

## Center for Bioengineering in the Service of Humanity

Dr. Yaakov (Koby) Nahmias  
Microliver Technologies ( $\mu$ LT) Laboratory  
[www.cs.huji.ac.il/~ynahmias](http://www.cs.huji.ac.il/~ynahmias)

ד"ר יעקב (קובי) נחמias  
המעבדה למיקרוטכנולוגיות כבד

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To: Director of Undergraduate Studies

### Hebrew University Program In Bioengineering and Systems Biology

I am delighted to announce a new study abroad program in **Bioengineering and Systems Biology** at the Rothberg International School of the Hebrew University of Jerusalem. The Hebrew University is a world-leading research institution, where intellectual pioneering and cutting-edge science flourish. Founded in 1918 by Albert Einstein and Sigmund Freud, the university counts seven Nobel laureates among its faculty and alumni, and is consistently ranked as one of the top 50 research universities worldwide.

The rapid growth in scientific, technological and medical knowledge over the last decades brought multidisciplinary approaches to the forefront of scientific discovery. These dynamics brought many undergraduate programs to break traditional boundaries between biology, physics, and engineering education. The Hebrew University international program in **Bioengineering and Systems Biology** offers exactly this type of advanced multidisciplinary courses in biophysics, bioengineering, and systems biology.

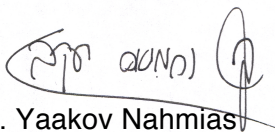
The program is aimed for 3<sup>rd</sup> and 4<sup>th</sup> year undergraduate students in relevant departments who completed specific prerequisites at their home institution. Students can attend for one semester (10 to 15 credits) or an entire year (20 to 30 credits) and will be given the opportunity to carry out senior research projects in some of the leading research laboratories of the Hebrew University. Students choosing to do so will be expected to devote at least 8 hours a week to research and present their findings at an end-of-the-year symposium.

Students attending the program will study along side some of Israel's outstanding students, and taught by internationally recognized scientists including Prof. Nir Friedman, Prof. Nathalie Balaban and Prof. Michal Linial. The program also allows students to choose courses in Religion, Middle Eastern Studies, Psychology, Business, as well as Hebrew or Arabic languages.

I strongly believe that the international program we created is exceptional and will provide students with a unique scientific and cultural experience that will broaden their horizons.

I urge you to inform your students and faculty about our program.

Yours,



Dr. Yaakov Nahmias  
Head of Bioengineering Program  
School of Computer Science and Engineering

