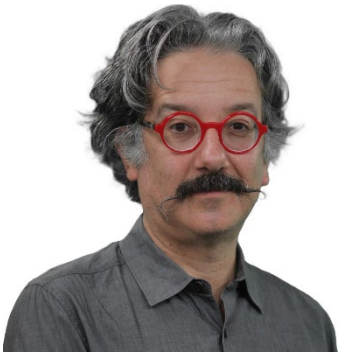
AMBASSADORS
LECTURE SERIES

אוניברסיטת חיפה
UNIVERSITY OF HAIFA
جامعة حيفا

MEET OUR AMBASSADORS



Uri Hershberg
Professor
Department of Human Biology
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Field of Research:
System Immunology; Molecular Evolution; Complexity and Cognition

SHORT BIO

I am a Professor of Biology at the University of Haifa and a visiting Professor of Biomedical Engineering at Drexel University in Philadelphia, where I had my lab before returning to Israel in 2018. My research focuses on how living systems change and maintain themselves through adaptation, learning, and evolution. A major emphasis of my studies is the adaptive immune system, particularly the populations of B cells (the cells that produce antibodies and confer immunity to disease) and how their diverse populations evolve in health and in response to disease.

My research has always been multidisciplinary, combining perspectives from physics, cognitive science, and biology to study complex adaptive systems. This approach has led to active collaborations across multiple fields of research. Simultaneously, I have been interested in how scientists and society can bridge gaps between Science, Engineering, the Humanities, and Art to conduct research and narrate stories collectively. For instance, over the last 5 years, I have organized yearly international "Artathons" where biologists, designers, and computer scientists explore new ways to visualize biological data.

FUNDRAISING NEEDS

The University of Haifa has a ground-breaking attitude to the study of living systems and bioinformatics. The research of these topics is found across the University and transcends the usual divisions of faculty and fields found in most other research institutes. This makes our university a perfect breeding ground for team based multidisciplinary research of biology and human health. The center for biophysics and quantitative biology (CBQB) is a multi-disciplinary research center that aims to bring together researchers to answer questions of biological dynamics by applying tools from biophysics and other quantitative methods, across a wide range of scales and fields. Research at the center is student based and collaborative. The purpose of the center is to create a research environment for students to encourage them to interact around common questions in multi-disciplinary quantitative biological research. This will be done by hosting University wide events, workshops and courses and by connecting between students and finding them funding and joint labs to supervise their research.