Walter Greenleaf, PhD

Walter Greenleaf is a behavioral neuroscientist and a medical technology developer working at Stanford University. With over three decades of research and development experience in the field of digital medicine and medical virtual reality technology, Walter is considered a leading authority in the field. Dr. Greenleaf has designed and developed numerous clinical systems over the last thirty-three years, including products in the fields of: surgical simulation, 3D medical visualization, telerehabilitation, clinical informatics, clinical decision support, point-of-care clinical data collection, ergonomic evaluation technology, automatic sleep-staging systems, psychophysiological assessment, and simulation-assisted rehabilitation technologies, as well as products for behavioral medicine.

As a research scientist, Dr. Greenleaf's focus has been on age-related changes in cognition, mood, and behavior. His early research was on age-related changes in the neuroendocrine system and the effects on human behavior. He served as the Director of the *Mind Division*, Stanford Center on Longevity, where his focus was on age-related changes in cognition. He is currently a *Distinguished Visiting Scholar* at Stanford University's MediaX Program, a Visiting Scholar at Stanford University's *Virtual Human Interaction Lab*, the *Director of Technology Strategy* at the University of Colorado National Mental Health Innovation Center, and a member of the Board of Directors for <u>Brainstorm</u>: *The Stanford Laboratory for Brain Health Innovation and Entrepreneurship.*

As a medical technology developer, Dr. Greenleaf's focus has been on computer supported clinical products, with a specific focus on virtual reality and digital health technology to treat Post-traumatic Stress Disorder (PTSD), Anxiety Disorders, Traumatic Brain Injury and Stroke, Addictions, Autism, and other difficult problems in behavioral and physical medicine.

Dr. Greenleaf founded and served as CEO for *Greenleaf Medical Systems*, a business incubator; *InWorld Solutions*, a company specializing in the therapeutic use of virtual worlds for behavioral health care; and *Virtually Better*, a company that develops virtual environments for the treatment of phobias, anxiety disorders, and PTSD. In addition to his research at Stanford University, Walter is SVP of Strategic & Corp. Affairs to *MindMaze* and Chief Science Advisor to *Pear Therapeutics*. He is a VR technology and neuroscience advisor to several early-stage medical product companies, and is a co-founder of *Cognitive Leap*.

Walter has served as a scientific advisor and grant reviewer for the U.S. Public Health Service, National Science Foundation (NSF), National Institutes of Health (NIH), NASA and the U.S. Department of Education. He has served as a Principal Investigator for research grants funded by NIH and NASA. Dr. Greenleaf helped start *the California State University Center for Disability Solutions* and serves on the Board of Directors for the *International Society of Virtual Rehabilitation*.

Dr. Greenleaf earned a Doctorate in *Neuro and Bio-Behavioral Sciences* from the Stanford University School of Medicine, where he was awarded an NIMH Graduate Fellowship.

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