Natalie Artzi is a biomedical scientist and engineer whose work in structural nanomedicine is reshaping therapeutic and diagnostic strategies. Her research centers on engineering nanostructures with precise molecular and cellular architectures, enabling targeted, responsive, and effective treatment delivery. Natalie is a Hansjörg Wyss Associate Professor of Biologically Inspired Engineering at Harvard Medical School, Head of Structural Nanomedicine at Mass General Brigham's Gene and Cell Therapy Institute, and Associate Institute Director of the Wyss Institute for Biologically Inspired Engineering at Harvard University. Natalie has earned numerous honors, including the 2025 Dr. Alexander M. Cruickshank (AMC) Lecturer at the Gordon Research Conference on *Cancer Nanotechnology*, 2024 Rosemary Schnell Distinguished Lecture Award from the International Institute for Nanotechnology, 2024 Acta Biomaterialia Silver Medal, the 2024 Clemson Award for Applied Research, and the Society for Biomaterials Mid-Career Award.