

Curriculum Vitae - Rona Aviram

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Education and Academic Positions

2024- Present	Postdoc in computer science, Prof. David Harel lab, Weizmann Institute of Science. Researching computational approaches for history of science.
2024	Postdoc in the Center for Digital Humanities, Hebrew University of Jerusalem. Researching history of science.
2023	Postdoc in Dr. Or Aleksandrowicz lab, Faculty of Architecture and Town Planning, Technion, Israel. Researching history of urban climatology.
2021-Present	Associated researcher in Research Center Interdisciplinaires (CRI), University of Paris, France (<i>Currently known as – LPI</i>). Researching history of science. Instructor in Open Science course.
2015-2020	Ph.D. in life sciences, Prof. Gad Asher lab, Weizmann Institute of Science, Israel <i>Thesis: Circadian Rhythms and Metabolism: Unconventional Oscillations, Alternative Clocks</i>
2012-2015	M.Sc. in life sciences, Prof. Gad Asher lab, Weizmann Institute of Science, Israel <i>Thesis: Diurnal oscillations within cellular organelles are coupled by the circadian clock</i>
2009-2012	B.Sc. in marine biology, Ruppin Academic Center, Israel

Awards and Fellowships

2025	Wikimedia Foundation “Dror Lin” Research Grant
2024	Fellowship from the Schusterman Center for Israel Studies, Brandeis University
2022-2023	Covid Emergency Postdoctoral Fellowship, Israel Academy of Science and Humanities
2020-2021	FGS COVID-19 Emergency postdoc fellowships, Weizmann Institute of Science
2019	EMBO short term fellowship, host lab: Prof. Michael Hall, Biozentrum, Basel
2018	Prize for best talk, 2018 Symposium on Metabolism, University of Geneva
2018	Systems biology innovative student prize, Weizmann Institute of Science
2018	EMBO scholarship to attend the <i>68th Lindau Nobel Laureate Meeting</i>
2016-2020	Azrieli Fellowship for Excellence and Leadership (4 year full fellowship)
2016	Society for Research on Biological Rhythms (SRBR) Excellence Award
2016	Prof. Rahamimoff Travel Grant for Young Scientists
2015	Keystone Symposia Future of Science Fund Scholarship
2015	The Dean's award for M.Sc. Students, Weizmann Institute of Science

Talks and Conference Participation

2025	Selected talk , Israel Data Science and AI Initiative 4th Annual Conference, Israel
2024	Invited workshop , The Open University's school on "AI in Humanities research", Israel
2024	Selected talk , <i>The 23rd Annual Conference of the Israeli Society for the History, Philosophy and Sociology of Science</i> , Israel
2024	Selected talk , <i>Wiki Workshop 2024</i> , virtual event
2024	Invited speaker , VITE (Virtual Institute for Temporal Ethology)
2024	Selected talk , Critique of Digital Reason conference, Israel
2023	Selected talk , <i>The 22nd Annual Conference of the Israeli Society for the History, Philosophy and Sociology of Science</i> , Israel
2023	Selected talk , <i>Wiki Workshop 2023</i> , virtual event
2022	Invited speaker , <i>Seminar lecture</i> , Cambridge University, UK
2022	Invited speaker , <i>European Biological Rhythms Society (EBRS)</i> , Switzerland
2022	Invited speaker , Thematic Workshop: Covid and Science communication, France (virtual)
2021	Invited speaker , Meta-Research Innovation Center (METRICS), Stanford University (virtual)
2019	Selected talk , <i>European Biological Rhythms Society (EBRS)</i> , France
2019	Poster , <i>Chronobiology Gordon Research Conference (GRC)</i> , Spain
2018	Co-organizer of <i>Timelines in Biology 3.0</i> , Weizmann Institute of Science
2018	Selected talk , <i>2018 Symposium on Metabolism</i> , Switzerland
2018	<i>68th Lindau Nobel Laureate Meeting</i> , Germany (Patreon: EMBO)
2017	Selected talk , <i>European Biological Rhythms Society (EBRS)</i> , Holland
2017	Young Researchers committee member , EBRS, Holland
2017	Co-organizer of student scientific session in <i>FISEB</i> ("Ilanit"), Israel
2017	Co-organizer of <i>Timelines in Biology 2.0</i> , Weizmann Institute of Science
2016	Selected talk , <i>Society for Research on Biological Rhythms (SRBR)</i> , USA
2015	Selected talk , <i>Passwell Symposium</i> , Weizmann Institute of Science
2015	Selected talk , <i>Keystone Symposia: Systems Biology of Lipid Metabolism</i> , USA
2014	Co-organizer of <i>Timelines in Biology</i> , Weizmann Institute of Science

Extracurricular activity

2021-2024	Translator of the first Hebrew translation of "What is Life?" by Erwin Schrodinger (1944), Magnes Press
2020-2021	Reporter and translator , Davidson Institute of Science Education website
2020	Volunteer work: COVID-19 testing , and inspector on sampling
2016-2020	Volunteer work : reading for the blind
2015-2018	Science communication speaker for WIS organized popular science events
2014	Co-developer of ReTime , an interactive audiovisual art installation
2013-2016	Instructor for high school students, Davidson Institute of Science Education
2011-2012	Volunteer work : Israel National Sea-Turtle Rescue center

Publication List

1. **R. Aviram**, O. Benjakob, O. Aleksandrowicz. *What happened to urban heat island mitigation? A digital history of Wikipedia's archives reveals knowledge circulation gaps*. Submitted.
2. O. Benjakob, L. Jouveshomme, M. Collet, A. Augustoni, **R. Aviram***. *High Impact: Wikipedia sources and edit history document two decades of the climate change field*. Biorxiv, 2023 ([preprint](#))
*Principal investigator
3. O. Benjakob, O. Guley, J. Sevin, L. Blondel, A. Augustoni, M. Collet, L. Jouveshomme, R. Amit, A. Linder, **R. Aviram***. *Wikipedia as a tool for contemporary history of science: A case study on CRISPR*. PLOS ONE 2023
*Principal investigator
4. O. Benjakob, **R. Aviram**[#], J. Sobel[#]. *Citation needed? Wikipedia and the COVID-19 pandemic*. GigaScience, 2022
[#](Corresponding authors)
 - Invited guests to podcast [Preprints in Motion](#), Episode #3.
5. **R. Aviram**, V. Dandavate, G. Manella, M. Golik, G. Asher. *Ultradian rhythms of AKT phosphorylation and gene expression emerge in the absence of the circadian clock components Per1 and Per2*. PLOS Biology, 2021
6. **R. Aviram**, Y. Adamovich, G. Asher. *Circadian Organelles: Rhythms at All Scales*. Cells, 2021
7. **R. Aviram**[#], G. Manella[#], G. Asher. *The liver by day and by night*. Journal of Hepatology, 2021
[#](Equal contribution)
8. **R. Aviram**[#], C. Wang[#], X. Han, G. Asher. *A lipidomics view of circadian biology*. Springer Protocols, 2021
[#](Equal contribution)
9. **R. Aviram**[#], G. Manella[#]. *A metaphor that keeps on ticking: The 'Clock' as a driving force in the history of chronobiology research*. PTP BIO, 2020
[#](Equal contribution)

10. G. Manella, **R. Aviram**, N. Bolshette, S. Muvkadi, M. Golik, D. F. Smith, G. Asher. *Hypoxia induces a time and tissue-specific response that elicits inter-tissue circadian clock misalignment*. PNAS, 2020
11. O. Benjakob and **R. Aviram***. *A clockwork Wikipedia: from a broad perspective to a case study*. Journal of Biological Rhythms, 2018
*Principal investigator
12. **R. Aviram**, G. Manella, N. Kopelman, A. Neufeld-Cohen, Z. Zwihaft, M. Elimelech, Y. Adamovich, M. Golik, C. Wang, X. Han, G. Asher. *Temporal and spatial lipidomics analyses reveal principles in lipid organization and uncover daily oscillations in intracellular organelles*. Molecular Cell, 2016
 - Selected for *Meet the Author*: [Meet the Author](#)
13. Neufeld-Cohen, MS. Robles, **R. Aviram**, G. Manella, Y. Adamovich, B. Ladeux, D. Nir, L. Rousso-Noori, Y. Kuperman, M. Golik, M. Mann, G. Asher. *Circadian control of oscillations in mitochondrial rate-limiting enzymes and nutrient utilization by PERIOD proteins*. PNAS, 2016
14. Z. Zwihaft, **R. Aviram**, M. Shalev, L. Rousso-Noori, J. Kraut-Cohen, M. Golik, A. Brandis, H. Reinke, A. Aharoni, C. Kahana, G. Asher. *Circadian clock control by polyamine levels through a mechanism that declines with age*. Cell Metabolism, 2015
15. T. Stern, **R. Aviram**, C. Rot, T. Galili, A. Sharir, N. Kalish Achrai, R. Shahar, E. Zelzer. *Isometric scaling in developing long bones is achieved by an optimal epiphyseal growth balance*. PLOS Biology, 2015
16. Y. Adamovich#, **R. Aviram**#, G. Asher. *The emerging roles of lipids in circadian control*. Biochimica et Biophysica Acta, 2015
#(Equal contribution)
17. M. Shalev, **R. Aviram**, Y. Adamovich, J. Kraut-Cohen, T. Shamia, S. Ben-Dor, M. Golik, G. Asher. *The PXDLS linear motif regulates circadian rhythmicity through protein–protein interactions*. Nucleic Acids Research, 2014