Diversity and Inclusion

D&I at the School of Medicine

Diversity is an integral part of the graduate programs at the Johns Hopkins University School of Medicine. Many students across various disciplines work together to honor and improve diversity and inclusion by taking part and leading in the following student groups:

- The Biomedical Scholars Association (BSA) (https://www.hopkinsmedicine.org/som/education-programs/graduate-programs/student-life/student-groups/)
- The Gertrude Stein Society (GSS) (https://gssjohnshopkins.wordpress.com/)
- The Graduate Women’s Empowerment Network (GWEN) (https://gwen.johnshopkins.edu/)
- Native Circle (https://caih.jhu.edu/training/scholars/category/native-circle/)
- The Society for the Advancement of Chicanos/Hispanics and Native Americans in Science (SACNAS) (https://www.sacnas.org/)

Learn more about diversity (https://www.hopkinsmedicine.org/som/education-programs/graduate-programs/diversity/) at the Johns Hopkins University School of Medicine.

D&I in the Graduate Program in Immunology

It has become abundantly clear that a diverse and inclusive research environment improves research quality. In the GPI, we are dedicated to working as a team to identify and tackle implicit biases, honor the diversity and culture we bring to our institution, and work toward a more inclusive environment for all.

Here’s how we are taking action:

Dedicated Leaders

In the Fall of 2020, the Graduate Program in Immunology created a new student leadership position dedicated to promoting diversity and inclusion in the program.

Workshops

Our diversity leaders organize workshops meant to bring awareness to issues related to diversity and inclusion, teach us how to be better allies for our community and promote a positive learning environment for everyone.

Advocacy

Student diversity leaders liaise with program administration and other student groups to build towards a more inclusive environment.

Financial Support:

Students accepted into the program will have their tuition, fees, and medical insurance (including dental and vision) paid. Students will receive a competitive stipend to cover living expenses. Support for the Graduate Program in Immunology is derived from government and private sources.

Fellowships

We are very much interested in attracting talented students from other countries to our program. However, there are some practical issues that you should be aware of before applying. We have a limited ability to support students who are not citizens or permanent residents of the United States. Our training program is funded by a training grant from the United States government. This grant will only support US citizens or permanent residents. Only very rarely do we have funds that can be used to support citizens of other countries.

We highly recommend that foreign applicants seek other possible means of supporting the cost of graduate study. Support could come from: (a) a scholarship from your government or (b) from a “special” foundation award. In your application, please discuss the possibility of obtaining support from one of these sources. Final admission to the program requires documentation that the appropriate financial resources are available. We highly recommend that you review the NAFSA: Association of International Educators website at www.nafsa.org. NAFSA does not offer financial assistance but will offer some suggestions to help your search for financial aid for study in the United States.

Acceptance into the Graduate Program in Immunology is dependent on an invited personal interview. Foreign applicants, on invitation, should be prepared to travel to Baltimore, Maryland at their own expense. Once
in Baltimore, the program will pay for local transportation, meals and accommodations.

Vivien Thomas Scholars Initiative

Vivien Thomas PhD Scholars

The Vivien Thomas Scholars Initiative (VTSI) is a new endowed fellowship program at Johns Hopkins for PhD students in STEM fields. It provides full tuition, stipend, and benefits while also providing targeted mentoring, networking, community, and professional development opportunities. Students who have attended a historically black college and university (HBCU) or other minority serving institution (MSI) for undergraduate study are eligible to apply. More information about the VTSI program is available at this link:

https://provost.jhu.edu/about/vivien-thomas-scholars-initiative/

Admission Requirements

Undergraduate Degree

Candidates for admission should hold a bachelor’s degree or higher with training in one of the following, or related, areas:
- General Biology
- Biochemistry
- Physics
- Calculus
- Organic/Inorganic Chemistry

Courses in Immunology, Biochemistry & Molecular Biology are recommended, but not required.

Transcripts

Transcripts of all college and university study (undergraduate and graduate) are required and must be uploaded to the application. If you have attended more than one institution, transcripts from each institution must be received for your application to be considered complete.

International transcripts must be officially translated into English. If you have not yet completed your Bachelor's degree, upload a copy of your current transcript, showing in-progress courses. Official transcripts for in-progress courses can be uploaded to the online application in the Transcript Upload section when they become available, after you submit.

Applicants should also upload a list of any current courses, and courses that will be taken before beginning graduate study that do not appear on their transcripts. Do not mail documents to the Office of Graduate Student Affairs unless requested or admitted.

If admitted, an official transcript from each institution you have attended showing proof of graduation and degree conferral will be required prior to matriculation. To be considered official, final transcripts must be sent: 1) by mail, directly from the institution in a sealed envelope:

Office of Graduate Biomedical Education

1830 E. Monument Street, Suite 620 (https://www.google.com/maps/search/1830+E.+Monument+Street,+Suite+620+%0D%0A+MD) Baltimore, MD 21287 | (410) 516-1628

If your institution is sending an E-transcript, please make sure they are sending the notifications to: Gradadmissions@jhmi.edu

Letters of Recommendation

Three letters of recommendation must be submitted through the online recommendation system. Applicants will need to obtain the name and email address of the recommenders when completing the application. Please request your letters of recommendation from faculty members or other professionals who are acquainted with you and your academic work. These letters should comment on your aptitude and promise for independent research.

GRE (no longer required for admission)

As of October 2019, The Graduate Program in Immunology will no longer require the Graduate Record Exam (GRE) for admission.

TOEFL Scores (Test of English as a Foreign Language) and IELTS (International English Language Testing System)

All levels of graduate education at Johns Hopkins require proficiency in the English language. It is highly recommended that applicants for whom English is a second language take the TOEFL/JIELTS to demonstrate this proficiency. In general, foreign students admitted to the Graduate Program in Immunology have achieved TOEFL scores over 550. You are exempt from having to take the TOEFL/JIELTS if you hold a degree from a U.S. University/College or have attended a minimum of 2 years at an English speaking University/College. TOEFL/JIELTS scores are valid for 2 years from expected entrance date.

Please use the Johns Hopkins School of Medicine code (5316) when submitting scores.

Application Fee

Application fee is $115.

Criminal Background Check

All Johns Hopkins University graduate students who are accepted will be subject to criminal background investigations. Generally, all offers of admission to School of Medicine degree programs will be conditioned on satisfactory criminal background investigations.

Program Requirements

In the first year of study, each student takes a core set of courses emphasizing basic molecular principles and how they apply to understanding immune function.

Required Coursework

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<tr>
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<td>Cell Structure and Dynamics</td>
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<td>Immunology Course Discussion</td>
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<td>Molecular Biology and Genetics Research</td>
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<td>ME.100.716</td>
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<tr>
<td>ME.110.733</td>
<td>Principles of Genetics</td>
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Laboratory Rotations
During the first year, each student engages in three short-term research projects. Each project lasts approximately three months and is carried out under the direction of a faculty member. Additional rotations may be scheduled based on student interest. The projects are designed to give you an introduction to experimental research and an opportunity to learn more about specific areas of immunology prior to choosing a thesis laboratory and project. After completing the research rotations, the student will select a mentor for their thesis project.

2nd Year
Elective Courses
Students are required to take five elective courses prior to graduation. Students can begin taking courses in the spring of their first year, but most students opt to start in their second year. There are many available advanced level graduate courses offered in the School of Medicine, Bloomberg School of Public Health, and the Kreiger School of Arts and Sciences. The Immunology Program specifically offers several courses, including Tumor Immunology and Immunotherapy, Immunometabolism, Translational Immunology, HIV Biology and more. Many of these courses utilize small group discussions, in which students read and discuss current and seminal research papers on the selected topic.

Oral Examination
In the fall of the second year of study, trainees will take the Graduate Board Oral Examination. By the time the students take this exam, they will have successfully completed all required coursework. This examination serves as a means of evaluating the student’s cumulative knowledge in biochemistry, cellular and molecular biology, biophysics, genetics, and immunology and their preparedness to carry out research for the Ph.D. degree. The exam may cover the student’s proposed dissertation topic, but this is not the focus of the exam.

Formation of Thesis Committee
In the spring of the second year of study, students will bring together 4-5 faculty members, including their mentor, to serve as their thesis advisory committee. The purpose of the thesis committee is to help the student move their research forward, provide networking opportunities and career development advice and to ensure the student successfully completes their degree. At the initial meeting, the student will prepare a written research proposal in the form of an NIH grant.

3rd Year and Beyond
Elective Courses
Students are required to take five elective courses prior to graduation. Students can begin taking courses in the spring of their first year, but most students opt to start in their second year. There are many available advanced level graduate courses offered in the School of Medicine, Bloomberg School of Public Health, and the Kreiger School of Arts and Sciences. The Immunology Program specifically offers several courses, including Tumor Immunology and Immunotherapy, Immunometabolism, Translational Immunology, HIV Biology and more. Many of these courses utilize small group discussions, in which students read and discuss current and seminal research papers on the selected topic.

Thesis Meetings
Students are required to have at least ONE thesis meeting per year, but are welcome to have more if desired. At each committee meeting, the student should present their research work, roughly following the format of the written proposal. The discussion can be, and often is, open-ended in nature. The student should be prepared to discuss:
1. Background and significance
2. Specific goals of the research (specific aims)
3. Work accomplished to date, including pertinent experiments that “did not work”
4. Future experiments (long and short term)

Thesis and Final Seminar
Upon completion of the thesis research, each student must prepare a formal written thesis, based on the guidelines provided by the Graduate Board of the University. Two readers must find the written thesis acceptable: the thesis advisor and another member of the Thesis Advisory Committee. Students must also present a formal public seminar on their research. The program office will schedule the final seminar. All University guidelines for thesis preparation must be met. More detailed information on this process is available in the program office.

Required Program Events
The Graduate Program in Immunology offers a wide range of activities that serve to enrich the training experience. All students are required to participate in the program activities throughout their graduate career and this is a vital aspect of the training program.

Journal Club
Immunology Journal Club is intended to provide all graduate students in the Graduate Immunology Program the habit of reading a diverse range of immunology journal articles early in their graduate careers. Presenters are generally encouraged to present new developments and findings that are less related to their research focus. This will allow participants to explore new areas of immunology, familiarize themselves with key investigators in the immunology field, and to develop sharp and valid criticism of sound experiments. This is an invaluable opportunity to keep abreast of new advances as well as hone one’s presentation skills in an informal setting.

Annual Immunology Retreat
The Graduate Program in Immunology holds an annual fall retreat. This is a one-day activity at an off-site location. The day includes poster presentations by all Immunology trainees (3rd year and above), a series of 5-6 short student oral presentations (4th years), and a keynote address by a distinguished invited speaker. This meeting provides students with an excellent opportunity to hone presentation skills in an informal retreat setting.

Immunology Floor Meeting
Students and faculty of the Graduate Program in Immunology gather regularly on Thursdays for the “Immunology Floor Meeting.” At these meetings, two speakers from different labs will each give a 30 minute presentation on their research in progress. These presentations are designed to allow for the exchange of ideas in an informal atmosphere. The idea is to have people present, as if they were presenting at lab meeting, so we can exchange ideas at the frontier of our research. These are not to be highly polished presentations but a description of your project as it stands, with people encouraged to talk not just about exciting new results, but also about difficulties, troubleshooting, new techniques being attempted, ideas, etc. The speakers can be graduate students, post-docs, or even faculty members, and we hope the venue will be an excellent opportunity for honing our speaking skills.

Immunology Forum
Students are required to attend the Johns Hopkins Immunology Forum that is scheduled regularly on Tuesdays at 12:30PM. As an added bonus for the students, we provide lunch for the speaker and the students on Forum days. Seminar speakers come from various institutions in the United States and abroad and meet with faculty and trainees.
Immunology students are given the opportunity to invite several speakers each year. On this date, the students extend the invitation, organize the schedule, and take them to dinner. The seminar coordinator will assist in this. Collectively these activities provide a powerful training opportunity, allowing trainees to not only hear an interesting seminar, but also to develop the skills and confidence enabling them to enter into scientific dialogue with a gifted scientist.