

Harris S. Kaplan – CV

1/8/2021

Personal Data

Name: Harris S. Kaplan
Phone: 973-634-3340
Email: harris_kaplan@fas.harvard.edu
Work Address: Harvard University, Department of Molecular and Cellular Biology
16 Divinity Avenue, Cambridge, MA 02138
ORCID: 0000-0002-8583-5714

Academic Career

2020 - present Postdoctoral fellow with Professor Catherine Dulac, Harvard University, Massachusetts, USA.
HHMI Fellow of the Jane Coffin Childs Fund, since January 2021.
2012 - 2019 Ph.D. with Dr. Manuel Zimmer at the Research Institute of Molecular Pathology (IMP), Vienna, Austria.
Ph.D. received July 12, 2019.
2008 - 2011 B.A. in Biology at New York University (NYU) awarded *summa cum laude*; Honors Thesis with
Professor Justin Blau, New York, USA.

Publications

Kaplan HS[†] and Zimmer M (2020). Brain-wide representations of ongoing behavior: a universal principle? **Current Opinion in Neurobiology** 64, 60-69. DOI: 10.1016/j.conb.2020.02.008. [†]Corresponding author.

Kaplan HS^{*}, Salazar Thula O^{*}, Khoss N, Zimmer M (2019). Nested neuronal dynamics orchestrate a behavioral hierarchy across timescales. **Neuron** 28 November 2019. DOI: 10.1016/j.neuron.2019.10.037. ^{*}Authors with equal contribution.

Kaplan HS, Nichols ALA, and Zimmer M (2018). Opinion piece. Sensorimotor integration in *Caenorhabditis elegans*: a reappraisal towards dynamic and distributed computations. **Philosophical Transactions of the Royal Society B: Biological Sciences** 2018 Sep 10; 373 (1758). DOI: <http://doi.org/10.1098/rstb.2017.0371>

Kaplan HS and Zimmer M (2018). Preview article. Sensorimotor integration for decision making: how the worm steers (2018). **Neuron** 97(2), 258-260. DOI: 10.1016/j.neuron.2017.12.042

Hums I, Riedl J, Mende F, Kato S, Kaplan HS, Latham R, Sonntag M, Traunmüller T, and Zimmer M (2016). Regulation of two motor patterns enables the gradual adjustment of locomotion strategy in *Caenorhabditis elegans*. **eLife** 2016;5:e14116. DOI: 10.7554/eLife.14116

Kato S^{*}, Kaplan HS^{*}, Schrödel T^{*}, Skora S, Lindsay TH, Yemini E, Lockery S, Zimmer M (2015). Global brain dynamics embed the motor command sequence of *Caenorhabditis elegans*. **Cell**, 163(3), 656–669. DOI: 10.1016/j.cell.2015.09.034
^{*}Authors with equal contribution.

Collins B, Kaplan HS, Cavey M, Lelito KR, Bahle AH, Zhu Z, Macara AM, Roman G, Shafer OT, Blau J (2014). Differentially timed extracellular signals synchronize pacemaker neuron clocks. **PLoS Biol**, 12(9): e1001959. DOI: 10.1371/journal.pbio.1001959

Distinctions & Conference Presentations

2020 Awarded HHMI Jane Coffin Childs Fellowship, to begin January 2021
2019 Vienna BioCenter PhD Award
2019 ÖGMBT Life Science PhD Award
2019 Janelia Junior Scientist Workshop on Biological Optical Microscopy
2019 Talk at Workshop on Whole-Brain Imaging – International *C. elegans* Meeting, UCLA

2018 Selected for a talk at The International Congress of Neuroethology, Brisbane, Australia
2017 Best Poster – Austrian Neuroscience Association meeting, Vienna, Austria
2015 Mattias Lauwers Award - best student seminar at the Vienna BioCenter
2015 Selected for an impromptu talk - Gordon Research Conference on Neuromodulation, Hong Kong
University of Science and Technology
2014 Featured Talk at *C. elegans* Neuroscience Meeting, Madison, Wisconsin
2014 Invited Talk – Stanford University worm community
2014 Best Poster – Vienna BioCenter PhD Student retreat
2011 B.A. degree from NYU awarded *summa cum laude*
2011 Kupciner-Getz Program Scholar, Weizmann Institute of Science, Israel
2011 George Schwartz Prize in Biology, NYU
2010 NYU iGEM synthetic biology competition team member
2010 NYU Dean's Undergraduate Research Fund Grant
2009 NYU Dean's Undergraduate Research Fund FAST Grant