

Neuroscience meets Technology

A Vision of the Future of Brain Optimization



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Co-Founder
Akili Interactive Labs, Sensync & Jazz Venture Partners

Enhance Cognition

Status Quo

- Poor assessments
- Poor targeting
- Non-personalized
- Unimodal
- Open Loop

targeted

personalized

multimodal

closed-loop

Technology



Experience



Brain Plasticity

Closed Loop Video Games System

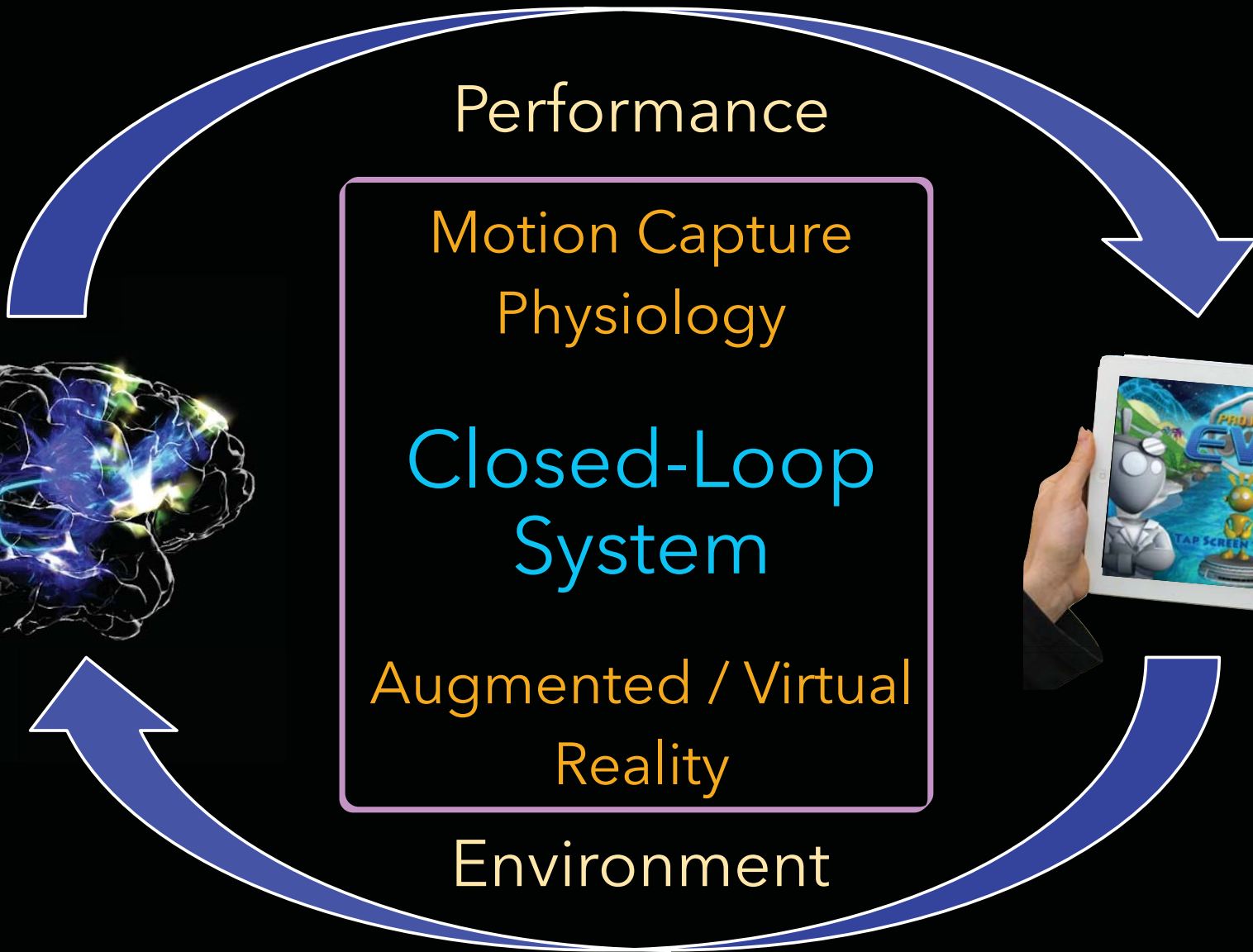
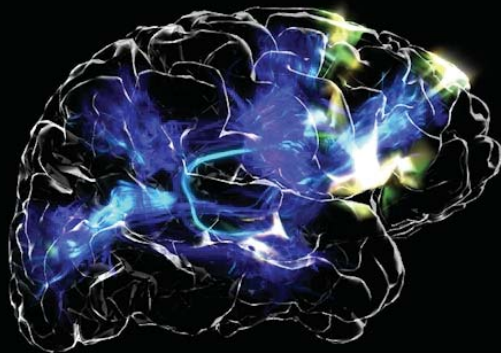
Performance

Motion Capture
Physiology

Closed-Loop
System

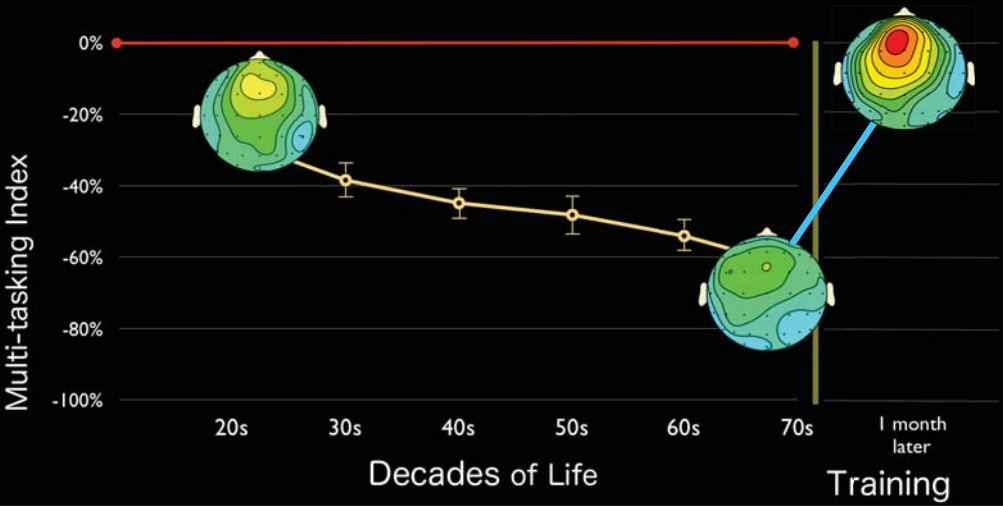
Augmented / Virtual
Reality

Environment





Multitasking Performance





Co-founder and Chief Science Advisor



Diagnostic & Therapeutic Video Games



Diagnostic & Therapeutic Video Games

Autism

ANXIETY

Depression

PTSD

ADHD

TRAUMATIC
BRAIN INJURY

Alzheimer's

Memory & Aging

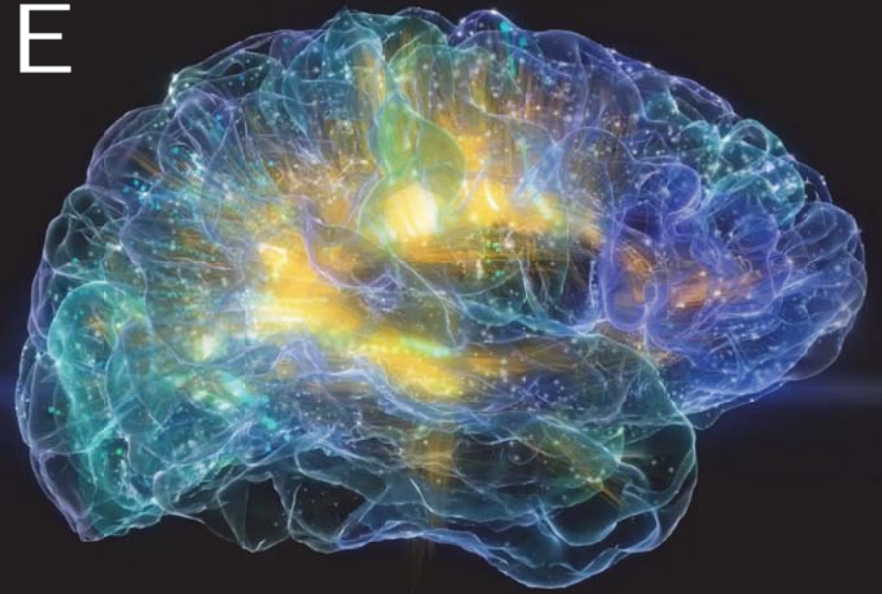
MULTIPLE SCLEROSIS

Potential: FIRST  Cleared Non-Drug treatment for ADHD

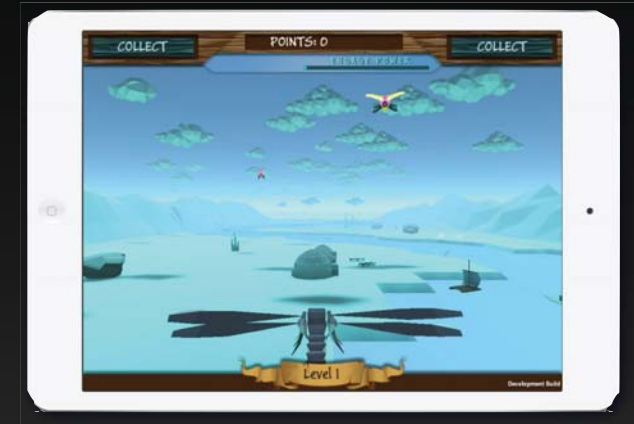
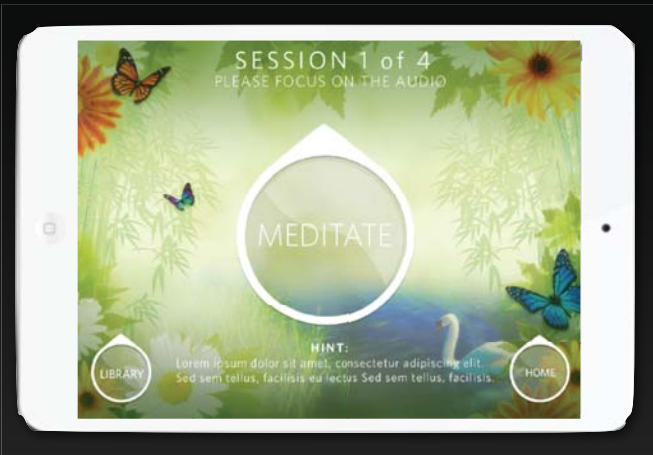
NEURSCAPE



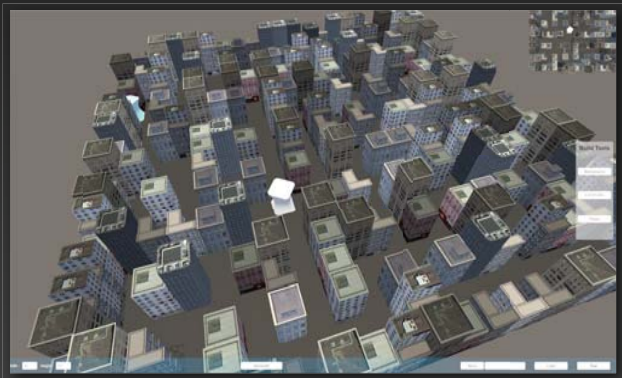
Bridging the Gap Between
Technology and Neuroscience



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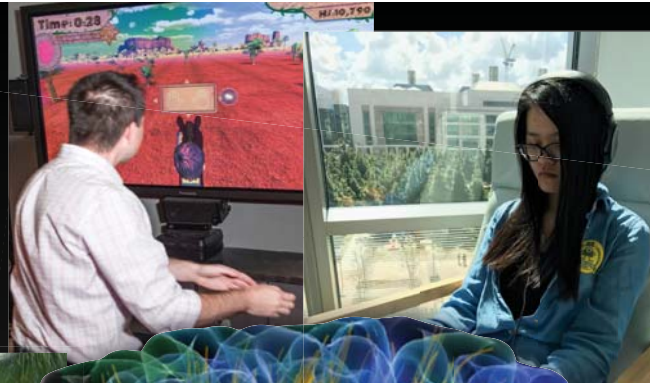
New Games





New Games





Intervention Research

Double-Blinded, Randomized, Placebo-Controlled

Transfer

Sustainability

Mechanism

Heterogeneity

- sMRI
- fMRI
- EEG
- GSR
- VO2max

- cognition
- behavior
- stress
- mood
- sleep

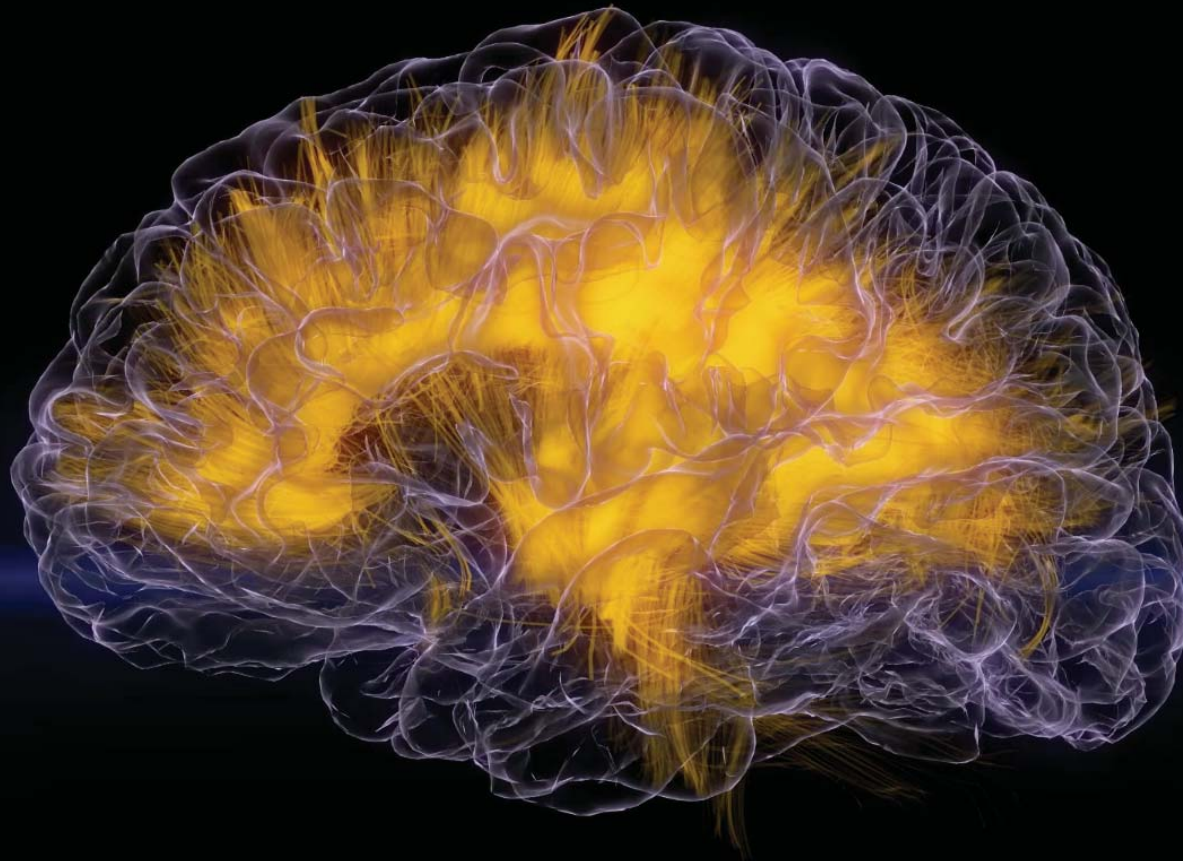
- telomeres
- inflammation
- hormones
- enzymes
- genes

Enhance the Effects

Neuromodulation

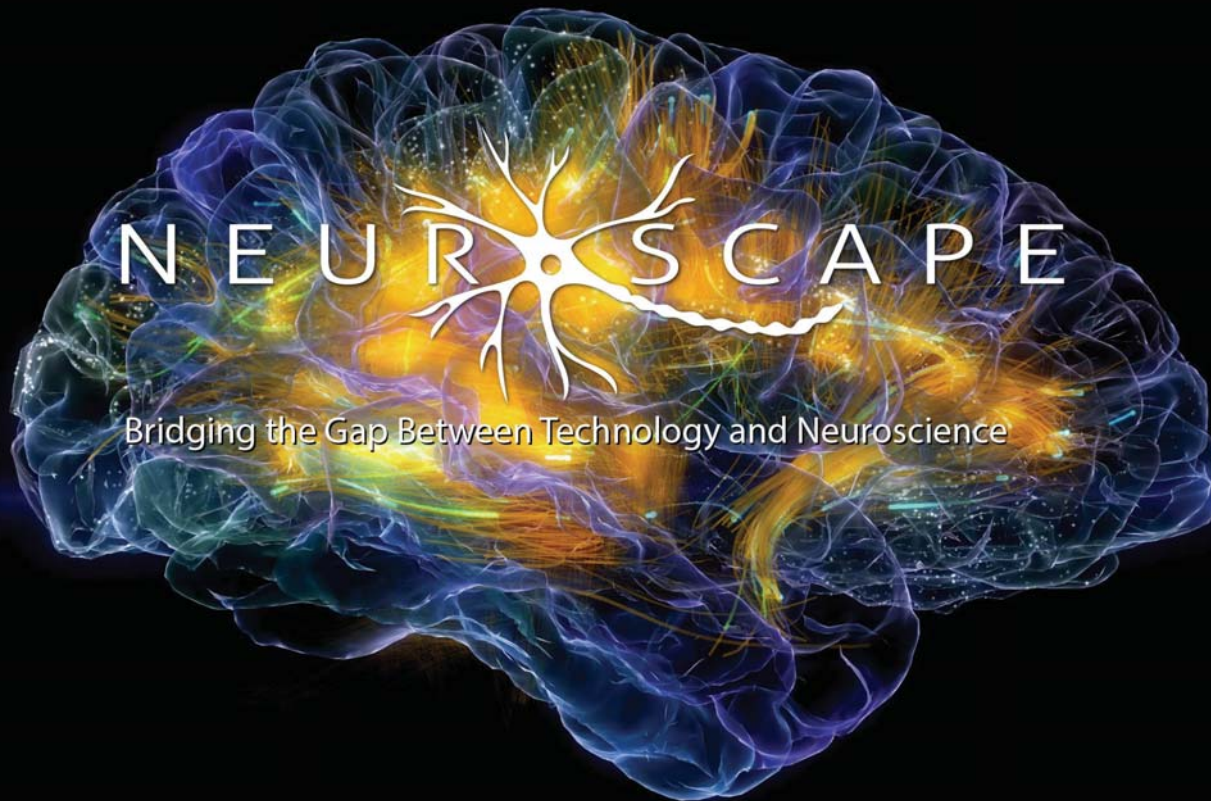
Neurofeedback





GlassBrain

Thanks for your attention



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- Kavli Foundation
- Feldman Family Foundation
- Ellison Medical Foundation
- Grammy Foundation
- Laney and Pasha Thornton
- Pfizer / Eisai
- Posit Science
- Apple
- Sony
- NVIDIA

Current

- National Institute on Aging
- National Science Foundation
- How I Decide Foundation
- Biggelsworth Foundation
- Verily
- Toyota

Network

- Sara & Ev Williams
- Elise & Tully Friedman
- Dolby Family
- Roberta & Jamie Gates
- Jeff Stone
- Caryl & Mickey Hart

Industry Partners

- Neuroelectrics
- Zynga
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- Brain Vision
- Qusp