

Yuval Ebenstein

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Website <https://www.nanobiophotonix.sites.tau.ac.il/>
Research Field(s) DNA chemistry, Epigenetics, Genomics

Academic Career

B.S., 2000, Hebrew University of Jerusalem; Ph.D., 2007, Hebrew University of Jerusalem (advisor: Uri Banin); Postdoctoral Training, 2006-2011, UCLA (advisor: Shimon Weiss); Assistant Professor, 2011-2016, Tel Aviv University; Associate Professor (Tenured), 2016-2021, Tel Aviv University; Professor, 2021-present, Tel Aviv University

Selected Publications

1. <https://doi.org/10.1101/2022.10.31.513813>
2. <https://doi.org/10.1016/j.dnarep.2023.103533>
3. <https://doi.org/10.1021/acsnano.2c12755>
4. <https://doi.org/10.1093/nar/gkac460>
5. <https://doi.org/10.1016/j.bpr.2021.100017>
6. <https://doi.org/10.1016/j.copbio.2018.09.006>

Why My Lab?

The main focus of the group is Single-molecule genomics but we have activity also in development of new optical detection schemes and novel imaging techniques. We explore genomes utilizing tools and reagents from the realm of nano-technology. We try learning new things about these systems by zooming in on individuals - single cells, single chromosomes and single molecules. Research in the lab is highly multi and inter disciplinary and our team is composed of chemists, biologists and physicists who are interested in learning from each other and doing some great (but sometimes risky...) stuff at the very forefront of science.