Dr. Walter Greenleaf

Abstract: "Biomarkers, Wearables, Analytics, XR Platforms - Converging to Personalize Therapy for MentalHealthcare."

The onrushing wave of Virtual Reality and Augmented Reality technology will profoundly impact healthcare.
Working in concert with data analytics provided by wearable technology, VR and AR technology will shift the locus of clinical care from the hospital and the clinic to the home and workplace, and through improved analytics enable personalized medicine.
We know from decades of clinical research that VR/AR technology can provide breakthrough solutions that address the most difficult problems in healthcare - ranging from mood disorders such as anxiety and depression to PTSD, addictions, autism, cognitive aging, stroke recovery, and physical rehabilitation, to name just a few.
Individualized health and wellness protocols/treatment plans can be enhanced by using VR and AR to promote adherence and to encourage healthy lifestyles.
As the cost of healthcare rises, VR and AR technology can serve as an effective telemedicine platform to reduce costs of care delivery and improve clinical efficiency.

Bio:
Walter Greenleaf is a neuroscientist and a medical technology developer working at Stanford University. Walter's current research focus is on developing computer supported clinical products, with a specific emphasis on applying virtual reality and digital health technology to address difficult problems in behavioral and physical medicine such as Post-traumatic Stress, Anxiety Disorders, Depression, Traumatic Brain Injury and Stroke, Addictions, and Autism Spectrum Disorder. Dr. Greenleaf is a Distinguished Visiting Scholar with mediaX at Stanford University, a Visiting Scholar at Stanford University's Virtual Human Interaction Lab, and the Director of Technology Strategy at the University of Colorado National Mental Health Innovation Center. He previously served as the Director of the Mind Division at the Stanford Center on Longevity, with a focus on age-related changes in cognition. Walter earned a Ph.D. in Neuro and Bio-Behavioral Sciences from the Stanford University School of Medicine, where he was awarded a NIMH Graduate Fellowship.