

James Sulzer, PhD is an Assistant Professor at the University of Texas at Austin. He received his BS in Mechanical Engineering from the Ohio State University and his PhD in Mechanical Engineering from Northwestern University and the Rehabilitation Institute of Chicago (now Shirley Ryan AbilityLab. He was awarded the ETH Fellowship and conducted his postdoctoral fellowship at the Swiss Federal Institute of Technology in Zurich (ETHZ). He is the Director of the Rehabilitation with Insight from Robotics and Engineering (Rewire) Lab, the founder and co-Director of the rehabilitation research consortium, the CARE Initiative, at UT Austin, and the founder of the International Real-time Functional Imaging and Neurofeedback (rtFIN) community and creator of its biennial conference. His research spans rehabilitation engineering, including post-stroke gait exoskeletal assistance, functional magnetic resonance imaging as real-time neurofeedback, wearable sensors to quantify therapy dosage, and biomechanical and neurophysiological approaches to examine post-stroke gait.

Lindsay S. Karfeld-Sulzer, PhD is Chief Technology Officer of TeVido BioDevices. She completed her BSE in Chemical Engineering at Princeton University and her PhD at Northwestern University in Chemical and Biological Engineering, followed by her postdoctoral fellowship at the University of Zurich. Her research and professional experience centers on regenerative medicine, tissue engineering and biomaterials. Specifically, she developed hydrogels for islet cell transplantation, created more effective MRI contrast agents, engineered growth factors and a delivery system for bone and intervertebral disc repair, explored vascularized soft tissue replacement and most recently developed a cell therapy for skin pigmentation disorders.