Walter Greenleaf, PhD

Dr. Walter Greenleaf, PhD is a behavioral neuroscientist and a medical product developer.

As a research scientist, Dr. Greenleaf's focus has been on age-related changes in cognition, mood and behavior. He served as the *Director for 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, and a Visiting Scholar at Stanford University's *Virtual Human Interaction Lab*.

As a medical product 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 is known internationally as an early pioneer in the medical application of virtual environment technology, and is viewed as one of the founders of the field. He has designed and developed several clinical product streams over the last twenty-seven 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.

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. He currently is Chief Science Officer at *Pear Therapeutics*.

He has served as a scientific adviser and 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*.

Walter Greenleaf has a PhD in Neuro and Bio-behavioral Sciences from Stanford University

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Education

Ph.D. **Stanford University** Neuro and Bio-Behavioral Sciences - NIMH fellowship 1988

B.A. **Hampshire College** Amherst MA 1979

Honors and Contributions

- Board of Advisors: *USC Rehabilitation Engineering Research Center Technologies for Successful Aging with Disability*

- NIH SPIR Principal Investigator: Telemedicine Applications for Rehabilitation

- Grant Reviewer and Expert Advisor

  U.S. Public Health Service
  National Institutes of Health
  National Aeronautics and Space Administration
  U.S. Department of Education – NIDRR
  National Science Foundation

- Founder and Executive Board; ISVR - *International Society of Virtual Rehabilitation*

- Contributing Editor to *CyberPsychology & Behavior*

- Recent Invited Keynote Presentations:

  Innovation Symposium International, Bogota Columbia
  International Forum on Telemedicine and Cyberpsychology
  New York Academy of Sciences
  Int. Conf. on Virtual Rehabilitation, Alzheimer's Disease, and Cognitive Aging
  Serious Games and Creativity, Bilbao Spain
  International IEEE Biomedical Conference
  American Psychological Association
  International RESNA Conference
  International Occupational Therapy Research Symposium
  International Convention On Psychological Communication

- Guest / Pundit: *NextStep, The Phil Donahue Show, Beyond 2000* and *CNN*

- Conference organizer/science chair to several academic conferences

  MEDVR, ISVR, CyberPsychology, CSUN, VR & Disabilities and others

- Invited Judge - *Annual International Medical Device Design Awards*

Patents

- US Patent Application #20050192514: Audiological Treatment System and Methods

Key Skills

- Group leadership and team building
- Establishing and managing strategic partnerships
- Medical product design and commercialization
- Public speaking and advocacy
- Clinical research
- Project Management