About the program:
This summer science internship program offers senior undergraduate and graduate students the opportunity to gain cutting-edge research experience while earning academic credit. Participants will work in state-of-the-art laboratories under the guidance of leading Hebrew University researchers participating in the program. Students intern for 40 hours per week.

<table>
<thead>
<tr>
<th>4 weeks</th>
<th>Credits</th>
<th>Tuition</th>
<th>Housing</th>
</tr>
</thead>
<tbody>
<tr>
<td>June 16 – August 15 2019 (can be extended in consultation with supervisor)</td>
<td>4</td>
<td>US$1000*</td>
<td>US$850 for 4 weeks</td>
</tr>
</tbody>
</table>

*Tuition waiver for Exchange Students

The Hebrew University of Jerusalem (HUJI) is Israel’s premier university as well as its leading research institution, ranked internationally 95th in the Shanghai ranking and first among Israeli universities. HUJI offers a world class education for university and college students interested in broadening their horizons while receiving outstanding practical instruction.

For more information, see our webpage:

https://overseas.huji.ac.il/academics/summer-and-short-term-programs/summer-courses/summer-internship/

http://multimedia.huji.ac.il/tour360/index-e.html

Take a virtual tour

Check out our campus!
**Admission Requirements**

- **Undergraduate level program:**
  1. Students who have completed at least 28 semester credits from an accredited college or university with a 3.5 (B+) cumulative GPA or its equivalent are eligible to apply.
  2. English: High Level of English (B2)

- **Graduate level program:**
  1. Qualified students with a bachelor’s degree from accredited institutions of higher education are eligible for admission to the program. Students should have at least a 3.5 (B+) grade-point average.
  2. English: High Level of English (B2)

Special admission requirements can be found in “List of Internships” (p. 7).

**Eligibility**

- You need to meet the above acceptance criteria.
- When applying as an exchange student, you are required to check that your home institution is a HUJI partner through a formal reciprocal exchange agreement – visit our website for list of partners.
- You need to receive invitation from a HUJI host for your internship.

**Note for Exchange Students:**

If selected, you remain enrolled with your home institution and continue to pay your home institution fees. You will be exempt from HUJI tuition fees.

The credit points may be credited towards your degree by your home institution, on approval of your home institution.

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**How to Apply?**

**List of Internship Vacancies**

See List of internship vacancies (p. 7)

**Extra-Curricular Activities**

The Office of Student Life (OSL) is responsible for organizing diverse extracurricular programs specially designed to introduce students to Israel. The exciting summer events, tours and activities that complement the academic program allow participants to experience the Israeli culture and society. Students can join these activities for a small fee and experience Israel to its fullest.

**Housing**

Modern, comfortable dorms are offered at the Mt. Scopus Student Village in Jerusalem, or on the Rehovot campus.

**Health Insurance**

All students are required to purchase health insurance coverage for the duration of their studies. Students who receive a tuition waiver are required to purchase lab insurance at an additional fee.
Application Steps

1. Review the list of internship opportunities (p. 7) and establish contact with the researcher (please mention “HUJI Summer Science Internship Program”).
2. Exchange students to obtain approval for internship from HUJI contact person: Ayala Feinmesser-Mizrahi, Exchange Student Coordinator.
3. Apply online by May 15, 2019
4. Receive notification of acceptance.

Application Materials to be submitted

- CV
- Letter of motivation (one page)
- Undergraduate level: Transcript of grades
- Graduate level: Copy of your bachelor of science or master of science degree
- Proof of English level (B2 or higher)
- One letter of recommendation from faculty members or academic advisors
- Letter of endorsement from Home Institution

Are you interested in applying as an exchange student?
Please contact:

Ms. Ayala Feinmesser-Mizrahi
Exchange Student Coordinator

Ms. Toby Galili
Internship Coordinator

Apply Today!
Internship Vacancies:

Click on a field name to go to the relevant page.

**Jerusalem**

- Bioengineering
  - p. 10
- Cognitive Sciences and Psychology
  - p. 11
- Computer Science
  - p. 11
- Computer Science and Life Sciences
  - p. 12
- Dental Sciences
  - p. 12
- Department of Biological Chemistry
  - p. 13
- Developmental Biology and Cancer Research
  - p. 13
- Earth Sciences Institute
  - p. 14
- Medical Neurobiology
  - p. 14

**Rehovot**

- Biochemistry, Food and Nutrition
  - p. 15
- Entomology
  - p. 16
- Plant Pathology and Microbiology
  - p. 17
- Veterinary/Animal Science
  - p. 18
Available Laboratory Internships

Jerusalem & Rehovot

Bioengineering

Researcher: Yaakov Nahmias
Field of Study: Bioengineering
Area of Specialization: Human on Chip, Cellular Agriculture
Special Admission Requirements: Fluency in English

Jerusalem
https://www.nahmias-lab.com
Cognitive Sciences and Psychology

Researcher: Ayelet Landau  
Field of Study: Cognitive Neuroscience  
Area of Specialization: Time Perception, Attention, Tactile, Visual and Auditory Perception  
Special Admission Requirements: An interest in cognitive sciences and some basic training in one of the following fields: psychology, cognitive sciences, cognitive neuroscience, physics or related fields.

Jerusalem  
www.landaulab.com

Computer Science

Researcher: Dafna Shahaf  
Field of Study: Data Science  
Special Admission Requirements: Excelled in a machine learning course. Ability to code.

Jerusalem  
http://hyadatalab.com

Computer Science and Life Sciences

Researcher: Dina Schneidman  
Field of Study: Computational Biology  
Area of Specialization: Computational Structural Biology, Protein Structure, Protein Assembly

Jerusalem  
http://www.cs.huji.ac.il/~dina/

Dental Sciences

Researcher: Mona Dvir-Ginzberg  
Field of Study: Joint Diseases  
Area of Specialization: Cartilage Biology  
Special Admission Requirements: Basic knowledge in biology is a must, while relevant experience in laboratory procedures is preferred

Jerusalem  
https://cannabinoids.huji.ac.il/people/mona-dvir-ginzberg
Biological Chemistry

Researcher: Julia Shifman
Field of Study: Biophysics, Biochemistry, Computational Biology
Area of Specialization: Protein Engineering, Protein-Protein Interactions
Special Admission Requirements: Minimum duration of 8 weeks is required

Jerusalem
https://www.bio.huji.ac.il/en/content/shifman-julia

Developmental Biology and Cancer Research

Researcher: Danny Ben-Zvi
Field of Study: Medicine, Biology
Area of Specialization: Systems Biology, Metabolism, Diabetes, Obesity

Jerusalem
www.benzvilab.com

Earth Sciences

Researcher: Chaim Garfinkel
Field of Study: Atmospheric and Climate Science
Area of Specialization: Atmospheric Dynamics and Meteorology

Jerusalem
http://chaimgarfinkel.es.huji.ac.il/

Medical Neurobiology

Researcher: Ithai Rabinowitch
Field of Study: Medical Neurobiology
Area of Specialization: Complex brain operations in a simple animal the nematode worm C. elegans, and we engineer the worm's brain to perform new functions
Special Admission Requirements: Experience in biological lab work. Background in neuroscience.

Jerusalem
https://scholars.huji.ac.il/ithairabinowitch
Biochemistry, Food and Nutrition

Researcher: Masha Niv
Field of Study: Bitter and Sweet Taste, Bioactive Peptides
Area of Specialization: Computer-aided Flavor Discovery, Screening of Molecules, Modeling
Special Admission Requirements: Some background in programming and interest in taste

Rehovot
http://departments.agri.huji.ac.il/biochemfoodsci722/teachers/niv_masha/lab/

Biochemistry, Food and Nutrition

Researcher: Zohar Kerem
Field of Study: Bioactive Compounds from Plants
Area of Specialization: Bio-active Compounds in Olive Oil and in Wine
Special Admission Requirements: Interview

Rehovot
https://en.hafakulta.agri.huji.ac.il/people/zohar-kerem

Entomology

Researcher: Philippos A. Papathanos
Field of Study: Molecular Entomology and Genetics
Area of Specialization: Insect Genetics, Gene Drives, Genetic Engineering

Rehovot
https://www.papathanos.org/

Entomology

Researcher: Yael Heifetz
Field of Study: Reproduction, Aging, Extracellular Vesicles
Area of Specialization: Developmental Biology, Genetics (Using fruit flies and human related in-vitro models), Physiology

Rehovot
http://departments.agri.huji.ac.il/entomology/yael_heifetz/index.html
Researcher: Asaf Levy  
**Field of Study:** Computational Biology, Microbial Genomics  
**Area of Specialization:** Plant-Microbe Interactions  
**Special Admission Requirements:** CV, transcripts, at least 2 reference letters  

Rehovot  
[http://departments.agri.huji.ac.il/plantpath/alevy/](http://departments.agri.huji.ac.il/plantpath/alevy/)

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Researcher: Jonathan Friedman  
**Field of Study:** Microbial Community Ecology  
**Area of Specialization:** Engineering of Microbial Communities using Modeling, Genomics, and High-Throughput Experiments  
**Special Admission Requirements:** Background in either microbiology, genomics, or mathematical modeling  

Rehovot  
[https://www.friedmanlab.net/](https://www.friedmanlab.net/)

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Researcher: Tamar Friedlander  
**Field of Study:** Evolutionary Theory, Mathematical Biology  
**Area of Specialization:** Evolution of Self-Incompatibility in Plants  
**Special Admission Requirements:** Degree in either Math/Physics/Engineering/CS; familiar with programming, quantitative skills, interest in basic science, curiosity, creativity  

Rehovot  
[http://departments.agri.huji.ac.il/plantpath/alevy/](http://departments.agri.huji.ac.il/plantpath/alevy/)

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Researcher: Nahum Shpigel  
**Field of Study:** Enteric Nervous System, Host Pathogen Interaction  
**Area of Specialization:** Host Pathogen Interactions in the Human Gut and the Mammary Gland  

Rehovot  
[https://openscholar.huji.ac.il/nahums](https://openscholar.huji.ac.il/nahums)