

## Prof. Ronit Satchi-Fainaro, Ph.D.

Head, Cancer Research and Nanomedicine Laboratory  
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**Prof. Ronit Satchi-Fainaro, Ph.D.** is a Full Professor at Tel Aviv University, where she is head of the Cancer Research & Nanomedicine Laboratory, Director of the TAU Kahn 3D BioPrinting Initiative, Director of Cancer Biology Research Center and holds the Kurt and Herman Lion Chair in Nanosciences and Nanotechnologies. She served as Chair of the Department of Physiology & Pharmacology, as President of the Israeli Controlled Release Society (CRS), and Chair of IACUC. She received her B.Pharm. from the Hebrew University in Jerusalem in 1995 and her Ph.D. (*Summa Cum Laude*) in Polymer Chemistry and Cancer Nanomedicine from the University of London in 1999 with Prof. Ruth Duncan. She then spent four years as Postdoctoral Research Fellow at Harvard University and Children's Hospital Boston working with Prof. Judah Folkman on Vascular and Cancer Biology. In 2003, she was appointed Instructor in Surgery at Boston Children's Hospital and Harvard Medical School. She joined Tel Aviv University in 2006. She serves on the Board of Directors of Teva Pharmaceutical Industries, Board of Governors of Tel Aviv University, Member of 8400- The Health network, member of Scientific Advisory Boards of the Blavatnik Center for Drug Discovery, Israel Cancer Association, Hospital Universitari VHIR, University of Lisbon, Rothschild and Fulbright Fellowships Committees, VCs, biotech companies and editorial boards of scientific journals.

Her multidisciplinary research laboratory focuses on basic research elucidating the mechanisms underlying the switch from cancer dormancy leading to the discovery of new molecular targets to interrupt tumor-host interactions. Her approach is followed by the design of highly-selective targeting molecules integrating biology, chemistry, medicine, bioinformatics, and nanotechnology to selectively guide drugs into pathological sites. Throughout, she has maintained an interest in understanding the biological rationale for the design of nanomedicines suitable for transfer into clinical testing. She published more than 150 manuscripts, 13 book chapters, edited 2 books, is named inventor on 70 patents, some of which were licensed to Pharmaceutical and Biotech companies, and has delivered over 500 lectures worldwide. Her students are pursuing careers in academia, industry, and government. She is a founder of 3 spin-off companies and is actively engaged in translational research with several industry partners and in science outreach. She was awarded numerous prestigious grants and prizes among them Fulbright, Rothschild, Wingate, Alon, Young Investigator Award of the European Association for Cancer Research, JULUDAN Prize for the Advancement of Technology in Medicine, the 2013 Teva Pharmaceutical Industries Founders Award for the Discovery of new molecular mechanisms and targets that would lead to new therapeutic approaches, The 2019 CRS Translational Research Award, The 2020 Youdim Family Prize for Excellence in Cancer Research, The 2020 Kadar Family Award for Outstanding Research, the 2020 Michael Bruno Memorial Award, the 2020 Humboldt Foundation Bessel Research Prize, The 2021 3D Printing Industry Award- Medical application of the year, The 2021 Salisbury Award for Entrepreneurial Translational Research by the National Foundation for Cancer Research (NFCR), The 2021 AIM-HI accelerator fund Women's Venture Competition-People's Choice Award and elected to the 2022 CRS College of Fellows recognizing an exceptional individual who has made outstanding and sustained contributions to the field of delivery science and technology over a minimum of 10 years. Her scientific achievements were acknowledged numerous times by inclusion in honorary lists by leading magazines (Power Women List 2022- Forbes, Globes' Woman of the Year 2019, named one of Israel's Top 40 under 40 by The Marker, and by the Calcalist, and as one of 20 most promising Israelis by Yediot Aharonot). She was elected the 2019 Chair of the Gordon Research Conference on Cancer Nanotechnology, was awarded the 2018 Israel Cancer Research Fund Professorship, represented Israel at the 2016 Biennale in Venice on the Influence of Medicine on Architecture, and was awarded several times the European Research Council (ERC) Consolidator, Advanced and Proof of Concept (PoC) Grants.