

Yirat Henshke M.Sc.

Biotechnology

PERSONAL DETAILS

Contact: yirat.henshke@mail.huji.ac.il , 054-7828977
Address: Rozin 7/14, Jerusalem, Israel
Year of birth: 1991

SKILLS

- Experienced in managing laboratory activities, executing long-term projects, and upholding schedules.
- Skilled in analyzing large amounts of biological data and visualization.
- Competent in cell and tissue culture and handling bacterial systems.
- Proficient user on Microsoft Windows and Microsoft Office applications.
- Experienced in managing the laboratory inventory using several software.

EDUCATION

2015 – 2018	MSc, Biotechnology, The Hebrew University of Jerusalem. Thesis subject: The <i>azoR</i> gene promoter: a new sensing element for microbial-based landmine detection. Supervisor: Prof. Shimshon Belkin. Thesis grade: 97.
2011 – 2013	B.Ed., Chemistry and Biology, The Jerusalem College. Final grade: 95.

EMPLOYMENT

2019 – 2021	Research Scientist at eggXYt, developing a technology that enables sex detection of chick embryos immediately after the eggs are laid and before they enter the 21-day incubation process, thus preventing the expensive and problematic killing that is taking place in the industry nowadays. Teaching Assistant for undergraduate Chemistry course, Hadassah Academic College.
2019	Scientist at TPCera, developing a new type of immunomodulatory compound that shifts the immune system from an inflammatory state into an anti-inflammatory one. Teaching Assistant for undergraduate Molecular biology, Microbiology and Chemistry courses, Hadassah Academic College.
2018	Exams Assistant, The Hebrew University of Jerusalem. Teaching Assistant for undergraduate biochemistry and physiology courses, The Jerusalem College.
2014 – 2015	Scientific English lecturer, The Jerusalem College. Teaching Assistant for undergraduate biochemistry, chemistry, physiology, and zoology courses, The Jerusalem College. Biology teacher at Tzvia high school in Jerusalem.
2012 – 2013	Program manager at the Ministry of Science and technology. I was leading a tuition program at the Jerusalem College.
2010 – 2011	National Service, Yad Sara, Jerusalem

LANGUAGES:

Hebrew, English

Appendix:

SCHOLARSHIPS

2015 -2016 Outstanding student scholarship for MSc students.

2011-2013 Regev honors program for outstanding students.

PUBLICATIONS

- *Yirat Henshke, Benjamin Shemer and Shimshon Belkin, "The azoR gene promoter: a new sensing element for the detection of trace explosives", The Batsheva de Rothschild Seminar on New Concepts in Biosensing; Israel, 2017*
- *Henshke, Yirat & Shemer, Bini & Belkin, Shimshon. (2021). "The Escherichia coli azoR gene promoter: A new sensing element for microbial biodetection of trace explosives." Current Research in Biotechnology. 3. 10.1016/j.crbiot.2021.01.003.*