



SCOTT & WHITE  
Healthcare



HEALTH SCIENCE CENTER  
TEXAS A & M UNIVERSITY

# Center for Cell Death and Differentiation



Presents

## **At a Turning Point: Novel Therapeutic Developments in Glioblastoma Multiforme (GBM) Research**

**Wednesday, November 12, 2014**

Satellite Meeting to Society for Neuro-Oncology's  
19th Annual Meeting  
Marriott Stanton Hotel  
South Beach, Miami, Florida

<http://cme-cdsymposium.sw.org>



Beth Israel Deaconess  
Medical Center



HARVARD MEDICAL SCHOOL  
TEACHING HOSPITAL

## GENERAL INFORMATION

Register online at [cme-cdsymposium.sw.org](http://cme-cdsymposium.sw.org)

## AGENDA

### Wednesday, November 12

- 9:00am Welcome and introduction – **M. Karen Newell-Rogers, PhD**, Professor, Scott & White Healthcare/Texas A&M Health Science Center College of Medicine, Director, CCDD; AVP Translational Medicine, Baylor Scott & White Health; and **Eric T. Wong, MD, FANA**, Brain Tumor and Neuro-oncology, Harvard Medical School, Director Neuro-Oncology Unit and Co-Director, Brain Tumor Program, Beth Israel Deaconess Medical Center
- 9:15apm **“Innovation in Neuro-Oncology: Lessons from the Folkman Legacy of Anti-Angiogenesis for Effective Combination Therapies”** Keynote Speaker, **Steven Brem, MD**, Professor of Neurosurgery at the Hospital of the University of Pennsylvania
- 9:50am **“Disruption of Cell Division Within Anaphase by Tumor Treating Electric Fields (TTFields) Leads to Immunogenic Cell Death: Implications for Treating Glioblastoma”** by **Kenneth Swanson, PhD**, Brain Tumor and Neuro-Oncology Unit, Harvard Medical School
- 10:10am **“Dexamethasone Exerts Profound Interference on NovoTTF-100A Efficacy for Recurrent Glioblastoma”** by **Eric T. Wong, MD**, Director Brain Tumor and Neuro-Oncology Unit, Harvard Medical School, Beth Israel Deaconess Medical Center
- 10:30am **“Extent of resection in Glioblastoma: personalized survival modeling and development of decision-making tools in oncology”** by **Steven Toms, MD, FACS, MPH**, Director of Neurosurgery, Geisinger Health System
- 11:05am **“Preoperative treatment of glial tumors with Temodal looking at variable expression of MGMT in tumor and normal tissue removed at operation”** by **Rolando Del Maestro, MD, PhD**, Director of the Brain Tumour Research Centre, Montreal Neurological Institute and Hospital, McGill University
- 11:40 Lunch - Remarks from a Family's Perspective

## **A VIEW FROM IMMUNOLOGY AND LYMPHATICS:**

- 12:45pm **"Class II antigen presentation in health and disease"** by **Elizabeth (Betsy) Mellins, PhD**, Professor, School of Medicine, Stanford University
- 1:20pm **"The role of lymphatics in CSF regulation and immune function"** by **David Zawieja, PhD**, Professor, Texas A&M Health Science Center, Chair, Medical Physiology Department

## **NEW PERSPECTIVES FROM NEURO-ONCOLOGY**

### **STAR WARS PERSPECTIVES AND THE POWER OF NEW TECHNOLOGY:**

- 1:55pm **"Real time optogenetic control of seizures - from neurons to circuits to behavior"** by **John R. Huguenard, PhD**, Professor, Department of Neurology and Neurological Sciences, Stanford University
- 2:30pm **"Developing personalized human cellular models for neuropsychiatric disorders"** by **Sergiu Pasca, MD**, Assistant Professor, Department of Psychiatry Stanford Neurosciences Institute, Institute for Stem Cell Biology, Stanford University
- 3:05pm **"Applying lessons on cell death from plants to GBM"** by **Martin B. Dickman, PhD**, Professor of Agriculture, Director, Institute for Plant Genomics and Biotechnology, Texas A&M University

### **BRINGING IT ALL TOGETHER:**

- 3:40pm **"The intersection of minds: New directions for developing novel therapies for GBM"** by **M. Karen Newell-Rogers, PhD**
- 4:15pm Roundtable discussion - Speakers and invited participants
- 5:00pm Concluding Remarks: Can we create a new turning point?

The Brain Tumor Center & Neuro-Oncology Unit is an integral part of the Cancer Center at the Beth Israel Deaconess Medical Center. It provides cutting edge treatment for primary and metastatic brain tumors, as well as the conduct of both basic and clinical research on brain tumors. The Neuro-Oncology Unit also has extensive collaborations with the Berenson-Allen Center for Non-Invasive Brain Stimulation at the medical center.

## The Center for Cell Death and Differentiation

The Center for Cell Death and Differentiation is the result of collaboration between Scott & White and the Texas A&M Health Science Center College of Medicine. The Scott & White/TAMHSC/COM Center for Cell Death and Differentiation reflects the vision of Dr. W. Roy Smythe, former Chair of the Department of Surgery, and of its Director, M. Karen Newell Rogers, PhD, that those institutions provide not only a forum of exchange for scientists, health care professionals, and academics, but also a link between research and clinical applications.

Since its inception, the CCDD has encouraged collaboration and scientific exchange through a series of symposia and seminars that have brought world-class experts, including two Nobel Laureates, to Central Texas for exchange of research and innovation in a number of fields: post-infectious syndromes that result in neurological and cognitive effects, heart disease, cancer, HIV/AIDS, preeclampsia, Lyme disease, and others. True to CCDD objectives, these scientific gatherings have produced new collaborations among participating scientists, new IP, publications, translation to clinical trials, and have served to further investigations into new therapeutics and preventive protocols.

<http://researchers.sw.org/cell-death-differentiation/cell-death-differentiation> and  
<http://medicine.tamhsc.edu/research/centers/ccdd/index.html>