The Goodman
Faculty of Life Sciences
Bar-Ilan University

The Leslie and Susan Gonda
Multidisciplinary Brain
Research Center
Bar-Ilan University

BINA Bar-Ilan Institute of Nanotechnology & Advanced Materials

Prof. Galit Shohat-Ophir
Vice Dean, The Faculty of Life Sciences
Head of the neurogentics of behavior lab

Date: January 8th 2023

Curriculum Vitae and List of Publications

Personal Data

Identity Number: 031974942
Place of Birth: Israel
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Army Service: Israel Defense Force 1995-1998 discharged as captain.

Education, Certificates and Degrees, Post-Doctorate

From-To	Institute	Area of Specialty	Degree
1992-1995	Ben-Gurion University, Be'er-Sheva Israel	Life Sciences	B.Sc.
1999-2006	Weizmann Institute of Science, Rehovot, Israel	Cancer Biology	Ph.D.
2006-2008	Weizmann Institute of Science, Rehovot, Israel	Development	Postdoctoral Fellow
2008-2011	University of California San-Francisco	Neurogenetics	Postdoctoral Fellow
2011-2013	HHMI Janelia Research Campus	Neurogenetics	Research Specialist

Funding Sources

Period	Funding Agency	Title	Amount
2014-2018	Marie Curie Reintegration Grant	Encoding Experience	100,000 €
2014-2019	Israel Science Foundation (ISF)	Modulating behavior	$500,000
2014-2016	Israel Science Foundation (ISF)	Equipment grant	$500,000
2015-2016	INCPM-Israel Science Foundation (ISF)	Next Generation sequencing	$20,000

2018-2022	NIH subcontractor in RO1	Regulation of RNA Editing	$68,000
2019-2023	Israel Science Foundation (ISF)	Adaptation to social living	$444,000
2019-2023	USA – Israel Binational Science Foundation (BSF)	Profiling RNA editing	$224,000

10 Selected publications

1. L. Omesi, M. Levi, A. Bentzur, YK. Kim, S. Ben-Sha'anan, R. Azanchi, U. Heberlein and **G. Shohat-Ophir**. (2023) Sexual deprivation modulates social interaction and reproductive physiology. *bioRxiv* 2022.04.27.441612; https://doi.org/10.1101/2021.04.27.441612

2. J. Ryvkin, A. Shmueli, M. Levi, A.Jacob, T. Shalit, A.Bentzur, B. Agranovich, I. Abramovich, E. Gottlieb, D.R. Nässel & **G. Shohat-Ophir**. (2023) Sexual deprivation induces a CRF independent stress response and decreases resistance to stressors in *Drosophila* via a subpopulation of Neuropeptide F receptor-expressing neurons. bioRxiv 2022 https://www.biorxiv.org/content/10.1101/2022.03.02.482596v1

3. A. Bentzur, S.Alon[#] & **G. Shoha-Ophir[#].** (2022) Behavioral neuroscience in the era of genomics: tools and lessons for analyzing high-dimensional datasets. *Int J Mol Sci*. 2022 Mar 30;23(7):3811. # Corresponding authors. doi: 10.3390/ijms23073811. https://www.mdpi.com/1422-0067/23/7/3811

4. Julia Ryvkin*, Assa Bentzur*, Anat Shmueli, Miriam Tannenbaum, Omri Shallom, Shiran Dokarker, Jennifer I.C Benichou, Mali Levi and **Galit Shohat-Ophir**. (2021) Transcriptome Analysis of NPFR Neurons Reveals a Connection Between proteome Diversity and Social Behavior. **Front. Behav. Neurosci.**, 31 March

5. Assa Bentzur*, Shir Ben-Shaanan*, Jennifer Benichou, Eliezer Costi, Mali Levi, Amiyaal Ilany and **Galit Shohat-Ophir**. (2020) Early life experience shapes male behavior and social networks in *Drosophila*. **Curr biol**. https://www.cell.com/current-biology/fulltext/S0960-9822(20)31603-1
   Featured in Current Biology dispatch:
   https://www.cell.com/current-biology/fulltext/S0960-9822(20)31759-0

6. Anne L. Sapiro*, Anat Shmueli*, Gilbert Lee Henry, Qin Li, Tali Shalit, Orly Yaron, Yoav Paas, Jin Billy Li and **Galit Shohat-Ophir**. (2019) Illuminating spatial A-to-I RNA editing signatures within the Drosophila brain. * Authors contributed equally. **Proc Natl Acad Sci U S A**. 5;116(6):2318-2327.

7. Zer-Krispil, S., Zak, H., Shao, L., Ben-Shaanan, S., Tordjman, L., Bentzur, A., Shmueli, A., **Shohat- Ophir, G.** (2018). Ejaculation Induced by the Activation of Crz Neurons Is Rewarding to Drosophila Males. **Curr Biol** *28*, 1445-1452 e1443. **Featured in Curr Biol. 2018 21;28(10):R614-R616.**

8. Ryvkin, J., Bentzur, A., Zer-Krispil, S., **Shohat-Ophir, G.** (2018). Mechanisms Underlying the Risk to Develop Drug Addiction, Insights From Studies in Drosophila melanogaster. **Front Physiol** *9*, 327.

9. Bentzur, A., Shmueli, A., Omesi, L., Ryvkin, J., Knapp, J.M., Parnas, M., Davis, F.P., **Shohat-Ophir, G.** (2018). Odorant binding protein 69a connects social interaction to modulation of social responsiveness in Drosophila. **PLoS Genet** *14*, e1007328.

10. **Shohat-Ophir, G.**, Kaun, K.R., Azanchi, R., Mohammed, H., and Heberlein, U. (2012). Sexual deprivation increases ethanol intake in Drosophila. ***Science*** *335*, 1351-1355. **Featured in Nature** doi:10.1038/nature.2012.10227. **(Recommended by Faculty of 1000 as a must to read**).

Book chapters: A. Philipsborn, **G. Shohat-Ophir[#]** & C. Rezaval[#]. (2023) Measurement of *Drosophila* reproductive behaviors. *Drosophila Neurobiology Manual*, CSHL in press. # Corresponding authors.