

Noam Shomron Bio (summary)

Prof. Noam Shomron

Prof. Shomron received his Bachelors degree in Biotechnology at Macquarie University in Sydney, his Masters degree in Gene Therapy at the Hebrew University of Jerusalem; and his graduate studies in Genetics at Tel Aviv University where he worked on regulatory RNA systems.

As a Post-Doctorate affiliate at MIT in Cambridge, he gained expertise in combining high-throughput data with computational analysis in order to decipher gene regulation in health and disease.

Prof. Shomron joined the academic staff of Tel Aviv University in 2008 and today he is a Professor in the School of Medicine at Tel Aviv University in addition to leading a team at the Tel Aviv University's Center for Innovation Laboratories (TILabs). He also heads the Functional Genomic Team at the Faculty of Medicine, the Director of Djerassi Institute of Technology, and the Director at the Rare Genomics Institute - Israel.

He leads a multidisciplinary team of research scientists that focus on the analysis of genomics aimed at understanding human diseases. Combining high-throughput methods and bioinformatics (such as AI and deep learning), his team's research explores DNA changes and gene regulators. His goal is to reach a global perspective on the roles DNA and RNA play during disease development in order to facilitate translating ideas into clinical reality. He is the Co-Founder and Chief Scientific Officer of Variantyx, which provides clinical interpretation of whole genome sequences; as well as GotSho and IdentifAI.

In his spare time (!), he is Editor-in-Chief of "Genetics Research" (published by Cambridge University Press); Editor of the "Deep Sequencing Data Analysis" book series and Academic Director of ScienceAbroad.