

**The Johns Hopkins Vaccine Initiative**  
Johns Hopkins Bloomberg School of Public Health

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**PAVE Internship Announcement, 2019**

1. Eligibility
  2. Contact Information
  3. Requirements
  4. Projects
  5. Application
  6. Funding
  7. Selection of Scholars
  8. Timeline
  9. Frequently Asked Questions (FAQs)
- 

The Program in Applied Vaccine Experiences (**PAVE**) is funded by the Bill and Melinda Gates Foundation, the Johns Hopkins Vaccine Initiative (JHVI), and the Department of International Health in the Bloomberg School of Public Health. The objective of the PAVE Scholars Program is to allow JHSPH graduate students to work with mentors at the World Health Organization (WHO), the Pan American Health Organization (PAHO), Gavi (The Vaccine Alliance), Unicef, or the Global Immunization Division (GID) at the Center for Global Health, CDC to gain experience in vaccine research, policy, and programs of global importance. 4-6 internships will be offered for the fall of the 2019-2020 academic year.

**1. Eligibility**

PAVE Internships are restricted to master's and doctoral students in good standing who will be enrolled at the Johns Hopkins Bloomberg School of Public Health in 2019-2020 and who will have completed at least one year of coursework by the time the internship begins in August/September. Preference will be given to students who will have completed three terms of biostatistics, one term of epidemiology and one or more vaccine courses prior to starting their internships.

Applicants must anticipate enrollment during T1-T2 of the 2019-2020 academic year.

Awards will be announced in April 2019 and internships are anticipated to begin in August/September 2019.

**2. Contact Information:**

For logistical questions: Ms. Wendy Twilley: [wtwille1@jhu.edu](mailto:wtwille1@jhu.edu)

For questions related to internship content or eligibility: Dr. Jessica Atwell: [jatwell@jhu.edu](mailto:jatwell@jhu.edu)

**3. Requirements**

- Internships will begin in late August/September and will last 3-4 months. In rare instances, internships may extend beyond four months if desired by the PAVE scholar and mentor; however, no additional stipend is available.
- PAVE Scholars are required to arrange all transportation and accommodation for the internship.

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### Johns Hopkins Bloomberg School of Public Health

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- PAVE Scholars are required to submit a summary report of the internship experience in the spring following the internship. In most instances, essays written in fulfillment of degree requirements will also satisfy this requirement.
- PAVE Scholars will present their work to internship mentors before returning home from their internship and to students and faculty at the Johns Hopkins Bloomberg School of Public Health in the spring following the internship.
- PAVE Scholars are required to submit 3-5 high-resolution digital photographs to be used by JHVI to promote the PAVE Scholars Program. Photo credits will be attributed to the student.
- PAVE Scholars who are unable to begin the internship must immediately return all funds to JHVI.

#### 4. Projects

JHVI, in collaboration with WHO, GAVI, PAHO, Unicef and CDC, will arrange internships on vaccine-related topics of global importance that will provide opportunities for students to apply skills acquired at JHSPH. However, it is essential that JHVI and organizational mentors have the flexibility to adjust internships to respond to critical or emerging public health needs. Following the identification of PAVE Scholars, JHVI will assign internships based on student interest and experience and mentor programmatic needs.

Specific projects will vary but might include analytic work or systematic reviews that contribute to the development of global immunization policy recommendations or the strengthening of national decision-making processes for immunization, or on issues related to vaccine delivery, demand, financing, or safety monitoring, new vaccine introduction, or vaccine preventable disease surveillance.

#### 5. Application

Application forms will be available through the Department of International Health Website here:

<http://www.jhsph.edu/departments/international-health/current-students/Program-in-Applied-Vaccine-Experiences-PAVE/>

All application materials and recommendations are due no later than Thursday, February 7, 2019 at 5:00pm. Electronic applications are required and should be submitted to [wtwille1@jhu.edu](mailto:wtwille1@jhu.edu). Please contact Wendy Twilley if you have any questions about the submission of your application.

PAVE applicants must be available for an interview with the PAVE selection committee in Baltimore during late February 2019.

#### Please submit each of the following documents

- Application (PDF)
- Recommendation letters (2)
- CV
- Unofficial transcript
- Personal statement

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## The Johns Hopkins Vaccine Initiative

### Johns Hopkins Bloomberg School of Public Health

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- Application should be downloaded from the website and completed as a PDF document.
- Recommendation letter should be downloaded from the website and sent to recommenders. Recommendations should include the scoring sheet and a 1-page recommendation. Recommendations should be submitted directly to Ms. Wendy Twilley [wtwille1@jhu.edu](mailto:wtwille1@jhu.edu)
- Unofficial transcript can be downloaded from SIS and submitted. Do not use a screen capture or screen shot.
- Personal Statement: Write a 1-2 page statement outlining your research and work experiences as well and indicating how your career would benefit from a PAVE internship.

#### 6. Funding

Students will receive a stipend that is dependent on duration and the cost of living in your location. These funds are to be used for accommodation, local transportation, and expenses during the internship. PAVE Scholars working in the US (at CDC in Atlanta or PAHO in Washington D.C.) will receive \$2500/month. PAVE Scholars at UNICEF in New York City will receive \$3000/month. PAVE Scholars working in Geneva (at WHO or Gavi) will receive \$3500/month. Internships will be 3 to 4 months in length, with a 3-month minimum. The length of the internship will be determined through discussion between the student, the mentor, and the program coordinator. In rare instances, internships may extend beyond four months if desired by the PAVE scholar and mentor; however, no additional stipend is available.

In addition to the monthly stipend, the program will provide funding for the equivalent cost of one round trip flight from Baltimore to the internship site (Geneva, Switzerland for WHO and Gavi; Atlanta, Georgia for CDC) or the cost of a round trip train ticket to DC or New York City (for PAHO and Unicef) if needed. Note: If there are opportunities for work-related travel during the internship, unfortunately those costs cannot be covered by PAVE.

#### 7. Selection of Scholars

PAVE Scholars will be selected based on the following factors:

- Educational Background & Performance
- Personal Statement
- Recommendations
- Interview

#### 8. Timeline

Student applications due (*early February 2019*)

Selected candidates interviewed (*mid February 2019*)

Finalists notified (*March 2019*)

PAVE Scholars announced (*by April 2019*)

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PAVE internships (*3-4 months weeks beginning in August/Sept 2019*)

JHSPH presentation, essay, and photos (*Spring 2020*)

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### 9. Frequently Asked Questions

#### Who can apply?

Johns Hopkins Bloomberg School of Public Health master's and doctoral students in good standing who will have completed at least one year of coursework by the time the internship begins in August/September are eligible to apply. As noted above, preference will be given to students who will have completed three terms of biostatistics, one term of epidemiology and one or more vaccine courses prior to starting their internships. Applicants must be enrolled at JHSPH during T1-T2 of the 2019-2020 academic year. Graduates are not eligible.

#### When will awards be announced?

Awards will be announced by April and internships are anticipated to begin in August/September 2019.

#### How many internships will be funded in 2018?

Approximately five internships will be awarded for the 2019-2020 academic year.

#### What is the process for applying to the PAVE Scholars Program?

Students interested in PAVE should submit an application, a CV, an unofficial transcript and personal statement. Recommendation letters should be submitted directly Ms. Wendy Twilley ([wtwille1@jhu.edu](mailto:wtwille1@jhu.edu)).

All documents should be submitted by **Thursday, February 7th, 2019 at 5:00pm**. Early submission is welcomed and encouraged.

Interviews of selected candidates will be scheduled in late February 2019. Finalists will be contacted in March 2019 and may be asked to complete additional organization-specific documents, and/or to agree to interviews by phone or Skype with organizational representatives. PAVE Scholars will be announced in April 2019.

#### What are the coursework minimum requirements for applicants?

Students must be enrolled in a graduate program at the Johns Hopkins Bloomberg School of Public Health during the internship and must have completed at least one year of the program prior to the start of the internship. Three terms of biostatistics and one term of epidemiology are highly preferred, as is enrollment in one or more courses in vaccine sciences (see below). Please contact us if you have any questions about these requirements.

#### What are the vaccine courses at JHSPH?

- 223.662.01 Vaccine Development and Application  
Instructors: Ruth Karron, Laura Hammitt, Jessica Atwell
- 223.687.01 Vaccine Policy Issues  
Instructor: Daniel Salmon

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### Johns Hopkins Bloomberg School of Public Health

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- 223.689.01 Biologic Basis of Vaccine Development  
Instructors: Anna Durbin, Jay Bream
- 223.705.81 Clinical Vaccine Trials and Good Clinical Practice  
Instructor: Karen Charron
- 223.867.01 Special Topics in Vaccine Science Seminar  
Instructor: Anna Durbin

#### **What is considered good standing?**

Students are considered in good standing as long as they are not on academic probation; however, demonstration of academic excellence is one criterion used in the evaluation of PAVE candidates.

#### **How long will the internship last?**

Internships will begin in August/September and will last 3 or 4 months. In rare instances, internships may extend beyond 4 months if desired by the PAVE scholar and internship mentors; however, no additional stipend is available. Students should only apply for the internship if they will be available for at least three months at the sponsoring agency.

#### **Can I ask my advisor to write a recommendation letter?**

Yes, your advisor may write one of your recommendation letters.

#### **What should I include in the Relevant Professional/International Experience section of the application?**

You should include any international volunteer or work experiences, any research or public health experiences, and any relevant experience gained while enrolled at JHSPH.

#### **Do I need language skills in order to apply for the internship?**

Some WHO IVB and Gavi internships have included a working knowledge of French and/or other languages as a desirable skill; however, this is not an absolute requirement for any internships. Some of the PAHO internships may require fluency in Spanish. Please include information regarding basic, intermediate or advanced language skills on your application.

#### **How will I be assigned a project?**

JHVI and the internship organizations will make every effort to match selected candidates with an internship that most closely matches their interests and skills. Projects may vary from those described on the JHVI website, depending upon the student's interests and skills and the needs of each mentor. Examples of potential projects for 2019 are posted on the website.

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### Johns Hopkins Bloomberg School of Public Health

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#### **What if I am selected for the program but I am not able to participate?**

PAVE Scholars selected but who are unable to participate are required to return any disbursed funds to JHVI. Please notify [wtwille1@jhu.edu](mailto:wtwille1@jhu.edu) as early as possible in order to facilitate selection of an alternate candidate.

#### **What are the requirements for the essay after returning to JHSPH?**

All students are required to submit a written summary of their internship project. Essays written in fulfillment of degree requirements will also satisfy this requirement (e.g. MSPH essays).

#### **What are the requirements for the JHSPH presentation?**

All students are required to develop 15-20 minute presentations describing their internship project, to be given in the spring at JHSPH following the internship.

#### **I plan on graduating from the program prior to September 2019. May I still participate in the internship?**

No. Only graduate students who are enrolled during T1-T2 of 2019-2020 are eligible to apply.

#### **Is this a full-time internship?**

This internship is full-time during the entire internship period (3 to 4 months).