Opportunities Week of November 22, 2019

**Master of Medical Sciences (MMSc) in Immunology at Harvard Medical School:** The goal of the MMSc Immunology program is to provide a solid, instructional and research-based foundation in both basic and clinical immunology. The program would be a great opportunity for students with a strong undergraduate biology background and an interest in medicine who are seeking deeper knowledge of immunology or biomedical research. Many of the MMSc Immunology program graduates are continuing their education in pursuit of PhDs, DMDs, and MDs at schools such as Harvard Medical School, Harvard School of Dental Medicine, Mayo Clinic School of Medicine, Weill Cornell Medicine, Vanderbilt University School of Medicine, University of Chicago, among many others. Other graduates have accepted positions as faculty, clinical residents or fellows, data scientists, researchers, and consultants. **Application Deadline is May 1, 2020 for US residents and April 15, 2020 for international students**
For more info, see attached flyer. To apply, visit http://mmscimmunology.hms.harvard.edu/admissions/index.html

**Online SPN 503 Spanish for Medical Professions Course this Winter:** LL is offering this Winter Session an online MA course on Medical Spanish that is also open for undergraduate students. Major issues related to the general structure of the Spanish language. The Spanish for Medical Professionals course is designed for healthcare providers or those working in a related area, such as medical technology or social work in the healthcare field. Open for undergraduates with special permission.
For more info, see attached flyer.

**SSRP-AMGEN Scholars Program at Stanford University:** The SSRP-Amgen Scholars Program is a fully-funded research-intensive residential program that takes place on Stanford’s beautiful campus for a nine-week period. Participants are matched with a member of Stanford’s distinguished faculty and work in one of our state-of-the-art research facilities. Each participant works with both a faculty member and a lab mentor to craft a research project. The lab environment provides challenging projects and involves a broad range of research techniques that are feasible within the nine-week period. The program culminates with a research symposium, where students present individual talks and posters on their summer projects in front of their peers, faculty, lab mentors, University administrators, and general public. **For more info, see attached brochure, and visit** https://biosciences.stanford.edu/wp-content/uploads/2019/10/2019-SSRP-Brochure.pdf

**Lloyd Noble Scholars: Summer Internship:** The Lloyd Noble Scholars in Plant Science program is funded in part by Noble Research Institute and the National Science Foundation. This program offers the opportunity to conduct plant science in a real-world laboratory setting with some of the profession's greatest minds. The Noble Research Institute boasts more than 90 Ph.D. scientists from 25 countries. They perform cutting-edge plant science research – research that holds the potential to impact global agriculture, influence animal and human health, and create alternative energy sources. The Lloyd Noble Scholars in Plant Science program is more than just an internship; it's a chance to conduct actual research. It's an opportunity to explore endless scientific possibilities. It's a chance to discover your future. **For more info, visit** https://www.noble.org/education/scholar-program/research-scholars/

*Disclaimer: Undergraduate Biology does not endorse or take responsibility for any off-campus programs listed in Opportunities emails. While we do our best to vet any opportunity that is shared, please let us know immediately if you are suspicious of any employers/programs.*
SSRP PARTICIPANTS SAY

“I expected to learn a lot from my research experience, to gain some guidance for my grad school applications, and to explore the Bay Area a little bit. SSRP definitely met and exceeded those expectations. Even though I was only at Stanford for 9 weeks, I felt like I learned more than just another field of research, but also how to plan experiments and troubleshoot like a scientist. I also didn’t expect that I would gain more confidence in presentations and learn so much about careers in science and different opportunities with a PhD.”

“The camaraderie between program participants was something special, an organic friendship that was made all the stronger by the situation. Everything about this program was better than I had hoped.”

“Overall, it has been the most formative and edifying research experience in my academic career.”

“Best summer experience ever.”
**ELIGIBILITY**

- U.S. citizens, permanent residents, or students under DACA
- Undergraduate students enrolled in 4-year universities in the U.S., Puerto Rico or other U.S. territories.
- Sophomores (with 4 quarters or 3 semesters of college experience), juniors, or non-graduating seniors.
- A cumulative GPA of 3.2 or above.
- Past Amgen Scholars are not eligible.

**WHO SHOULD APPLY**

- Students with an interest in research and the pursuit of a PhD. In exceptional cases, those interested in the MD/PhD will be considered.
- Students who, by reason of their culture, class, race, ethnicity, background, work and life experiences, and/or skills and interests, would bring diversity to graduate study in the biomedical and biological sciences.
- Students from groups underrepresented in the sciences (i.e., African Americans, Hispanic/Latino Americans, Native Americans, and Pacific Islanders) are strongly encouraged to apply.
- Past research experience is a plus, but not required.

**APPLICATION PROCESS**

All application materials must be submitted online. Find the application at [http://ssrp.stanford.edu](http://ssrp.stanford.edu).

Application requirements include:
- Statement of Purpose
- Two (2) Letters of Recommendation
- Unofficial College Transcripts
- Application available in early November
- Applications due February 1st
PROGRAM DESCRIPTION
The Master of Medical Sciences in Immunology is a two-year full-time program with two primary goals:

1. To give students a solid foundation in basic and clinical immunology in order to better understand how a new revolution is occurring in the treatment of numerous diseases and conditions including immunodeficiencies, allergies, chronic inflammatory diseases, transplantation and cancer.

2. To provide students with comprehensive tools and protected time to engage in mentored research on important issues in either basic or clinical immunology depending on their inclinations. This will entail working with leading Harvard faculty and will culminate in a Master’s thesis.

ELIGIBILITY
The HMS MMSc Immunology degree program is open to individuals with a Bachelor’s degree with a strong background in biology and an interest in immunology or biomedical research, as well as to individuals who already possess a medical degree, such as an MD, DO, or MBBS, or to individuals who have a degree in a health professions-related field.

CURRICULUM
Year One
- MCB 169: Molecular and Cellular Immunology
- IMM 201: Advanced Topics in Immunology
- IMM 202: Immune and Inflammatory Diseases
- IMM 701: Methods in Basic and Clinical Immunology
- IMM 703: Deconstructing Immunology Presentations
- 1-2 Electives

Year Two
- IMM 711: Mentored Research in Immunology during which students will primarily be devoted to
  - Completing their mentored research
  - Analyzing their data
  - Writing their results and defending their thesis

HOW TO APPLY
The application for Fall 2020 admissions will be posted to the MMSc Immunology website on November 1. Applicants must submit the following:

- Online MMSc-IMM Application
- Personal Statement
- Curriculum Vitae
- Three letters of recommendation
- Official Transcript(s)
- GRE or MCAT score
- TOEFL or IELTS (required only for applicants for whom English was not the medium of instruction for their undergraduate or graduate degree)

FOR MORE INFORMATION
mmsc_imm@hms.harvard.edu
617.432.7545
mmscimmunology.hms.harvard.edu
The Spanish for Medical Professionals course is designed for healthcare providers or those working in a related area, such as medical technology or social work in the healthcare field.

The course provides a review of the relevant grammatical structures and presents the fundamental medical vocabulary and the contexts in which it is used, as well as an overview of the cultural and social aspects of providing healthcare to the Spanish-speaking population. The course includes grammar and vocabulary practice, reading and writing activities, interactive assignments and discussions of assigned readings.

This course will be delivered entirely online through the course management system Blackboard.

For questions, please contact Dr. Elena Davidiak at elena.davidiak@stonybrook.edu