I have a background in Computer Science and Computational Neuroscience. My group focuses on the development of technologies for reproducible research and the application of technology to mental illness. We use brain imaging, machine learning, and scalable technologies like smartphones and wearables to improve relating individuals. We have a specific focus on understanding the neural basis of human spoken communication and using how we speak and what we speak as proxies for assessing and tracking mental health. We complement this with the development of workflow platforms, algorithms for information representation, and curation of structured information.