

CURRICULUM VITAE

Tal Pupko

Professor, The Shmunis School of Biomedicine and Cancer Research, Tel Aviv University, Tel Aviv 69978, Israel.

Home Address: 21 Haim Levanon Street, Tel-Aviv, 69975, Israel

Date and Place of Birth: April 14, 1972, Israel

Zahal (Israeli) Military Service: 1990-1993. Rank: Captain. Honor officer at officer course

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Education

- 2002-2003 School of Computational Science & Information Technology, Florida States University, Florida, USA. Postdoctoral fellow.
- 2000-2002 The Institute of Statistical Mathematics, Tokyo, Japan, Postdoctoral fellow.
- 1995-1997 Tel-Aviv University, School of Mathematics, B.Sc. (*summa cum laude*).
- 1995-2000 Tel-Aviv University, Dept. of Zoology, Ph.D.
- 1993-1995 Tel-Aviv University, Dept. of Biochemistry, M.Sc. (*magna cum laude*).
- 1988-1990 Tel-Aviv University, Faculty of Life Sciences, B.Sc. (The Research program for Outstanding Students).

Professional Experience at Tel-Aviv University

- 2018-2022 Head of the Shmunis School of Biomedicine and Cancer Research.
- 2013-Present Professor, the Shmunis School of Biomedicine and Cancer Research.
- 2008-2013 Associate Professor, Dept. of Cell Research and Immunology.
- 2006-2008 Senior Lecturer, Dept. of Cell Research and Immunology.
- 2003-2006 Lecturer, Dept. of Cell Research and Immunology.

Prizes

- 1995 Wolf Prize for M.Sc. Students.
- 2006 The Krill award (Wolf Foundation) for excellence in scientific research in 2006.
- 2012 The Hestrin Prize of the Israel Society for Biochemistry and Molecular Biology (ISBMB).
- 2015 The PNAS Cozzarelli Prize (The National Academy of Science, USA), which "recognizes recently published PNAS papers of outstanding scientific excellence and originality".
- 2020- The Edouard Seroussi Chair for Protein Nanobiotechnology.
- 2020 Nature Research Award for Mentoring in Science, in the mid-career category.

Teaching awards

- 2014 Top 100 lecturers throughout Tel-Aviv University, Israel.
- 2015 Teaching award from the Faculty of Life Sciences, Tel-Aviv University, Israel.
- 2015 Top 100 lecturers throughout Tel-Aviv University, Israel.
- 2015 A teaching award from the Rector of Tel-Aviv University, Israel.
- 2018 Teaching award from the Faculty of Life Sciences, Tel-Aviv University, Israel.
- 2019 Top 100 lecturers throughout Tel-Aviv University, Israel.
- 2020 Top 100 lecturers throughout Tel-Aviv University, Israel.
- 2021 Teaching award from the Faculty of Life Sciences, Tel-Aviv University, Israel.
- 2023 Top 100 lecturers throughout Tel-Aviv University, Israel.
- 2023 Teaching award from the Faculty of Life Sciences, Tel-Aviv University, Israel.

Editorial and societies duties

2010-2013	Associated Editor for the journal BMC Evolutionary Biology.
2010-2012	Deputy Editor for the journal BMC Evolutionary Biology.
2012-2013	Section Editor for the journal BMC Evolutionary Biology.
2012-	Associated Editor for the journal Molecular Biology and Evolution.
2013-	Associated Editor for the journal Biology Direct.
2019-2020	The 1 st President of the Israeli Society of Evolutionary Biology.

Organization of meetings

2018	Program committee of the International Society for Molecular Biology (ISMB) 2018, in the area of Evolution and Comparative Genomics. Chicago, Illinois, USA, July 6-10, 2018.
2019	Program committee of the International Society for Molecular Biology (ISMB) / ECCB 2019, in the area of Evolution and Comparative Genomics. Basel, Switzerland, July 21-25, 2018.
2019	Fitch Award committee and Travel Award committee member of the Society for Molecular Biology and Evolution (SMBE) 2019 annual meeting, Manchester, United Kingdom, July 21-25, 2019.
2019	Program chair of the 1st meeting of the Israeli Society of Evolutionary Biology (ISEB). The Steindhardt Museum of Natural History, Tel-Aviv University, December 11-12, 2019.
2020	Program chair member of a Workshop on Computational Biology at the Simons Institute in Berkeley, USA. July 27-30, 2020 (postponed due to Covid19).
2019	Steering committee of the 2nd meeting of the Israeli Society of Evolutionary Biology (ISEB). The Open University, Raanana, December 9-10, 2020.
2021	Session chair in the Annual meeting of the Society of Molecular Biology and Evolution (SMBE). Virtual conference. July 3-8, 2021.
2022	Steering committee of the 3rd meeting of the Israeli Society of Evolutionary Biology (ISEB). Weizmann Institute of Science, Rehovot, March 9-10, 2022.
2023	Program committee of the International Society for Molecular Biology (ISMB) / ECCB 2023, in the area of Evolutionary, Comparative and Population Genomics. Lyon, France, July 23-27, 2023.

Supervision of research students

Six of my former PhD students have obtained faculty positions in Israel: Prof. Itay Mayrose, Prof. Adi Stern, Dr. Eyal Privman, Dr. David Burstein, Dr. Ofir Cohen, and Dr. Yaara Oren.
I have supervised or currently supervising 20 PhD students, 27 MSc students, and 9 post doctorate students.

Administrative activities

2003-2006	Coordinator for the research students weekly seminar in the Cell-Biology and Immunology Department, Faculty of Life Sciences, Tel Aviv University
2003-2006	Member of the bioinformatics support unit committee, Faculty of Life Sciences, Tel Aviv University
2004-2008	Member of the M.Sc. committee of the Department of Cell Biology and Immunology, Tel Aviv University
2005-2006	Representative of the lecturers in the Tel Aviv University Senate
2008-2009	Head of the M.Sc. committee of the Department of Cell Biology and Immunology, Tel Aviv University
2004-2012	Head of the undergraduate bioinformatics track in the faculty of Life Sciences, Tel Aviv University
2005-2010	Head of the M.Sc. bioinformatics track in the faculty of Life Sciences, Tel Aviv University
2005-2010,	

2012-2015	Member of the university committee of the SAFRA program for promoting bioinformatics at Tel Aviv University
2007-2010	Academic head of the bioinformatics support unit, Faculty of Life Sciences, Tel Aviv University
2009-2010	Member of the university committee to increase students' registration to Tel Aviv University
2011	Representative of Tel-Aviv University in BioAbroad meetings in New York and Washington D.C. USA
2013-2014	Member of the PhD committee of the Department of Cell Biology and Immunology, Tel Aviv University
2013-2015	Member of the academic appointment committee in the Faculty of Life Sciences, Tel Aviv University
2014-2016	Member of the special committee to revise the life sciences curriculum in the Faculty of Life Sciences, Tel Aviv University
2014-2016	Head, Smolarz Family Graduate School of Life Sciences
2017-2018	Substitute member of the academic appointment committee of Tel-Aviv University
2017-2018	Head of the Ph.D. committee of the School of Molecular Cell Biology & Biotechnology, Tel Aviv University
2017-2018	Member of the Faculty Teaching Committee, Faculty of Life Sciences, Tel Aviv University
2018-2022	Head, The Shmunis School of Biomedicine and Cancer Research (previously, School of Molecular Cell Biology & Biotechnology), Faculty of Life Sciences, Tel Aviv University
2021-	Member, The University Computational Infrastructure Committee, Tel Aviv University
2022-	Member, a committee of The Council for Higher Education for evaluating a program in computational biology

Grants (2017-)

2014-2017	German Israeli Foundation. "A combined computational-experimental approach for the identification, characterization, and evolutionary analysis of <i>T. vaginalis</i> hydrogenosomal proteins and their localization signals". £180,000 (Tal Pupko, PI, 1/2 of sum).
2015-2018	Israel Ministry of Science and Technology. "The analysis of the impact of age on flu vaccination". 2,000,000 NIS (Tal Pupko, PI, 1/4 of the sum).
2016-2017	Israel Cancer Association (Excellence Research Grant). "Unraveling the molecular mechanisms of vulnerability of cancer cells to oncolytic viruses". 150,000 NIS (Tal Pupko, PI, 1/2 of the sum).
2016-2020	United States-Israel Binational Science Grant (BSF). "Estimating insertions and deletions across the tree of life" \$172,800 (Tal Pupko, PI 1/2 of sum).
2016-2021	Israel Science Foundation grant. "Advanced indel models using approximate Bayesian computing (ABC)". NIS 1,360,000 (Tal Pupko, PI the entire sum).
2020-2022	Tel-Aviv University Data Center. "The phylogenetic tree reconstruction game: developing reinforcement-learning algorithms for fast and accurate inference of evolutionary trees". NIS 150,000 (Tal Pupko, PI 1/3 of sum).
2021-2026	Israel Science Foundation grant. "Probabilistic models for indel evolution". NIS 1,350,000 (Tal Pupko, PI the entire sum).
2021	Israel Science Foundation Mid-Career Equipment Grant Program grant. "Probabilistic models for indel evolution". NIS 906,000 (Tal Pupko, PI the entire sum).

Patents

2009 Barzel, A., Privman, E., Burstein, D., Gophna, U., Pupko, T., and Kupiec, M. Method for searching for homing endonucleases, their genes and their targets. PCT/IL2009/000172.

Publications: (Google Scholar H index 57. More than 130 publications)

<https://www.tau.ac.il/~talp/publications/publications.html>