Preliminary Agenda  
Wednesday, September 6  
updated 8/3/17

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker</th>
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<tr>
<td>11:00 am</td>
<td>Registration &amp; Expo</td>
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<tr>
<td>1:00 pm</td>
<td>Welcome</td>
<td>Linda Raines, CEO, BrainFutures</td>
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<tr>
<td>1:10 pm</td>
<td>The Brain’s Way of Healing</td>
<td>Norman Doidge, MD, Psychiatrist, Psychoanalyst, Researcher and Author</td>
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<tr>
<td>3:10 pm</td>
<td>Break</td>
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<tr>
<td>3:30 pm</td>
<td>Magnetic and Electrical Brain Stimulation and Healing</td>
<td>Alvaro Pascual-Leone, MD, PhD, Professor of Neurology and Director, Berenson Allen Center for Noninvasive Brain Stimulation, Harvard Medical School</td>
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<tr>
<td>4:15 pm</td>
<td>The Central Importance of Diet, Exercise and Lifestyle Choices in Brain Health</td>
<td>John Ratey, MD, Clinical Professor of Psychiatry, Harvard Medical School</td>
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<td>5:00 pm</td>
<td>The Distracted Mind: Ancient Brains in a High Tech World</td>
<td>Adam Gazzaley, MD, PhD, Professor of Neurology, Physiology and Psychiatry, and Executive Director, Neuroscape, University of California, San Francisco</td>
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<td>5:30 pm</td>
<td>The Future of Brain Health and Enhancement</td>
<td>Alvaro Fernandez, SharpBrains’ CEO &amp; Editor in Chief and Member of the World Economic Forum’s Council on the Future of Human Enhancement</td>
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<tr>
<td>6:00 pm</td>
<td>Reception and Expo</td>
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Thursday, September 7

7:00 am  Breakfast and Expo

8:30 am  Scaling Science to Practice Innovation

Moderator: Charlie Hartwell, Operating Partner, the Bridge Builders Collaborative
Kathleen Herath, RN, BSN, CRRN, Associate Vice President, Health & Productivity, Nationwide Insurance
Ofer Leidner, CoFounder and President, Happify
John Sullivan, Sport Scientist and Clinical Sport Psychologist

Angel investor Charlie Hartwell teams up with Nationwide Insurance VP Kathleen Herath, NFL/NCAA sports psychologist John Sullivan and Happify President Ofer Leidner for a lively discussion of what it takes to successfully move innovation to scale.

9:30 am  Workshop 1

10:40 am  Break

11:00 am  Workshop 2

12:00 pm  Lunch and Expo

1:00 pm  Workshop 3

2:10 pm  Transforming Health Care Through Virtual Reality

Walter Greenleaf, PhD, Professor, Virtual Human Interaction Lab, Stanford University

Virtual reality legend Dr. Walter Greenleaf believes virtual reality technology will transform health care. An internationally recognized research neuroscientist and medical product developer working at Stanford University, he will address the use of VR to treat post-traumatic stress disorder, anxiety disorders, traumatic brain injury, addictions, autism, cognitive decline and other difficult problems in behavioral and physical medicine.

2:40 pm  Military Mental Health

Moderator: General Peter Chiarelli, CEO, One Mind
Former US Representative Patrick Kennedy, Founder, The Kennedy Forum
Marsden McGuire, MD, Acting Chief Consultant, Office of Mental Health & Suicide Prevention, US Dept of Veterans Affairs
Kate Sullivan, MS, CCC-SLP, CBIS, Director, Brain Fitness Center, Walter Reed National Military Medical Center

Led by retired US Army General Peter Chiarelli, this panel will explore the ongoing crisis in care for returning veterans, profile promising initiatives of the US Department of Veterans Affairs and Walter Reed’s Brain Fitness Center, and advance a call to action to reform brain health services provided to our men and women in uniform.

3:30 pm  Break

3:45 pm  Workshop 4

4:45 pm  Ten Percent Happier

Dan Harris, ABC News (invited)

ABC News correspondent and Nightline co-anchor Dan Harris is the author of the New York Times bestseller 10% Happier: How I Tamed the Voice in My Head, Reduced Stress Without Losing My Edge and Found Self-Help That Actually Works. Dan will share his path to mindfulness and engage in a lively conversation with guests in our closing plenary.

5:30 pm  Adjourn
September 7 Workshop Track 1: Mental Health and Substance Use Disorder Treatment

1) Quality, Efficacy, Regulation and Reimbursement (9:30-10:40 am)

Moderator: Henry Harbin, Health Care Consultant
General Peter Chiarelli, CEO, One Mind
Adam Gazzaley, MD, PhD, Chief Science Officer, Akili
Walter Greenleaf, PhD, Chief Science Officer, Pear Therapeutics
Carlos Pena, PhD, MS, Director, Neurological and Physical Medicine Devices Div., US Food & Drug Administration
Hyong Un, Chief Psychiatric Officer, Aetna

This session will explore the role of the FDA, other quality regulatory processes and payers in the evolution of digital treatments, featuring Akili, a company developing a consumer video game interface for treatment of ADHD, autism, depression and traumatic brain injury; and Pear Therapeutics, a company developing prescription digital therapeutics and drug/software combinations for treatment of substance use disorders, schizophrenia, PTSD and generalized anxiety disorder.

2) Magnetic and Electrical Stimulation in Behavioral Health Treatment (11:00 am - Noon)

Ana Maiques, CEO, Neuroelectrics
Nick Dogris, CEO, Neurofield

Neuroelectrics’ pioneering work in advancing the science and application of tDCS (transcranial direct current stimulation) to address a wide range of health conditions will be shared, including ADHD, autism and depression. This will be followed by an in depth presentation on the use of Neurofield’s low intensity transcranial magnetic stimulation devices for the treatment of a variety of behavioral health conditions, drawing on the founder and inventor’s 20 years of clinical experience as a BCIA certified neurofeedback practitioner.

3) From Pharmacogenetics to Psychedelics: Promising Medication Advances (1:00-2:10 pm)

George Carpenter IV, CEO, Mynd Analytics
Jay Lombard, CoFounder, Chief Scientific Officer and Medical Director, Genomind
Bill Richards, PhD, Johns Hopkins University School of Medicine, Psilocybin Research Project

This session will examine two diverse innovations in the use of pharmaceutical agents. We will explore the promise of personalized medicine in reducing trial and error prescribing for the treatment of mental health conditions, through the innovative work of two companies using neuroimaging and genetics to improve the selection of medications for the treatment of mental health conditions. And we’ll hear from a pioneering researcher investigating clinical uses for psychedelic drugs. Dr. Bill Richards is today revisiting promising research he was involved in 40 year ago, and will share results of trials at Johns Hopkins and NYU, which found that a single dose of medical grade psilocybin eased anxiety and depression for up to six months among cancer patients.

4) Digital Technologies for Treatment, Assessment and Health (3:45-4:45 pm)

Moderator: Pamela Greenberg, President & CEO, Association for Behavioral Health and Wellness
Dror Ben-Zeev, PhD, Director, mHealth for Mental Health, Department of Psychiatry, University of Washington
Scott Cousino, CEO & Co-Founder, myStrength
Sherry Dubester, MD, MS, Vice President, Behavioral Health and Clinical Programs, Anthem, Inc.
Cori Lathan, PhD, Founder and CEO, Anthrotronix

This panel will explore a range of digital technologies, including:
- the FOCUS smartphone app for psychosis, which helps individuals living with schizophrenia to manage symptoms of psychosis, and has achieved an 86% usage rate in recent trials,
- the Dana Brain Vital, originally developed to monitor the brain health of soldiers, which offers potential to fill a glaring gap in routine visits to the doctor, dramatically reducing health costs and improving outcomes,
- MyStrength, a digital resource that complements medication, therapy and other forms of care, which gives users support that is affordable, accessible and devoid of the negative image that mental health care sometimes carries.
September 7 Workshop Track 2: Brain Fitness and Healthy Aging

1) The Practical Application of Neuroscience Findings to Maintain Healthy Brains as We Age (9:30-10:40 am)

   Moderator: Thomas R. Insel, MD, Co-Founder and President, Mindstrong Health
   Sandra Chapman, PhD, Founder and Chief Director, Center for Brain Health, University of Texas at Dallas
   Michael Merzenich, MD, Chief Scientific Officer, Posit Science and Professor Emeritus, University of California, San Francisco

   Led by former NIMH Director Tom Insel, this panel, collectively representing more than 125 years of neuroscience leadership, will offer a glimpse of Dr. Insel’s bold plans at Mindstrong Health; present the impressive evidence supporting the work of 2016 Kavil Prize recipient Dr. Michael Merzenich, in reducing depression risk, improving cognition and memory, and delaying the onset of dementia, through his work at Posit Science; and share Dr. Sandra Chapman’s groundbreaking work at the Center for Brain Health, and her audacious challenge to translate relevant applications as quickly as possible to measurably improve brain health across the lifespan and globe.

2) Two Approaches to Cognitive Remediation (11:00 am - Noon)

   Sarah Shizuko Morimoto, Psy.D, Assistant Professor of Psychology in Psychiatry, Weill Cornell College of Medicine
   Majid Fotuhi, MD, Medical Director, Neurogrow Brain Fitness Center

   In response to her research identifying a singular cognitive deficit that predicts non-remission with conventional antidepressants, Dr. Shizuko Morimoto has developed a computerized cognitive remediation for older adults with depression, which targets and changes the underlying neural circuit dysfunction, and effectively treats both cognitive and affective symptoms of the disorder. Dr. Majid Fotuhi is a Harvard and Hopkins trained neurologist who operates the Neurogrow Brain Fitness Center, a pioneering neurology practice that offers a science-based program to boost memory and grow the memory parts of the brain.

3) Holistic and Mindful Aging (1:00-2:10 pm)

   Moderator: James Gimian, Executive Director, The Foundation for a Mindful Society
   Sarah Lenz Lock, JD, Senior Vice President for Policy, AARP and Executive Director, Global Council on Brain Health
   Craig Fontenot, Vice President, Product Strategy and Development, AARP
   Joel Kahn, Chief Operating Officer & Chief Medical Officer, eMindful
   Graeme Moffat, PhD, Vice President of Scientific and Regulatory Affairs, InteraX

   This panel will explore the five pillars of brain health, presenting AARP’s approach to holistic brain health through Staying Sharp and the Global Council on Brain Health, followed by a focused look at the use of meditation to build resiliency, reduce stress and improve productive and quality of life, featuring eMindful’s online and mobile approach, and InteraX’s Muse, a sensory headband that simplifies meditation and provides real-time feedback to your phone.

4) Social Connection and Brain Health (3:45-4:45 pm)

   Michelle Carlson, PhD, Associate Professor of Psychology, Johns Hopkins Bloomberg School of Public Health
   Moshe Pinto, Founder, Wider Circle

   Dr. Michelle Carlson’s lab integrates functional neuroimaging, mobile technologies and lifestyle approaches to delay and prevent the onset of dementia. She studied the impact of AARP Foundation’s Experience Corps, a Baltimore City older adult school volunteer program, and found benefits for youth and positive impact on the brain health of volunteers, who experienced mitigation or reversal of age-related brain atrophy. Research documenting the critical importance of human connection as we age and the low rate of dementia among people with face to face social networks, led Moshe Pinto to create Wider Circle, a network of groups creating purposeful connection for older adults in California which is partnering with community-based organizations, health plans and city governments.
September 7 Workshop Track 3: Brain Fitness, Youth and Learning

1) Novel Programs Making Change in the Classroom (9:30-10:40 am)
Moderator: Nancy Grasmick, PhD, Co-Director, Center for Innovation and Leadership in Special Education, Kennedy Krieger Institute
Ali Smith, Founder, Holistic Life Foundation
Vance Benton, Principal, Patterson High School, Baltimore, Maryland
Jacque Gamino, PhD, Director, Adolescent Reasoning Initiative, Center for Brain Health, University of Texas at Dallas
Jonathan Smith, Principal, Thomas W Browne Middle School, Dallas, Texas
Through a comprehensive and evidence-based approach which helps children develop their inner lives through yoga, mindfulness and self-care, the Holistic Life Foundation demonstrates deep commitment to learning, community and stewardship of the environment. We’ll learn from program founder Ali Smith and high school principal Vance Benton how the program is transforming student lives in Baltimore. Dr. Jacque Gamino and Dallas middle school principal Jonathan Smith will present the science and outcomes of SMART, a research-based classroom intervention for teenagers, which has equipped 50,000 youth with advanced reasoning skills, and significantly increased academic performance among students living in poverty.

2) Neurofeedback: an Effective Intervention for ADHD and Other Youth Disorders (11:00 am – Noon)
Moderator: Shanti Fry, BrainFutures Advisor
Laurence Hirshberg, PhD, BCN, Director, Neurodevelopment Center & Clinical Assistant Professor, Alpert Medical School, Brown University
Naomi Steiner, MD, Attention Tutoring and Clinical Associate Professor, Boston University School of Medicine
A licensed psychologist specializing in neurodevelopmental disorders, Dr. Laurence Hirshberg will explain neurofeedback, its use in treating ADHD and other disorders at the Neurodevelopment Center, and share his experience as a licensed psychologist with 25 years of experience in the field. Boston University Medical School’s Dr. Naomi Steiner will share her expertise as a pediatrician treating children with ADHD and as the founder of Attention Tutoring, and share her research outcomes using computer attention training and neurofeedback in Boston schools.

3) Enhancing School Performance with Computer Brain Training and Physical Exercise (1:00-2:10 pm)
Moderator: Amy Kennedy, Education Director, The Kennedy Forum
Bruce Wexler, MD, Professor Emeritus of Psychiatry, Yale School of Medicine, and Founder, C8 Sciences
Kisya L. Johnson, Transformation Specialist, Duval County Schools, Jacksonville, Florida
Martha Burns, PhD, Director of Neuroscience Education, Scientific Learning
Jody Woodrum, Assistant Superintendent, Starkville-Oktibbeha Consolidated School District, Mississippi
Dr. Bruce Wexler and Duval County Schools’ Kisya Johnson will share the ACTIVATE™ program’s research and outcomes, profiling improvements in reading and math scores among Florida second graders. Developed by Yale neuroscientists, ACTIVATE’s three components: cognitive software, physical exercise and NIH assessments are particularly beneficial for youth with ADHD and other disorders. Dr. Martha Burns will explain how the principles of neuroplasticity are applied in Fast ForWord’s evidence-based computerized reading program which is combined with trained educational consulting. The program remedies underlying difficulties that keep struggling readers and English language learners from making progress, and Assistant Superintendent Jody Woodrum will share results in her Mississippi school district.

4) MindUp and Wrap Up: A Mindful Approach to Improving School Outcomes (3:45-4:45 pm)
Moderator: John Cammack, Cammack Associates
Hawn Foundation presenters tbd
Kisya L. Johnson, Transformation Specialist, Duval County Schools, Jacksonville, Florida
Richard Lemons, Deputy Director, Connecticut Center for School Change
Bruce Wexler, MD, Professor Emeritus of Psychiatry, Yale School of Medicine, and Founder, C8 Sciences
Leaders from Goldie Hawn’s Foundation will share the results of MindUP’s school-based program, which serves more than 1 million children across the globe through a mindfulness-based curriculum that drives positive behavior, improves learning outcomes and increases optimism and compassion. The track will close with a discussion on scaling-evidence-based innovation in schools. Richard Lemons will share his perspective on challenges and effective strategies in translating scientific advances to learning environments, accompanied by innovators Kisya Johnson and Bruce Wexler.