

YAIR DAON

+972 – (0)53 – 8383380 ♦ yair.daon@gmail.com

EDUCATION

New York University , New York, NY · PhD, Mathematics	<i>2012-2017</i>
Weizmann Institute of Science , Rehovot, Israel · MSc, Mathematics	<i>2010-2012</i>
Tel Aviv University , Tel Aviv, Israel · BSc Biology (magna cum laude)	<i>2005-2008</i>
Tel Aviv University , Tel Aviv, Israel · BSc Mathematics (magna cum laude)	<i>2005-2008</i>

POSITIONS

Senior Lecturer , Azrieli Faculty of Medicine, Safed, Israel.	<i>2023-present</i>
Postdoctoral Fellow , Tel Aviv University, Tel Aviv, Israel.	<i>2020-2023</i>
• Advisor: Dr. Uri Obolski.	
Senior Researcher , Levl Technologies, Tel Aviv, Israel.	<i>2018-2020</i>
Visiting Scientist , Scripps Institution of Oceanography, San Diego, CA.	<i>2017</i>
• Host: Prof. George Sugihara.	
Summer Associate , Goldman, Sachs & Co., New York, NY.	<i>2015</i>

INVITED PRESENTATIONS

• Data for Health	<i>2025</i>
• Hebrew University Public Health Colloquium	<i>2025</i>
• Tel Aviv University Statistics Seminar	<i>2025</i>
• Manifolds in Nature	<i>2024</i>
• Uncertainty in Artificial Intelligence	<i>2023</i>
• Society for Causal Inference Annual Meeting (declined)	<i>2023</i>
• Hebrew University Statistics and Data Science seminar	<i>2023</i>
• Ariel University Drakhlin Seminar	<i>2022</i>
• Ben Gurion University Public Health Colloquium	<i>2022</i>
• Tel Aviv Center for Combatting Pandemics Conference	<i>2022</i>
• Bar Ilan University Probability Seminar	<i>2022</i>
• TAD Biomedical Community Meeting	<i>2021</i>
• Tel Aviv University Statistics Seminar	<i>2021</i>
• SIAM CSE17	<i>2017</i>

AWARDS

• Tel-Aviv Center for Combating Pandemics post-doctoral fellowship	<i>2020-2021</i>
• Raymond and Beverly Sackler Dean post-doctoral fellowship	<i>2020-2021</i>
• Mathematical Sciences Graduate Internship Program, National Science Foundation	<i>2017</i>
• MacCracken Fellowship, New York University	<i>2012-2017</i>
• Magna cum laude in Mathematics, Tel Aviv University	<i>2008</i>
• Magna cum laude in Biology, Tel Aviv University	<i>2008</i>

1. Kovjazin, Volovitz, **Daon**, Vider-Shalit, Azran, Tsaban, Carmon, and Louzoun. *Signal peptides and trans-membrane regions are broadly immunogenic and have high CD8+ T cell epitope densities: Implications for vaccine development*. *Molecular Immunology* **48** (2011) no. 8, 1009–1018.
2. **Daon**. *Bernoullicity of equilibrium measures on countable Markov shifts*. *Discrete and Continuous Dynamical Systems* **33** (2013) no. 9, 4003–4015.
3. **Daon**, Stadler. *Mitigating the influence of the boundary on PDE-based covariance operators*. *Inverse Problems & Imaging* **12** (2018) no. 5, 1083—1102.
4. Harris, **Daon**, Nanjundiah. *The Role of Signalling constraints in defining optimal marginal costs of reliable signals*. *Behavioral Ecology*, **31** (2020) no. 3, 784–791.
5. **Daon**, Thompson, Obolski. *Estimating COVID-19 outbreak risk through air travel*. *Journal of Travel Medicine*, **27** (2020) no. 5, taaa093.
6. Lourenço, **Daon**, Gori, Obolski. *Pneumococcal competition modulates antibiotic resistance in the pre-vaccination era: a modelling study*. *Vaccines*, **9** (2021) no. 3, 265.
7. **Daon**, Huppert, Obolski. 2021, *An accurate model for SARS-CoV-2 pooled RT-PCR test errors*. *Royal Society Open Science*, **8** (2021) no. 11, 210704.
8. **Daon**, Huppert, Obolski. *DOPE: D-Optimal Pooling Experimental design with application for SARS-CoV-2 screening*. *Journal of the American Medical Informatics Association*, **28** (2021) no. 12, 2562–2570.
9. Ben-Zuk, **Daon**, Sasson, Ben-Adi, Huppert, Nevo, Obolski. *Assessing COVID-19 vaccination strategies in varied demographics using an individual-based model*. *Frontiers in Public Health*, **10** (2022).
10. Thompson, Southall, **Daon**, Lovell-Read, Iwami, Thompson, Obolski. *The impact of cross-reactive immunity on the emergence of SARS-CoV-2 variants*. *Frontiers in Immunology*, **11** (2022).
11. **Daon**. *Clusterization in D-optimal Designs: The Case Against Linearization*. *Bayesian Analysis* **1-29** (2025).
12. **Daon**, Parag, Huppert, Obolski. *Refuting Causal Relations in Epidemiological Time Series*. Accepted, *Methods in Ecology and Evolution*.