

Neuroscience Update in Pediatric Neuro-Oncology

In Memory of
Dr. Marnie Rose

Saturday, April 22, 2017

The University of Texas
MD Anderson Cancer Center
Dan L. Duncan Building (CPB)
Floor 8, Rooms 1-8
1155 Pressler Street
Houston, Texas



DR. MARNIE ROSE
• F O U N D A T I O N •



THE UNIVERSITY OF TEXAS
MD Anderson Cancer Center
Children's Cancer Hospital®

Neuroscience Update in Pediatric Neuro-Oncology

Focus

This symposium will provide a unique platform on which subspecialty experts in pediatric brain tumors can share information. Robust interactive sessions will allow participants to discuss current concepts, challenges, and ongoing research in the multimodal treatment of childhood brain tumors.

Educational Objectives

After attending the conference, participants should be able to:

- Incorporate knowledge, demonstrate competence, and implement in clinical practice the molecular pathogenesis of pediatric brain tumors and clinical trials in newly diagnosed and recurrent brain tumors to improve survival of pediatric patients (*Knowledge, Competence, Performance, Patient Outcomes*);
- Identify the immunogenic drivers of these tumors and be familiar with immunotherapeutic strategies used against them (*Knowledge, Competence*);
- Demonstrate competence in understanding the advances in neurosurgical techniques, radiosensitizers, and ABTI and be able to judiciously implement them for diagnosis and follow-up of patients on treatment (*Knowledge, Competence, Performance*);
- Interpret the development of preclinical models replicating the evolving molecular subtype of different brain tumors and understand its translation into clinical therapeutics (*Knowledge, Competence*).



Educational Methods

Lecture/Didactic – Question and Answer Sessions – Panel Discussion

Target Audience

This conference should be of value to neurooncologists, neurosurgeons, pathologists, radiation oncologists, radiologists, basic/translational neuroscientists and pediatricians.

Evaluation

A course evaluation form will provide participants with the opportunity to comment on the value of the program content to their practice decisions, performance improvement activities, or possible impact on patient health status. Participants will also have the opportunity to comment on any perceived commercial bias in the presentations as well as to identify future educational topics.

Accreditation/ Credit Designation

Physicians

The University of Texas MD Anderson Cancer Center is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The University of Texas MD Anderson Cancer Center designates this live activity for a maximum of 7.75 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

CME Certificates and Attendance Verification Certificates

Certificates awarding *AMA PRA Category 1 Credit™* or certificates documenting attendance will be distributed to participants as they depart the symposium. To obtain a CME certificate, physicians must submit a completed evaluation questionnaire and a *CME Verification Form*.

Upon request, a record of attendance (certificate) will be provided on-site to other health care professionals for requesting credits in accordance with state nursing boards, specialty societies, or other professional associations.



Physician Payments- Sunshine Act

MD Anderson complies with the Physician Payments Sunshine Act as part of the Affordable Care Act (ACA). Accordingly, we may be required to collect information on transfer of value provided to any covered recipient under the ACA.

Conference Chair

Soumen Khatua, MD
Associate Professor
Pediatrics- Patient Care

Planning Committee

Joya Chandra, PhD
Associate Professor
Pediatrics- Research

Vidya Gopalakrishnan, PhD
Associate Professor
Pediatrics- Research

David Sandberg, MD
Professor
Neurosurgery
The University of Texas MD Anderson Cancer Center
Director
Pediatric Neurosurgery
Mischer Neuroscience Institute

Wafik Zaky, MBBCH
Assistant Professor
Pediatrics-Patient Care

Allison Baring, CMP
Senior Conference Coordinator
CME/Conference Management



Dr. Marnie Rose
was 27 and in the first
year of a pediatric medical
residency at Children's
Memorial Hermann
Hospital in Houston,
Texas when she was
diagnosed with a rare
form of brain cancer.

Marnie courageously shared her story
through the ABC reality series Houston
Medical, which aired its final episode just
five weeks before her death on August 23,
2002, from complications of the cancer.
Her compelling story lives on, and
has inspired those who knew her and
have come to know her through the
foundation established in
her memory.

*Please let us know what
specific topics, issues
or questions you wish to see
addressed or emphasized in this activity.*

*Fax or e-mail CME/Conference Management.
All responses will be forwarded to the Program
Chairs for consideration.*

Program

7:15 am Registration and Continental Breakfast

8:00 Welcome and Inauguration
• Dr. Ronald DePinho - Welcome
• Dr. Richard Gorlick - Director of Pediatrics
• Marnie Rose Foundation- Lanie Rose
• The Scully Family
• Dr. Soumen Khatua - Overview

Session #1: Immunotherapy in Pediatric Brain Tumors

Session Chairs: Daniel C. Bowers, MD and Mark R. Gilbert, MD

8:30 **Overview- Immunotherapy in Pediatric Brain Tumors**
Keynote Speaker: Mark R. Gilbert, MD

8:55 **Targeting Brain Tumors with Genetically Engineered T Cells**
Stephen M. Gottschalk, MD

9:10 **Local Regulated IL-12 Expression for the Treatment of Brain Tumors in Children Including DIPG (No CME Credit)**
Laurence J.N. Cooper, MD, PhD and Francois Lebel, MD

9:25 **NK Cell in Brain Tumors**
Dean Lee, MD, PhD

9:40 **Immunomodulatory Effects of LSD1 Inhibition in DIPG and Translational Aspects**
Joya Chandra, PhD

9:55 Panel Discussion

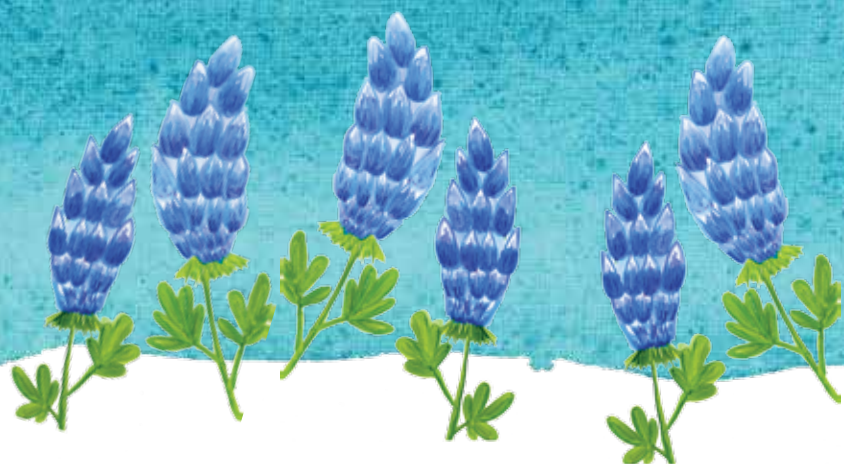
10:15 Break

Session #2: Molecular Targeted Therapy

Session Co-Chairs: Murali Chintagumpala, MD; Amar Gajjar, MD and Virginia L. Harrod, MD, PhD

10:30 **Targeted Therapy in Pediatric Neuro Oncology**
Keynote Speaker: Amar Gajjar, MD

10:55 **Precision Neuro-Oncology: Clinical Genomics for Children with CNS Tumors**
Donald W. Parsons, MD, PhD



11:10 **Targeting the Brain Tumor Methylome**
Vidya Gopalakrishnan, PhD

11:25 **Genetic and Epigenetic Landscapes of Medulloblastoma Subgroups**
Paul A. Northcott, PhD

11:40 **WHO Classification 2016: Update on Pediatric Tumors**
Greg Fuller, MD, PhD, AS

11:55 **Adult Medulloblastoma:
What We Know and What We Don't Know**
Marta Penas-Prado, MD

12:15 pm **Panel Discussion**

12:30 **Lunch (provided) and Photo Shoot**

Session #3: Preclinical Models to Clinical Trials

Session Co-Chairs: Juan Fueyo-Margareto, MD and
Vidya Gopalakrishnan, PhD

1:15 **More Subgroups, More Models: Using Genomics and Epigenomics
to Inform Brain Tumor Model Development**
Stephen C. Mack, PhD

1:35 **A Comprehensive Panel of Patient-Derived Orthotopic Xenograft
(PDOX) Mouse Models of Pediatric Brain Tumors**
Xiao-Nan Li, MD, PhD

1:55 **What Can We Learn from Genetic Models of DIPG?**
Oren Josh Becher, MD

2:15 **Panel Discussion**

2:30 **Break**

General Session

Session Co-Chairs: Leena Ketonen, MD, PhD; Susan L. McGovern, MD,
PhD; David Sandberg, MD and Wafik Zaky, MBBCH

2:45 **Direct Drug Delivery into the Fourth Ventricle of the Brain to
Treat Recurrent Malignant Posterior Fossa Tumors**
David Sandberg, MD

3:00 **Laser Interstitial Thermal Therapy for the Treatment of
Brain Tumors**
Sujit S. Prabhu, MD

3:15 **Evolving Surgical and Multidisciplinary Management Strategies of
Pediatric Skull Base Cancers**
Shaan M. Raza, MD

3:30 **Radiation Therapy for Pediatric Low Grade Glioma**
Mary McAleer, MD, PhD

3:45 **Synaptic Toxicities of Radiation Therapy**
David R. Grosshans, MD, PhD

4:00 **Neurocognitive Outcome Following Radiation for Pediatric Brain
Tumors: Review and Emerging Directions**
Peter Stavinoha, PhD

4:15 **Molecular Neuroimaging**
Dawid Schellingerhout, MD

4:30 **Clinical Trials in NF**
John M. Slopis, MD

4:45 **Discussion**

5:10 **Closing Remarks**

5:15 pm **Adjourn**

The University of Texas MD Anderson Cancer Center has implemented a process whereby everyone who is in a position to control the content of an educational activity must disclose all relevant financial relationships with any commercial interest that could potentially affect the information presented. MD Anderson also requires that all faculty disclose any unlabeled use or investigational use (not yet approved for any purpose) of pharmaceutical and medical device products. Specific disclosure will be made to the participants prior to the educational activity.

Agendas are subject to change because we are always striving to improve the quality of your educational experience. MD Anderson may substitute faculty with comparable expertise on rare occasions necessitated by illness, schedule conflicts, and so forth.

Photographing, audio taping and videotaping are prohibited.

MD Anderson Faculty

Joya Chandra, PhD

Associate Professor
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Professor and Chief Neuropathologist
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Co-Director
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Interim Chair, Department
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Director, Neuro-Oncology Division
Co-Leader
Neurobiology & Brain Tumor Program
Scott and Tracie Hamilton Endowed
Chair in Brain Tumor Research
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St. Jude Children's Research Hospital
Memphis, Tennessee

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Co-Director, Cancer Genetics and Genomics
Program
Director, Pediatric Center for Personal Cancer
Genomics and Therapeutics
Associate Professor
Department of Pediatrics
Section of Hematology-Oncology
Baylor College of Medicine
Houston, Texas



Registration Information

On-site registration opens at 7:15 am on Saturday, April 22. The conference will begin at 8:00 am and adjourn at 5:15 pm. Advanced registration is encouraged as space and materials are limited.

The deadline for advanced registration is Friday, March 22, 2017.

There are three ways to register:

1. On-line at www.mdanderson.org/conferences
2. Fax to: 713-794-1724
3. Mail to: CME/Conference Management
Unit 1781
The University of Texas MD Anderson Cancer Center
P.O. Box 301407
Houston, TX 77230-1407

We accept the following forms of payment:

- Check (payable through U.S. banks only)
- Money Order
- Credit Cards (MasterCard, VISA, and American Express)
- Cash (on-site registration only)

A receipt and confirmation letter will be sent to you within ten working days of receipt of your fee. The conference registration fee includes tuition, final conference agenda, continental breakfasts, breaks, and lunch. Please refer to the registration form for specific information regarding fees.

Refund/Cancellation Policy

The registration fee, minus a \$50 administrative handling fee, is refundable if a written request is received on or before **Friday, March 22, 2017**. No refunds will be granted after that date. The request for a registration refund must include the tax identification number of the company or institution if registration was paid by a company or institution check.

The Department of CME/Conference Management reserves the right to cancel activities prior to the scheduled date, if low enrollment or other circumstances make it necessary. Each registrant will be notified by mail, e-mail, or the contact numbers as given on the registration form. In case of activity cancellation, liability of the Department of CME/Conference Management is limited to the registration fee. CME/Conference Management will refund the full registration fee.

The Department of CME/Conference Management reserves the right to limit the number of participants in a program and is not responsible for any expenses incurred by an individual whose registration is not confirmed and for whom space is not available.

For additional information, please contact CME/Conference Management at 713-792-2223 or toll free at 866-849-5866.

Special Assistance

Contact the Department of CME/Conference Management at 713-792-2223 or toll free at 866-849-5866 if you have any special dietary or ADA accommodation needs.

Accommodations

- A block of rooms has been reserved for conference attendees at the **Houston Marriott Medical Center** located at 6580 Fannin Street, Houston, Texas.
- Early hotel reservation is suggested.
- The hotel phone number is 1-800-228-9290
- Early hotel reservation is suggested and the room block cutoff date is **March 30, 2017**.
- When you make reservations, be sure to mention the group name: **Neuroscience Update in Pediatric Neuro-Oncology** to be assured of receiving the special meeting rate of \$119 for a standard guest room. Please add 17% Texas state and local taxes.

Ground Transportation

(prices are subject to change and variable depending on location of conference)

- Houston is served by two airports, George Bush Intercontinental (IAH) and William P. Hobby (HOU).
- Taxicabs are available at an estimated cost of \$50-60, to or from William P. Hobby Airport or George Bush Intercontinental Airport.
- Super Shuttle operates a shuttle bus between George Bush Intercontinental Airport and the Houston Marriott Medical Center for \$27 one-way and \$54 round-trip. For more information, call 713-523-8888 or toll-free at 800-258-3826 or on-line at www.supershuttle.com.
- Super Shuttle operates a shuttle bus between William P. Hobby Airport and the Houston Marriott Medical Center for \$24 one-way and \$48 round-trip. For more information, call 713-523-8888 or toll-free at 800-258-3826 or on-line at www.supershuttle.com



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In Memory of Dr. Marnie Rose
April 22, 2017

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REGISTRATION FEES

Physicians (MDs/DOs)

- ☐ Postmarked before March 22, 2017\$150
☐ Postmarked after March 22, 2017\$175

Other Healthcare Professionals and Trainees

- ☐ Postmarked before March 22, 2017\$50
☐ Postmarked after March 22, 2017\$75

MD ANDERSON REGISTRATION FEES

Physicians (MDs/DOs)

- ☐ Postmarked before March 22, 2017\$100
☐ Postmarked after March 22, 2017\$125

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