

Georgetown University

Center for Infectious Diseases

Ph.D. Program in Global Infectious Diseases



The human cost of Global Infectious Disease and its effect on the global economy and worldwide political stability threatens all human kind at multiple levels. There is a rapidly growing world-wide recognition that science and astute public policy based on historical experience, the social sciences, international law and ethics must intersect more effectively if we are to find solutions to the myriad of problems caused by these diseases. Better integration of emerging infectious disease science concepts into political and social problem-solving is a serious challenge that must be met through interdisciplinary training. Of equal importance is the growing appreciation that infectious disease scientists must become more "policy literate" if they are to contribute more effectively. At Georgetown University, the hybridization and synergy needed for this training are a natural consequence of our excellence in all relevant scholarly categories, our collegiality, our idealism and sense of mission, and the enviable physical proximity of the relevant departments and campuses. The Ph.D. program in Global Infectious Diseases seeks to develop a future generation of scientists that receives interdisciplinary training in science and science policy. This objective occurs through a dynamic curriculum, shared research experiences, internships, and collaborations among faculty at Georgetown College, Medical Center, School of Nursing and Health Sciences, Law Center, and Public Policy Institute.

Courses

List A (All are required, 21 credits):

MICB-515–Biological Threat Agents & Emerging Infectious Diseases (3)
 MICB-612–Immunology (3)
 BCHB-501–Biochemical and Cellular Sciences (4)
 BIST-502–Applied Biostatistics (3)
 MICB-800,801–Interdisciplinary ID Seminar (2 semesters, 4 credits)
 MICB-852–Student seminar (1)
 PPOL-638–International Public Health (3)

List B (At least two, 6-7 credits):

BIST-541–Principles of Epidemiology (3)
 MICB-604–Innovation Systems for Science, Technology & Health (3)
 BIOL-362–Shaping National Science Policy (3)
 MICB-603–Science and Technology in the Global Arena (3)
 MICB-606–Public Policy for Scientists (4)
 PPOL-590–Survey of Population Problems (3)
 INTH-444–Global Patterns of Disease (3)

List C (At least one, 2-3 credits):

BIOL-415–Parasitology (2 credits)
 MICB-521–Integrated Biosurveillance (3 credits)
 MICB-619–Virology (3 credits)
 MICB-629–Mechanisms of Microbial Pathogenesis (3 credits)

List D (One of the following, 3 credits each):

LAW-364–Public Health Law and Ethics
 LAW-369–AIDS Law and Ethics
 PHAR-534–Ethical Issues in Scientific Research

* Elective courses to fulfill a total of 36 credit hours (5-7 credits)

Faculty List

Biology

Peter Armbruster
 Heidi Elmendorf
 Ronda Rolfes
 Steven Singer

Biostatistics

Françoise Seillier-Moiseiwitsch

Microbiology & Immunology

Richard Calderone
 John Casey
 Ronald Cihlar
 Michael Cole
 Paul Cote William Fonzi
 Brent Korba
 Maja Maric
 R. Padmanabhan

Biochemistry and Molecular & Cellular Biology

Elliott Crooke
 Mark Danielson
 Cathy Wu

Chemistry

Angel deDios
 Christian Wolf

Chemistry and Biochemistry & Molecular Biology

Paul Roepe

Imaging Science & Information Systems (ISIS)

David Hartley
 Noele Nelson

Infectious Diseases

Mary Young

International Health

Frank Wong

Oncology

Chris Loffredo

O'Neill Institute for National & Global Health Law

Jeff Collmann

Pathology

Richard Schlegel

Science, Technology & International Affairs (STIA)

Maxine Weinstein

Stipend:

For applicants awarded a stipend in the PhD program, the stipend is \$25,500 for the FY09 fiscal year. An average of 5 students are accepted each year. Thesis research tuition for PhD students is \$5000 per annum and Fellows' tuition and several other fees are covered by the University, in addition to their stipend.

General Qualifications and Prerequisites:

- Minimum undergraduate GPA of 3.0 (on a 4.0 scale) is required, though 3.5 or higher is preferred
- GRE General Test scores of 1300 (combined) or higher for the Verbal and Quantitative sections, and 4.5 or higher on the Analytical Writing section, are preferred
- GRE Subject Test (Biology, Chemistry or Biochemistry, Cell and Molecular Biology) is recommended
- Previous research experience is not required

Application Materials required:

- Application Form
- Non-refundable Application Fee
- Statement of Purpose
- Resume/CV (including publications, if applicable)
- Official Transcripts
- Official Recommendations
- Official Score Report for the GRE General Test
- Official Score Report for the TOEFL/IELTS
- The 500-word academic statement of purpose should describe your academic and professional goals and their fit with the Global Infectious Disease graduate program.

To Apply Online: http://grad.georgetown.edu/pages/apply_online.cfm

West Nile Virus

Contact Info:

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Global Infectious Disease: <http://grad.georgetown.edu/gid/>

Center for Infectious Diseases: <http://cid.georgetown.edu/>

Georgetown Graduate School of Arts & Sciences: <http://grad.georgetown.edu/>