri-Institutional Career Symposium and What Can you Be with a PhD? Career Symposium. Graduates typically go on to postdoctoral and research associate positions at top-tier laboratories before embarking on careers in fields such as academia, pharma, biotechnology, consulting, government work, and patent law.



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1300 YORK AVENUE, NEW YORK, NY 10065