



## PATHOBIOLOGY, PhD

As a discipline, Pathobiology integrates fundamental concepts in biology, medicine, and public health, particularly as applied to infectious diseases of global health importance. The program applies a multidisciplinary approach as well as state of the art research technologies to the study of viral, bacterial and parasitic diseases, as well as other disease processes. By investigating the mechanisms underlying multifactorial diseases, our program emphasizes the preventive as well as the curative, and a broader view of disease etiology. The program applies the research tools of molecular biology, cell biology, immunology, pathology, and genetics to dissect host/pathogen interactions and disease processes to inform vaccine development and therapeutic strategies.

### DEGREES AND/OR CERTIFICATE OFFERED

**PhD:** Pathobiology

**Concurrent Degree:** PhD/MD

### APPLICANT QUALIFICATIONS

It is highly desirable that applicants have laboratory experience and have completed course work in biology, microbiology, immunology, biochemistry, and molecular and cellular biology.

### ADMISSIONS

Applications may be submitted at:  
<https://grad.uw.edu/admissions/apply-now/>. Applicants submit resume or CV, Statement of Purpose, three recommendation letters, and transcripts. International applicants may need to submit TOEFL scores.

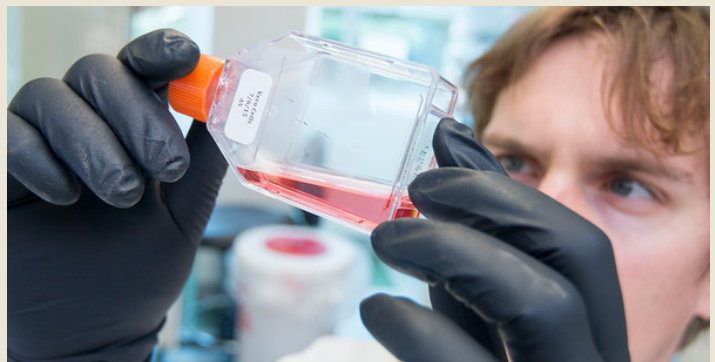
**APPLICATION DEADLINE: December 1**

### CONTACT INFORMATION

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<https://globalhealth.washington.edu/phd-pathobiology>



### ACADEMIC/PROFESSIONAL OPPORTUNITIES

During graduate school previous students have gained experience in research focused on:

- Pathogens with relevance to global health
- Infectious contributors to chronic diseases
- Diseases impacting maternal and child health
- Global health issues
- Novel methods for intervention
- Protective and dysfunctional immune responses
- Tools for vaccine development
- Identification of biomarkers

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