

Agenda

- 5:00 p.m. *Introduction: A Technological Approach to Neurorehabilitation*
Jason B. Carmel, M.D., Ph.D.
- 5:05 p.m. Listening in on the Brain - What EEG can do for Neurorehabilitation
Jeremy Hill, Ph.D.
- 5:25 p.m. A Moving Experience - Inferring Visual Function from Opto-Kinetic Tracking
Glen Prusky, Ph.D.
- 5:45 p.m. Robotic Training of Gait and Balance in Children with Cerebral Palsy
Sunil K. Agrawal, Ph.D.
- 6:05 p.m. Break
- 6:15 p.m. Non-Invasive Brain Stimulation: Mapping and Changing Brain Function in People with Cerebral Palsy
Kathleen Friel, Ph.D.
- 6:35 p.m. Augmentative and Alternative Communication (AAC) - A Review of State-of-the-Art Technologies and their Use in Pediatrics
Marnina Allis, CCC SLP
- 6:55 p.m. *Conclusion: How to Incorporate Emerging Technologies*
Jason B. Carmel, M.D., Ph.D.

Emerging Technologies in Pediatric Neurorehabilitation

This course will introduce participants to state-of-the-art and emerging technologies to improve neurological function in children. Both research and clinical tools to measure and improve brain function will be discussed.

Course Fee: \$30

Register here:

Blythedale-Burke.ezregister.com

Or contact: (914) 592-7555 ext.
71383, or
research@blythedale.org

CEU Credits for Occupational Therapists
and Physical Therapists.

CMH credits for Speech-Language
Pathologists and Audiologists.



Course Instructors

Jason B. Carmel, M.D., Ph.D.
Assistant Professor, Weill Cornell Medicine
Director, Research, Blythedale
Director, Motor Recovery Laboratory, Burke

Sunil K. Agrawal, Ph.D.
Professor, Columbia University
Director, Robotics and Rehabilitation
Laboratory, Columbia University
Director, Robotic Systems Engineering
Laboratory, Columbia University

Kathleen M. Friel, Ph.D.
Assistant Professor, Weill Cornell Medicine
Director, Cerebral Palsy Research, Blythedale
Director, Clinical Laboratory for Early
Brain Injury Recovery, Burke

Glen Prusky, Ph.D.
Professor, Weill Cornell Medicine
Director, Vision Recovery Program, Blythedale
Director, Center for Vision Restoration, Burke

Jeremy Hill, Ph.D.
Instructor, Weill Cornell Medicine
Director, Neurotechnology, Blythedale
Instructor, Center for Vision Restoration, Burke

Marnina Allis, CCC SLP
Senior Speech Language Pathologist,
Blythedale
Coordinator of Assistive Technology,
Blythedale



More Information, please visit:
www.blythedale.org/research



For directions and transportation
information, please visit:

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Parking at Blythedale is free.

Blythedale Children's Hospital
95 Bradhurst Avenue
Valhalla, NY 10595
(914) 592-7555
www.blythedale.org

Emerging Technologies in Pediatric Neurorehabilitation

Course and Demonstration
for Therapists, Physicians,
Researchers & Caregivers



April 20, 2017
5:00 p.m. - 7:00 p.m.

Blythedale Children's Hospital
95 Bradhurst Avenue
Valhalla, NY 10595