

Prof. Nitzan Gonen
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Nitzan Gonen received her Ph.D. from the Technion-Israel Institute of Technology, where she studied mechanism leading to antifolate resistance in cancer cells. She conducted her postdoctoral work with Prof. Robin Lovell-Badge at the Francis Crick Institute, London, studying Mammalian sex determination and testis development.

Nitzan joined Bar-Ilan University in 2019, and she is currently heading the Mammalian Sex Determination Laboratory and the BIU Transgenic Facility for generating genome edited embryos. The goal of her research group is to explore the gene regulatory network and main players involved in Mammalian Sex Determination and associated pathologies. They also develop *in vitro* models of the gonads to be used for basic science and applicative aspects.

In recognition of her work, Nitzan was awarded a number of academic honours including the Wolf Foundation Krill Prize for excellence in Scientific Research as well as the European Research Council (ERC) Starting (2022) and Proof of Concept (2025) grants. Nitzan is a fellow of the Young Academy of Europe and a board member of the Israeli Stem Cell Society.

From the popular press:

[Nature News](#), [YNET](#) (A single-nucleotide enhancer mutation overrides chromosomal sex to drive XX male development)

[Haaretz](#) (Towards a "testis in a dish": generation of mouse testicular organoids that recapitulate testis structure and expression profiles)