

**Burke Centennial Neurorehabilitation Symposium**  
**Schedule of Events**  
**October 9 – 10, 2015**

**Friday, October 9**

8 am - 8:30 am                      Registration

8:30 am                              Welcome Remarks  
Rajiv Ratan, M.D., Ph.D.  
Executive Medical Director, Burke Medical Research Institute

**Neuroscience of Brain Repair**

9:00 am                              Bruce Dobkin, M.D., FRCP  
Professor of Neurology, Geffen School of Medicine,  
University of California, Los Angeles  
*The Creep of Truthiness Into Concepts About Neurorehabilitation Interventions*

9:30 am                              Mark H. Tuszynski, M.D., Ph.D.  
Professor of Neurosciences, Director of Center for Neural Repair    University of  
California, San Diego  
*Neural Stem Cells in Models of Spinal Cord Injury*

10:00 am                             Jason B. Carmel, M.D., Ph.D.  
Director, Motor Recovery Laboratory, Burke Medical  
Research Institute  
*Electrical Stimulation to Repair Connections Between the Brain and  
Spinal Cord*

*Refreshment Break*

10:45 am                             Sally Temple, Ph.D.  
Co-Founder, Principal Investigator and Scientific Director, Neural Stem  
Cell Institute  
*Neural Stem Cells: Their Role in Brain Development, Maintenance, and  
Potential Nervous System Therapies*

11:15 am                             Gary E. Gibson, Ph.D.  
Director, Laboratory for Mitochondrial Biology and Metabolic Dysfunction in  
Neurodegeneration, Burke Medical Research Institute  
*Translation of Research on Mitochondria, Nutrition and Dementia*

**Friday, October 9**

**Keynote Address**

12 pm George D. Yancopoulos, M.D., Ph.D.  
Scientific Founder, Chief Scientific Officer and  
President, Regeneron Laboratories

**Clinical Opportunities in Neurorehabilitation**

1:00pm Opening Remarks  
Mary Beth Walsh, M.D.  
Executive Medical Director, CEO Burke Rehabilitation Hospital

1:15 pm Philip E. Stieg, M.D., Ph.D.  
Chairman, Department of Neurological Surgery, Weill Cornell Medical  
College  
*Traumatic Brain Injury: Acute Management*

1:45 pm Mindy Aisen, M.D.  
Chief Medical Officer, Rancho Los Amigos National Rehabilitation  
Center  
*Dedicating a Career to that which Dr. Fletcher McDowell Started:  
Diagnosis is not Destiny*

2:15 pm Alex Dromerick, M.D.  
Vice President for Research, MedStar National Rehabilitation Hospital  
*Timing & Intensity of Rehab Strategy*

*Refreshment Break*

3:00 pm Dylan Edwards, Ph.D., P.T.  
Director, Non-Invasive Brain Stimulation and Human Motor  
Control Laboratory, Burke Medical Research Institute  
*Non-Invasive Brain Stimulation and Robotics in Human Motor  
Recovery*

3:30 pm Matthew E. Fink, M.D., FAAN, FAHA, FANA  
Chairman, Department of Neurology, Weill Cornell Medical College  
*Neurocritical Care in the Management of Ischemic Stroke*

4:00 pm Jesse M. Cedarbaum, M.D.  
Vice President, Neurology Early Clinical Development, Biogen  
*Parkinson's Disease Therapeutics: The Burke Experience and Drug  
Development*

4:30pm *Burke Medical Research Institute Lab Tours*

**Saturday, October 10**

**The Future of Neurorehabilitation**

- 8:30 am Steven C. Cramer, M.D.  
Professor of Neurology, University of California, Irvine  
*Distinguishing Patient Subgroups After Stroke for Neural Repair*
- 9:00 am David Putrino, Ph.D., P.T.  
Director, Telemedicine and Virtual Rehabilitation, Burke Medical  
Research Institute  
*The Next 100 Years: Using State-of-the-Art Technology to Disrupt the  
Field of Rehabilitation*
- 9:30 am Andrew R. Blight, Ph.D.  
Chief Scientific Officer, Acorda Therapeutics  
*Spinal Cord Injury Models, Trials and Tribulations*
- 10:00 am Hermano Krebs, Ph.D.  
Principal Research Scientist, Massachusetts Institute of Technology  
*Robotic Assistive Steppers for Locomotor Training: Trotting Back to the  
Starting Gate*
- Refreshment Break*
- 10:45 am Lee Rubin, Ph.D.  
Professor, Department of Stem Cell and Regenerative Biology, Harvard  
University  
*Modeling Neurodegenerative Diseases Using Stem Cells: Where Are We  
Now and Where Are We Going?*
- 11:15 am Jeremy Hill, D. Phil.  
Instructor, Motor Recovery Laboratory, Early Brain Injury Recovery  
Program, Burke Medical Research Institute  
*Please Hold Still While We Read Your Brain*
- 11:45 am Ajay Verma, M.D., Ph.D.  
Vice President, Experimental Medicine, Biogen  
*Drug Discovery in the next 100 years*

*Lunch to go*

