Activity Information

COURSE DESCRIPTION

Survival for patients diagnosed with glioblastoma remains less than 15 months despite advances in surgery, radiation and chemotherapy.

The identification of cancer stem cells and mechanisms of immune suppression offer novel insights into the cause and potential targets for possible therapies.

This one day course will explore the role of cancer stem cells and immune suppression in the imitation of glioblastoma and evaluate strategies of utilizing stem cells and immunomodulation to treat glioblastoma for increasing survival rate of patients afflicted with this condition.

EDUCATIONAL OBJECTIVES

- Evaluate the role of cancer stem cells in glioblastoma propagation to develop new therapeutic strategies for prolonging patients' life expectancy
- Assess the role of immune suppression in glioblastoma propagation to develop new immunotherapies for increase survival
- Appraise the role for cancer vaccines in glioblastoma therapy for increasing life expectancy

ACCREDITATION STATEMENT

Cedars-Sinai Medical Center is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

CREDIT DESIGNATION STATEMENT

Cedars-Sinai Medical Center designates this educational activity for a maximum of 7.75 *AMA PRA Category 1 Credits™.* Physicians should only claim credit commensurate with the extent of their participation in the activity.

POLICY ON DISCLOSURE

It is the policy of Cedars-Sinai Medical Center to ensure balance, independence, objectivity, and scientific rigor in all of its educational activities. Cedars-Sinai Medical Center assesses conflict of interest with its faculty, planners and managers of CME activities. Conflicts of interest that are identified are resolved by reviewing that presenter's content for fair balance and absence of bias, scientific objectivity of studies utilized in this activity, and patient care recommendations.

While Cedars-Sinai Medical Center endeavors to review faculty content, it remains the obligation of each physician or other healthcare practitioner to determine the applicability or relevance of the information provided from this course in his or her own practice.

ACKNOWLEDGMENT OF COMMERCIAL SUPPORT

Cedars-Sinai Medical Center gratefully acknowledge the educational grant from the following company in support of this educational activity:

Eisai Inc.

Additional support for this activity is pending and will be acknowledged at the meeting.

Faculty

Cedars-Sinai Faculty

John S. Yu, MD
Course Director
Director, Surgical Neuro-Oncology
Department of Neurosurgery
Professor of Neurosurgery
Cedars-Sinai Medical Center

Keith L. Black, MD
Ruth and Lawrence Harvey Chair in Neuroscience
Chairman, Department of Neurosurgery
Director, Maxine Dunitz Neurosurgical Institute
Cedars-Sinai Medical Center

Maria Castro, PhD
Co-Director of the Board of Governors Gene Therapeutics Research Institute
Endowed Chair in Gene Therapeutics
Cedars-Sinai Medical Center

Pedro Lowenstein, MD, PhD
Bram and Elaine Goldsmith Endowed Chair in Gene Therapeutics
Director, Board of Governors
Gene Therapeutics Research Institute
Cedars-Sinai Medical Center

Michal Schwartz, PhD
Chair, Center of Neuroimmunology and Neurogenesis
Department of Neurosurgery
Cedars-Sinai Medical Center

Christopher J. Wheeler, PhD
Research Scientist
Immunology Program Head
Maxine Dunitz Neurosurgical Institute
Department of Neurosurgery
Cedars-Sinai Medical Center

Guest Faculty

Karen S. Aboody, MD
Assistant Professor
Divisions of Hematology/Hematopoietic Cell Transplantation and Neurosciences
City of Hope National Medical Center and Beckman Research Institute
Duarte, CA

Jeffrey N. Bruce, MD
Program Co-Director for Neuro-Oncology
Columbia Cancer Center
Edgar M. Housepian Professor of Neurological Surgery
Columbia University College of Physicians and Surgeons
New York, NY

Bob S. Carter, MD, PhD
Neurosurgeon
Massachusetts General Hospital
Associate Professor of Neurosurgery
Harvard Medical School
Boston, MA

William T. Curry, Jr., MD
Neurosurgeon
Massachusetts General Hospital
Instructor in Surgery
Harvard Medical School
Boston, MA

Amy B. Heimherger, MD
Associate Professor of Neurosurgery
The University of Texas MD Anderson Cancer Center
Adjunct Associate Professor
Department of Neurosurgery
Baylor College of Medicine
Houston, TX

Michael C. V. Jensen, MD
Director, Pediatric Cancer Program
Co-Leader, Cancer Immunotherapeutics Program, Comprehensive Cancer Center
Associate Chair, Cancer Immunotherapeutics & Tumor Immunology
Director, Zagoria Laboratory for Pediatric Cancer Research
City of Hope
Duarte, CA

Hideho Okada, MD, PhD
Associate Professor
Departments of Neurological Surgery and Surgery
University of Pittsburgh School of Medicine
Co-Leader, Brain Tumor Program
University of Pittsburgh Cancer Institute
Pittsburgh, PA

Andrew T. Parsa, MD, PhD
Associate Professor of Neurological Surgery
Reza and Georgianna Khatib Endowed Chair in Skull Base Tumor Surgery
University of San Francisco School of Medicine
San Francisco, CA

John H. Sampson, MD, PhD
Associate Professor of Surgery and Pathology
Duke University School of Medicine
Durham, NC

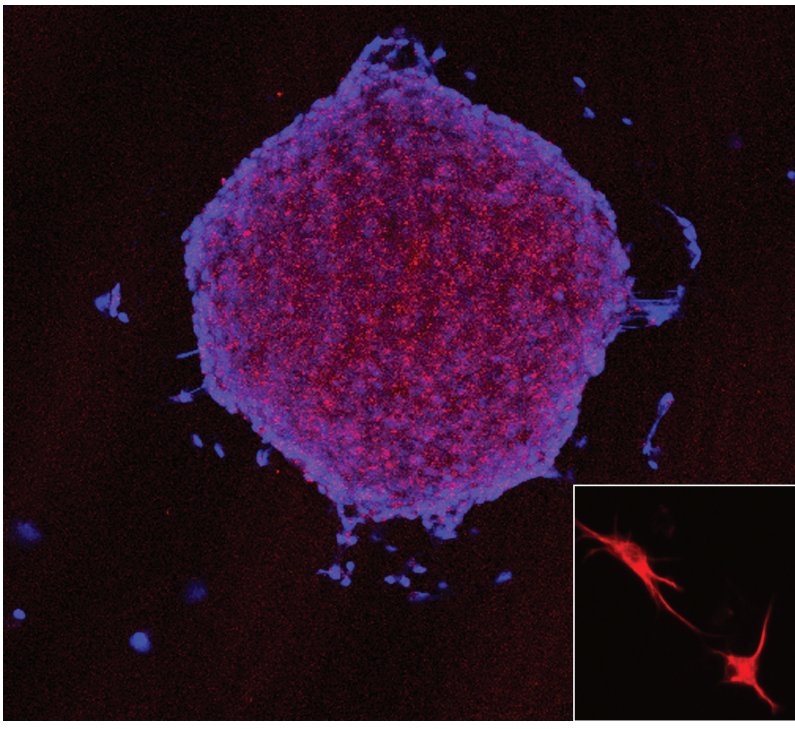
Evan Snyder, MD, PhD
Director, Stem Cell & Regeneration Program & Stem Cell Research Center
Burnham Institute for Medical Research
La Jolla, CA
Professor of Neurology
University of California
San Diego School of Medicine
San Diego, CA

CEDARS-SINAI MEDICAL CENTER®
Office of Continuing Medical Education
8797 Beverly Boulevard, Suite 250
Los Angeles, CA 90048

CEDARS-SINAI MEDICAL CENTER®
Department of Neurosurgery

sponsors

Stem Cells and Immunity In Glioma Therapy



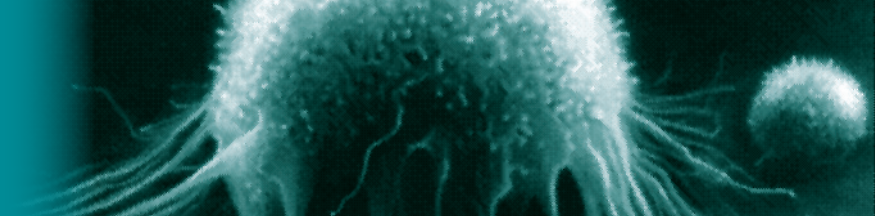
Friday, May 8, 2009

CEDARS-SINAI MEDICAL CENTER
Harvey Morse Auditorium
Plaza Level, South Tower
8700 Gracie Allen Drive
Los Angeles, CA 90048

For further information call the Office of Continuing Medical Education at 423-5548

Stem Cells and Immunity In Glioma Therapy

Agenda



Friday, May 8, 2009

7:00 am	Registration and Continental Breakfast	
8:00	Welcome	*John Yu, MD*

CANCER STEM CELL SESSION

8:10	Cancer Stem Cells and Immunity	*John Yu, MD*
8:40	The Role of Glial Progenitors in Gliomas	*Jeffrey Bruce, MD*
9:10	Glioma Stem-like Progenitor Cells as Targets for Adoptive T-cell Therapy	*Michael Jensen, MD*
9:40	Glioblastoma Cancer Stem Cells Mediate Immune Suppression of T-cells Which Can be Partially Reversed With Blockage of the STAT-3 Pathway	*Amy Heimberger, MD*

STEM CELL THERAPY SESSION

10:10	Break	
10:30	Adaptive and Innate Immunity Maintains CNS Plasticity in Health and Disease	*Michal Schwartz, PhD*
11:00	Cross-talk and Developmental Programs in Stem Cell Biology	*Evan Snyder, MD, PhD*
11:30	Neural Stem Cell Mediated Targeted Gene Therapy: Towards Glioma Clinical Trials	*Karen Aboody, MD*

IMMUNOTHERAPY SESSION

12:00 pm	Roles of Cytokines and MicroRNAs in immune Surveillance of Gliomas	*Hideho Okada, MD. PhD*
12:30	Lunch	
1:30	Clinical Immunotherapy Approaches in Brain Tumors	*John Sampson, MD, PhD*
2:00	Autologous Whole Tumor Cell Vaccination for Malignant Glioma: Looking Ahead	*William Curry, MD*
2:30	Mechanisms of Glioma Immunoresistance	*Andrew Parsa, MD, PhD*
3:00	Genetically Engineered T-cells for Glioma Therapy	*Bob Carter, MD*
3:15	Immunity, Vaccination and Molecular Subtypes in Glioma	*Christopher Wheeler, PhD*
3:45	Break	
4:15	Translating Basic Neuroimmunology Into New Clinical Trials for Brain Cancer	*Pedro Lowenstein, MD, PhD*
4:45	Endogenous Brain Tumor Ligands Mediate Anti-tumor Immune Response: Implications for Therapeutics	*Maria Castro, PhD*
5:15	Summary	*Keith Black, MD*
5:20 pm	Adjourn	

Registration Information

THERE IS NO CHARGE TO ATTEND THIS COURSE – HOWEVER SPACE IS LIMITED

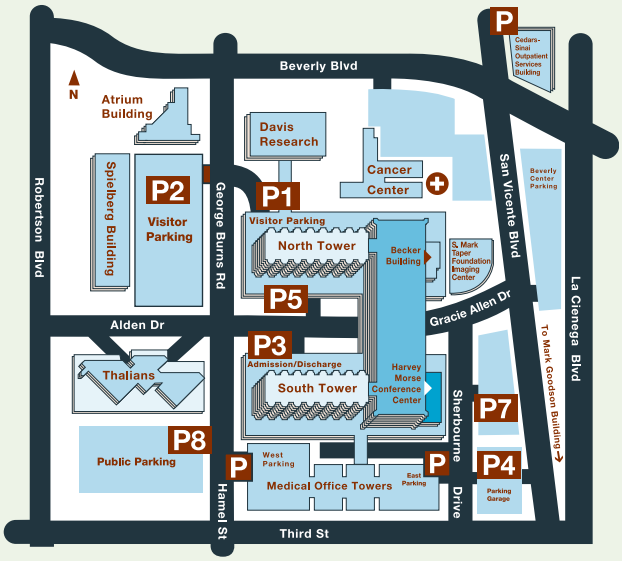
Four ways to register:

Mail registration form to:
Cedars-Sinai Medical Center
Office of Continuing Medical Education
Attn: Registration
8797 Beverly Blvd., Suite 250
Los Angeles, CA 90048

Online registration at: www.csmc.edu/cme
and click on CME Courses

Fax completed registration form
with credit card information to 310-423-0309.

Phone registration with credit card payment only
to 310-423-5548.



Confirmation:
In order to receive a registration confirmation, please provide your e-mail address or fax number. If you do not receive a confirmation by April 24, 2009, please call 310-423-5548 to confirm your registration.

We encourage participation by all individuals. If you have a disability, advance notification of any special needs will help us better serve you.

For further information, please call the Office of Continuing Medical Education at (310) 423-2935 or Email: stokes@cshs.org.

Stem Cells and Immunity In Glioma Therapy — Friday, May 8, 2009

Please print clearly

Last Name: First Name: MI: Degree:

Address:

City: State: Zip:

Phone: ( ) Fax: ( )

Degree: ☐ MD ☐ DO ☐ PhD ☐ PA ☐ RN ☐ OTHER

E-mail:

☐ **May we contact you following the meeting in order to perform an outcome measurement survey?**

☐ **Please check here if you do not wish to receive email announcements of upcoming programs.**