



International Conference

THE MICROBIOME THROUGHOUT LIFE

Translating new science into clinical practice

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NISSAN YISSACHAR

Prof. Nissan Yissachar is an Associate Professor at the Faculty of Life Sciences, Bar-Ilan University, where his research focuses on host-microbiome interactions and their regulation of immune function in health and disease. He earned his Ph.D. in Molecular Biology at Bar-Ilan University with Prof. Benny Motro, followed by postdoctoral training in immunology at the Weizmann Institute of Science with Prof. Nir Friedman z"l, and at Harvard Medical School with Profs. Diane Mathis and Christophe Benoist.

Prof. Yissachar pioneered an innovative ex vivo gut organ culture system that revealed a previously unrecognized role for the enteric nervous system in mediating microbiota-immune crosstalk. His work dissects the molecular mechanisms governing neuro-immune-microbiota communication and has provided fundamental insights into how microbiome alterations shape immune development and function in autoimmunity, chronic inflammation, and cancer.

