

# SHIFRA LANSKY - CURRICULUM VITAE

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## A. EMPLOYMENT

- 2024 – present: Senior Scientist** (Assistant Professor) at the Department of Chemical and Structural Biology, the Weizmann Institute of Science, Israel.
- 2020 – 2024: Postdoctoral Fellow** in the Bio-AFM Lab, Weill Cornell Medicine, Cornell University, NY, USA.  
Advisor: Prof. Simon Scheuring
- 2012-2019: Research Student** in the structural biology lab of Prof. Gil Shoham, the Hebrew University, Israel.
- 2013-2019: Teaching Assistant** in the Institute of Chemistry, the Hebrew University of Jerusalem, Israel.
- 2017: Visiting Researcher** in the lab of Prof. Antoni Planas, Institut Químic de Sarrià, Universitat Ramon Llull, Barcelona, Spain. Received the HPC Europa3 funding for access to the MareNostrum supercomputer, (Barcelona, Spain).
- 2014: Visiting Researcher** in the lab of Prof. Douglas Rees, California Institute of Technology, Pasadena, USA.
- 2011: Research Student** (B.Sc.) in the nanobiotechnology lab of Prof. Itamar Willner. Institute of Chemistry, the Hebrew University of Jerusalem, Israel.

## B. EDUCATION

- 2014 – 2019: PhD in Chemistry**, the Hebrew University of Jerusalem, Israel  
**Received the PhD thesis award for excellent research**  
Thesis title: Biochemical and structural characterization of the hemicellulose utilization systems of *Geobacillus stearothermophilus*.  
Advisor: Prof. Gil Shoham
- 2013-2014: MSc in Chemistry (direct track to PhD program)**, the Hebrew University of Jerusalem, Israel.  
Advisor: Prof. Gil Shoham
- 2010-2013: BSc in Chemistry**, the Hebrew University of Jerusalem, Israel  
**Summa Cum Laude graduation**  
Participated in the “Amirim-Science” Excellence Program  
Amirim thesis title: Structure-function relationships of Axe2, an intracellular acetyl-xylan esterase from *Geobacillus stearothermophilus*.  
Advisor: Prof. Gil Shoham

## C. RECOGNITION

### COMPETITIVE SCHOLARSHIPS

- 2024-2026: Alon Scholarship** for outstanding young faculty members.
- 2022-2023: Women’s Postdoctoral Career Development Award in Science** of the Weizmann Institute, Israel.
- 2019-2020: Rothschild Fellowship** for 2019/2020 postdoctoral studies.
- 2019-2020: Zuckerman STEM Leadership Scholarship** for 2019/2020 postdoctoral studies.
- 2019-2020: Hebrew University Post-Doctoral Scholarship for Excellent Female Students** for academic year 2019/2020.

- 2015-2018: Azrieli Fellows Scholarship for Sciences.** Full PhD excellence scholarship. Azrieli Fellows Program for Sciences.
- 2015-2016: Prof. Rahamimoff Travel Grant** for Young Scientists of the US-Israel Binational Science Foundation (BSF).
- 2013-2015: Full MSc scholarship** of the Faculty of Science Graduate school, the Hebrew University of Jerusalem.
- 2011-2013: The Einstein Scholarship for Hebrew University BSc students.** The Käte and Franz Wiener Foundation. Academic years 2011-2012 and 2012-2013.

## **HONORS AND AWARDS**

- 2023: Best Poster Award** at the New York Structural Biology Discussion Group, New York, USA. Poster title: “A pentameric TRPV3 with a dilated pore”.
- 2020: PhD Thesis Award for Excellent Research.** PhD graduation ceremony, the Hebrew University, Israel.
- 2019: Award of the Israel Association of University Women for Excellent Female PhD students** for the academic year 2018/2019.
- 2017: Excellent Teaching Assistant Ranking** for academic year 2016-2017. The Hebrew University, Israel.
- 2016: Best Oral Presentation Award** at the IVS-MRS student conference, the Weizmann Institute, Israel. Title of talk: “A unique GH43 arabinanase trapped in different global conformational states suggests a "harpoon" mechanism of action”.
- 2015: Participation in the 65<sup>th</sup> Lindau Nobel Laureate Meeting, Lindau, Germany.** One of the seven students chosen to represent Israel.
- 2014: Best Oral Presentation Award** at the Israel Crystallographic Association (ICA) annual meeting, Ben-Gurion University, Israel. Title of talk: “A unique octameric structure of Axe2, an intracellular acetyl-xylan esterase from *Geobacillus stearothermophilus*”.
- 2014: Best Poster Award** at the 11th Carbohydrate Bioengineering Meeting (CBM), Espoo, Finland. Poster title: “A unique multi-domain GH43 arabinanase structure determined in different global conformational states”.
- 2014: Best Poster Award** at the Faculty of Science Day, the Hebrew University, Israel. Poster title: “A unique octameric structure of Axe2, an intracellular acetyl-xylooligosaccharide esterase from *Geobacillus stearothermophilus*”.
- 2014: Excellence award for MSc students.** Dr. Amos Linenberg Memorial Fund. The Hebrew University, Israel
- 2014: Rector’s Prize for MSc students,** academic year 2013-2014. The Hebrew University, Israel.
- 2013: Dean’s Prize for MSc students,** academic year 2012-2013. The Hebrew University, Israel.
- 2013-2014: Dean’s Honors List for MSc students,** academic years 2012-2013 and 2013-2014. The Hebrew University, Israel.
- 2013: Summa Cum Laude BSc graduation** (Class of 2013). The Hebrew University, Israel.
- 2011-2012: Rector’s Prize for BSc students,** academic years 2010-2011 and 2011-2012. The Hebrew University, Israel.
- 2011-2013: Dean’s Honors List for BSc students,** academic years 2010-2011, 2011-2012, and 2012-2013. The Hebrew University, Israel.
- 2013: Excellence Award for BSc Chemistry students.** Dr. Abraham Felzenstein Memorial Fund. The Hebrew University, Israel.
- 2012: Excellence Award for BSc Chemistry students.** Dr. Yehoyahin Kanat Memorial Fund. The Hebrew University, Israel.
- 2011: Excellence Award for BSc Chemistry students.** Dr. Baruch Zinger Memorial Fund.