

PERSONAL INFORMATION

Family name, First name: Stern, Shani
Researcher unique identifier(s) 0000-0002-2644-7068
Date of birth: 17.04.72
Nationality: Israeli
URL for web site: <https://www.shanistern-diseasemodelinglab.com/>

EDUCATION

2010-2015 Ph.D. Physics of Complex systems, Weizmann Institute of Science, Israel
Thesis “Ion channels and excitation of neuronal networks in health and disease “, Advisor: Prof. Elisha Moses (with distinction).
2008-2010 M.Sc. Computer Science, Weizmann Institute of Science, Israel
Thesis “A computational model for prediction of Polycomb recruitment elements in fruit flies’ embryos “, Advisor: Prof. Amos Tanay.
1990-1994 B.Sc. Electrical Engineering, Tel-Aviv University, Israel (graduated cum laude).

CURRENT POSITION

2019 –2020 Assistant Professor, Sagol Department of Neurobiology, University of Haifa, Israel

PREVIOUS POSITIONS

2015-2019 Postdoctoral fellow, Laboratory of Genetics, Salk Institute for Biological Studies, USA.
Research project “Mechanisms of hyperexcitability of neurons derived from bipolar disorder neurons”, Advisor: Prof. Fred Gage
2015-2015 Postdoctoral fellow, Physics of Complex systems, Weizmann Institute of Science, Israel
Advisor: Prof. Elisha Moses
2003-2007 Team leader (speech signal processing team), Motorola Communications, Israel
2000-2003 Team leader (MODEM signal processing team), Intel (cellular division), Israel
1999-1999 Team leader (speech signal processing team), Information Storage Devices, Israel
1997-1998 Digital Signal Processing Engineer, Motorola Communications, Israel
1994-1997 Officer (Logistics), Israel Defense Forces

FELLOWSHIPS AND AWARDS

2020 Zuckerman faculty scholar, Sagol Department for Neurobiology, University of Haifa, Israel
2020 Federation the Israel Societies for Experimental Biology (FISEB) Ilanit travel award
2015 – 2019 Salk postdoctoral fellowship, Laboratory of Genetics, Salk Institute for Biological Studies, USA
2019 Salk Women & Science - special donation (\$5,000)
2018 Salk Women & Science - Special Award (\$24,000)
2018 Travel award, Astella Pharma
2017 Travel award, Cellular Dynamics
2017 Salk Women & Science, Conference Travel Childcare Grant
2016 Menashe Milo Memorial Prize for academic excellence and scientific accomplishments
2015 Invited speaker, Graduation Physics colloquium (4 students chosen by the dean of the faculty)
2011 Award - Best mentor for visiting summer students
2011 Israel Ministry of Science - Women in Science award
2009 Auto-Schwartz fellowship
2005 Motorola CEO award for research and development in Motorola Israel
1991-1992 Academic Excellence Award commemorating fallen Israeli soldiers
1991 Dean's list of excellent students in Engineering
1990 Dean's list of excellent students in Engineering

SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

2019 – 2022 9 Ph.D. students, 7 M.Sc. students (4 finished, 2 with distinction, 1 Rector’s prize for best thesis).
Sagol department for Neurobiology, University of Haifa, Israel

TEACHING ACTIVITIES

2021 – 2022 Lecturer, Matlab, University of Haifa, Israel
2020 – 2021 Lecturer, Matlab, University of Haifa, Israel
2020 – 2021 Lecturer, Stem cells in Neurobiology, University of Haifa, Israel
2001 Teaching assistant, Logic Design Course, Tel-Aviv University, Israel
1994 Teaching assistant, Communications Theory, Tel-Aviv University, Israel
1994 Instructor and lab manager, Electronics and Control Theory lab course, Tel-Aviv University, Israel

ORGANISATION OF SCIENTIFIC MEETINGS

- 2022 The Integrated Brain And Behavior Research Center (IBBRC) annual meeting. An international scientific conference ~200 participants, Israel
- 2023 Bio-X Biotechnology & Entrepreneurship conference. An international scientific conference ~400 participants, Israel

INSTITUTIONAL RESPONSIBILITIES

- 2022- Head of the human studies ethics committee
- 2021-2022 Organizer of the Neurobiology seminar, University of Haifa, Israel
- 2018-2019 Elected representative for the Committee of Postdoctoral Affairs (CPA), Salk Institute

REVIEWING ACTIVITIES

- 2022 Guest Editor *Frontiers in Aging Neuroscience*
- 2018-2022 Reviewer for the journals *Translational Psychiatry*, *Molecular Psychiatry*, *PLOS One*, *Scientific Reports*, *BMC Medical Research*, *Stem Cell Translational Medicine*
- 2020-2022 Ph.D. committee of 3 students from Ben Gurion University, 5 students from Univ. of Haifa
- 2022 Reviewer for French National Research Agency ANR grants, Aufzien Family Center for Prevention and Treatment of Parkinson's Disease (APPD) grant

MEMBERSHIPS OF SCIENTIFIC SOCIETIES

- 2021 Integrated Brain and Behavior Research Center
- 2021 Israel Society for Stem Cell Research
- 2021 Israel Society for Neuroscience
- 2018 Molecular Psychiatry Association
- 2017-2018 Society for Neuroscience
- 2016-2018 Society of Biological Psychiatry
- 2017-2018 International Society of Stem Cell Research
- 2010-2014, Israel Society for Neuroscience
- 2016, 2019, 2021-2022