

Tzipi Horowitz-Kraus, PhD



Tzipi Horowitz-Kraus, Ph.D., is an Associate Professor in the Faculty of Education in Science and Technology and the Faculty of Biomedical Engineering at the Technion – Israel Institute of Technology, where she directs the Educational Neuroimaging Group (ENIG). She also serves as an Associate Professor at the Kennedy Krieger Institute and Johns Hopkins University School of Medicine. Her research focuses on the role of executive functions and audiovisual integration in reading fluency among children with neurodevelopmental disorders, as well as in those whose difficulties stem from environmental factors such as excessive screen exposure, limited literacy environments, and trauma. Using multimodal neuroimaging and targeted interventions, she tracks the developmental trajectories of these processes from infancy and evaluates strategies to improve them. Dr. Horowitz-Kraus has published more than 100 peer-reviewed papers and leads several international grants on child brain and literacy development. She is Executive Chair for Education and Communication at the Flux Society, a board member of the International Mind, Brain and Education Society, and an active member in scientific societies on neuroscience, pediatrics, and reading.