Program Dates
June 26- August 5, 2016

Language
English

Open to non-GU students
Yes

Requirements
Human biology (HSCI 101) or Introductory Biology (BIOL 103), Molecular and Cellular Fundamentals of Health and Disease (HSCI-310) or equivalent. A minimum GPA of 3.0 is required to apply to the program. Previous research lab experience is highly desirable.

Tuition and Fees
The program cost for summer 2016 is $9,800. Program fees include tuition, academic fees, room and board (12 meals per week), program excursions/activities and supplemental insurance. Transportation to/from Israel, additional meals, and other personal expenses are not included in this cost.

Application Deadlines
December 3, 2015 and February 4, 2016

Academics
This six-credit course is designed to introduce undergraduate science major students to the wealth of genetic information available in the public domain following the completion of the human genome project. The course will emphasize the Epidemiology of Genetic diseases, discern between different communities and ethnic backgrounds in a population on their perception of genetics and will relate this information to the concept of precision (personalized) medicine.

Students will participate and gain hands-on experience in ongoing exciting research projects related to genetics of common and rare diseases, stem cell research, cancer genetics, epigenetics, diagnostics and disease risk evaluations within the unique and diverse population in Israel. Students will be guided in reviewing how to evaluate the scientific literature. The classroom and bench research will be supplemented with visits to different communities with different approaches to genetic information. Students will attend an international conference on Genetics and Ethics (www.foundergenomics.com) for 1 day.

Lectures by the two course instructors will primarily be conducted during weeks 1-2. Additional classroom activities pertaining to students research projects and journal club will occur weeks 3-6. Lectures will be supplemented by local experts, approximately 15% of lectures will be by local experts. Students will spend weeks 3-6 remaining time working at their Laboratory site and researching their final project, as well in individual meetings with their principal investigator and instructor.

Students will earn credit for a 6-credit (HSCI-371) class that can count toward their major, minor or certificate requirements.

The course is taught by Georgetown University professors and therefore grades transfer and are calculated into the students' overall GPA. Non-Georgetown University students receive a Georgetown University transcript reporting courses taken during the program and grades earned.

Program Description
The Genetics, Health, and Society in Israel program is hosted by the Sheba Medical Center at Tel Hashomer, the most comprehensive medical center in the Middle East with 150 departments and clinics, 7,500 healthcare professionals and scientists, including 1,400 doctors and 2,600 nurses.

The medical center is one of only two medical centers in Israel with US Department of Health Federal Wide Assurance (FWA) designation. Sheba is also a research powerhouse that collaborates internationally with the bio-tech and pharmaceutical industries to develop new drugs, treatments and technologies, and a foremost global center for medical education.
Program Description (continued)

The Medical Center has a 150-acre campus on the outskirts of Tel Aviv.

Tel Aviv Metropolitan Area, constitutes Israel’s largest metropolitan area and has 3,464,100 residents, 42% of the country’s population. Tel Aviv is a global city with many foreign embassies. It is a dynamic and pluralistic city and Israel’s cultural, financial and technological center.

This course provides students with the opportunity to participate in biomedical translational research in Israel by providing them with the classroom background they need in order to succeed in the laboratory and beyond. Students will work with cutting edge internationally respected researchers. In addition to the regular class leaders and laboratory work guest lecturers will regularly teach classes in genetics and local culture and political issues will be addressed.

Prof. Ronit Yarden will lead this program and Dr. Daniel Merenstein will assist. A list of potential internships will be included on program website. Projects will encompass a wide array of topics related to genetics for students to explore. Students will be assigned to work individually or in teams of 2 or 3 students.

Accommodations

Students will live at the Gordon Inn in Tel Aviv, a 5 minute walk to the Mediterranean Beach. A continental breakfast will be provided at the hotel. Lunch will be provided Sunday-Thursday at Sheba Medical Center.

Contact Information

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For more information: http://studyabroad.georgetown.edu

Withdrawals, Refunds, and Cancellation

Your acceptance form and program deposit are considered a good-faith commitment to participate on your Georgetown University summer program. Withdrawal from a summer program must be made in writing to the summer program coordinator. Please note that application fees and program deposits are non-refundable. Georgetown University will refund recoverable tuition and costs as determined by our partner institutions. Refunds will be calculated from the date the Office of Global Education is notified in writing of your intent to withdraw. Georgetown University is not responsible for indirect costs paid directly by the student, including but not limited to passport fees, vaccinations, and transportation costs.

Georgetown University reserves the right to adjust program fees or cancel any program without prior notification; however, every effort will be made to provide information on cancellations in a timely manner. In the event of cancellation, Georgetown University will refund program deposits and 100% of recoverable program fees.