

Ella Tali Sieradzki, Assistant Professor

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🐦 @SieraVirus




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🌐 Web of Science

Education

- 2012 – 2018  **Ph.D., University of Southern California** Marine and Environmental Biology.
Supervisor: Prof. Jed Fuhrman
Thesis title: *The Microbial Buffet: Community-Wide Trophic Functions Elucidated by Multi-Omics Data*
- 2007 – 2009  **M.Sc. Ecology, Tel Aviv University** in Marine microbiology.
Supervisor: Prof. Micha Ilan
Thesis title: *A new stress-related sponge disease affecting associated bacterial community and natural product levels.*
- 2004 – 2007  **B.Sc. Biology, Tel Aviv University**





Training

- 2022 – 2024  **Marie Sklodowska-Curie fellow**, École Centrale de Lyon
Supervisors: Dr. Graeme Nicol and Dr. Christina Hazard.
- 2022 – 2022  **Postdoctoral researcher** in soil viral ecology, Department of Plant Pathology, University of California, Davis
Supervisor: Prof. Joanne Emerson.
- 2018 – 2022  **Postdoctoral researcher** in soil microbial ecology, Department of Environmental Science, Policy and Management, University of California, Berkeley
Supervisors: Prof. Mary Firestone and Prof. Jill Banfield.

Honors, Awards and Certificates

- 2022  **Marie Sklodowska-Curie postdoctoral fellowship**, Determining impact of viruses on biogeochemical processes in soil. *includes research funds
- 2015  **Norma and Jerol Sonosky Environmental Sustainability Graduate Fellowship**, Wrigley Institute for Environmental Studies.
- 2014  **Norma and Jerol Sonosky Environmental Sustainability Graduate Fellowship**, Wrigley Institute for Environmental Studies.
- 2012  **Provost doctoral fellowship**, University of Southern California.
- 2014  **Scientists Teaching Science**. Awarded by New York Academy of Sciences.

Select invited seminars and conference talks





- 2023  **International Congress of Plant Pathogens** Lyon, France
- 2022  **International Society for Microbial Ecology** Lausanne, Switzerland
-  **the Weizmann Institute of Science** Department of plant and environmental sciences, Rehovot, Israel
-  **Microbiome Centers Consortium Seminar** The Ohio State University, OH, USA
-  **Changing Microbiomes symposium** Penn State University, PA, USA
- 2021  **Illumina webinar series** Click for recording
-  **ISME Microseminar** Click for recording

Select invited seminars and conference talks (continued)




2019  **American Society for Microbiology** San Francisco, CA, USA

Teaching and Mentoring






Experience

- 2020 – 2022  **Bioinformatics Virtual Coordination Network (BVCN) Senior Instructor** Online bioinformatics classes and tutorials.
R programming, metagenomics, metatranscriptomics
 <https://biovcnet.github.io>
-  **Guest Lecturer** University of California Berkeley.
Microbial Ecology ESPM 112 (undergraduate level)
Microbial Ecology PMB 220F (graduate level)
- 2019 – 2020  **Invited Speaker** JBIMS Data Science Workshop: Microbiome.
Metatranscriptomics
Stable Isotope Probing and Metagenomics

Mentoring

- 2020 – 2023  **Graduate student** Co-mentored a PhD candidate in the Firestone group who graduated successfully
- 2022 – 2023  **Undergraduate student** Mentored an undergraduate student in the Emerson group, yielding a paper currently in revision (Matsumoto et al.)
- 2014  **Undergraduate student** Mentored an undergraduate student of an underrepresented group transferring from a community college

Community Service

- 2022  **Planning Committee Member** JGI Viral Ecogenomics & Applications VEGA.
- 2019, 2020  **Session convener** American Geophysical Union, Geovirology session.
- 2019 – 2022  **Regional Manager Berkeley** ScienceAbroad: connecting Israeli scientists. Organizing community activities for local Israeli scientists
- 2019 – 2021  **Planning Committee Member** Women in Science at Berkeley Inviting speakers, setting up events, applying for funding
- 2014  **Invited seminar committee member** Department of Marine Biology and Biological Oceanography Organizing panels, inviting speakers, applying for funding, handling reimbursements

Peer Reviewer

Grants

USA National Science Foundation (NSF)
France National Research Agency (ANR)
Swiss National Science Foundation (SNSF)

Journals

Science magazine
ISME journal
Microbiome journal
Nature Communications
Proceedings of the National Academy of Sciences (PNAS)
Soil Biology and Biochemistry
Molecular Ecology journal
Microbial Genomics
Microlife