

MD Anderson Children's Cancer Hospital in Collaboration
with Children's Memorial Hermann Hospital

Pediatric Neuro-Oncology Symposium

In Memory of Dr. Marnie Rose

February 28 - March 1, 2014

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



DR. MARNIE ROSE
• FOUNDATION •

Children's
MEMORIAL
HERMANN
Hospital



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

Pediatric Neuro-Oncology Symposium

In Memory of Dr. Marnie Rose

February 28-March 1, 2014

Goal

This symposium will attract the leading international experts in childhood brain tumors. It is designed as one and a half days of intense interactive sessions for participants to discuss the current concepts, challenges, and ongoing research of multimodality treatment for various childhood brain tumors. Scientists, physicians, and trainees from across the country will have an opportunity to share thoughts, discuss current issues, and initiate much needed phase I trials in recurrent/refractory pediatric brain tumors. This meeting will also present a unique platform to gather subspecialty experts in pediatric brain tumors, allowing scientists and physicians to share information and to define research or clinical endeavors for the future. The challenges, solutions, and novel concepts discussed will encourage attendees to prepare strategies for new translational research and to profile possible new therapies.

Educational Objectives

After attending the symposium participants should be able to

- Incorporate the knowledge of clinical trials in newly diagnosed and recurrent brain tumors, demonstrate competence and be able to implement in clinical practice with intent to improve survival of these children (*Knowledge, Competence, Performance, Patient Outcomes*);
- Implement neurosurgical advances including locoregional delivery of novel drugs in practice and perform these skills and techniques in practice to prevent systemic toxicity as drugs are delivered locally into the brain (*Knowledge, Competence, Performance*);
- Interpret the biological drivers which ensues oncogenesis of new and recurrent brain tumors and utilize the latest research in preclinical aspects of brain tumors in children (*Knowledge, Competence*);
- Demonstrate competence in understanding the advances in neuroimaging and be able to judiciously implement them for diagnosis and follow-up of patients on treatment (*Knowledge, Competence, Performance, Patient Outcomes*);
- Provide better understanding of key molecules in the development of brain tumors and utilize the data to develop targeted therapy for recurrent tumors to improve patient survival (*Knowledge, Competence, Performance, Patient Outcomes*).





Target Audience

This symposium is designed for neuro-oncologists, pediatric neurosurgeons, neuro research scientists, radiation oncologists, neuropathologists, neuroradiologists and pediatricians.

Educational Methods

Lectures/Didactic — Panel Discussions — Question and Answer Sessions

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

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

The University of Texas MD Anderson Cancer Center designates this live activity for a maximum of *12.50 AMA PRA Category 1 Credits™*. Physicians should claim only 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 when an individual departs the conference. 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.

Program Chair

Soumen Khatua, MD

Assistant Professor

Pediatrics- Patient Care

Program Co-Chairs

Dean Lee, MD, PhD

Associate Professor

Pediatrics- Patient Care

David Sandberg, MD

Associate Professor

Neurosurgery

Planning Committee

Soumen Khatua, MD (Chair)

Dean Lee, MD, PhD (Co-Chair)

David Sandberg, MD (Co-Chair)

Allison Baring, BA

Joya Chandra, PhD

Laurence Cooper, MD, PhD

Greg Fuller, MD, PhD

Vidya Gopalakrishnan, PhD

Leena Ketonen, MD, PhD

Susan L. McGovern, MD, PhD

Bartlett D. Moore, III, PhD

Jeffrey Weinberg, MD

Wafik Zaky, MD



Dr. Marnie Rose was 27 and in the first year of a pediatric medical residency at Children's Memorial Hermann Hospital in Houston, TX 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.



AGENDA

Friday, February 28, 2014

11:30 am

Registration

12:30 pm

Inauguration

Ronald A. DePinho, MD; President

Eugenie S. Kleinerman, MD; Division Head, Pediatrics

Overview of the Pediatric Brain Tumor Program

Soumen Khatua, MD

NEUROSCIENCE SESSIONS

Basic /Translation

Chair: Oliver Bogler, PhD

1:00

Experimental Models for Brain Tumors- Current Status and the Future

Eric Holland, MD, PhD

1:40

Epigenetics and Neurobiology in the Cross Hairs of Medulloblastoma Development

Vidya Gopalakrishnan, PhD

1:55

Developmental Therapeutics for GBM Based on Epigenetic and Oxidative Stress Vulnerabilities

Joya Chandra, PhD

2:10

Bringing Genomics into the Pediatric Neuro-Oncology Clinic

Donald W. Parsons, MD, PhD

2:25

Discussion

Immunotherapy

Chair: Laurence Cooper, MD, PhD

2:45

Immune Therapeutic Targeting in Brain Tumors

Amy Heimberger, MD

3:25

NK Cell Therapy for Intracranial Malignancies-Beyond LAK Cells

Dean Lee, MD, PhD

3:40

T Cells in Brain Tumors

Nabil Ahmed, MD, MSc

3:55

Discussion

4:10

Break

NEUROPATHOLOGICAL AND NEUROIMAGING ADVANCES SESSIONS

Chairs: Greg Fuller, MD, PhD and Leena Ketonen, MD, PhD

Neuropathology

4:30

Molecular Pathology of Medulloblastoma and Ependymoma - From Diagnosis to Therapy

David Ellison, MD, PhD, MRCP, FRCPath

5:10

The Use of Global Profiling in Biomarker Development for Gliomas

Kenneth D. Aldape, MD

Neuroimaging

5:25

Advanced Brain Tumor Imaging in Children

Ashok Panigrahy, MD

6:05

Discussion

6:30

Adjourn



Saturday, March 1, 2014

7:00 am

Registration/Continental Breakfast

8:00

Introduction of Keynote Speaker: Ian F. Pollack, MD
David Sandberg, MD

8:05

Vaccine Therapy For Childhood Gliomas
Ian F. Pollack, MD

CLINICAL NEURO-ONCOLOGY SESSIONS

Chairs: W.K. Alfred Yung, MD and Soumen Khatua, MD

8:45

**Ependymoma and Choroid Plexus Tumors
in Children- Therapeutic Challenges and
Newer Insights**
Eric Bouffet, MD

9:25

**Molecular Advances and Therapeutic Strategies
in Pediatric Gliomas**
Murali Chintagumpala, MD

10:05

**Diffuse Intrinsic Pontine Glioma-Current Status
and Future Directions**
Mark Kieran, MD, PhD

10:45

Discussion



11:00

Break

NEUROSURGERY SESSIONS

Chairs: Ian Pollack, MD and David Sandberg, MD

11:15

Molecular Markers and Molecularly Targeted Therapies for Childhood Brain Tumors

Ian F. Pollack, MD

11:55

Local Delivery of Chemotherapy into the Fourth Ventricle of the Brain: A Novel Treatment Modality for Malignant Posterior Fossa Tumors

David Sandberg, MD

12:10 pm

Spontaneous Brain Tumors in Canines: The Best Research Model Applicable to Humans

Stephen Fletcher, DO

12:25

radiosurgery in Pediatric Brain Tumors

Jeffrey Weinberg, MD

12:40

Discussion

12:55

Lunch (provided)

RADIATION ONCOLOGY/LONG TERM SURVIVOR SESSIONS

Chairs: Anita Mahajan, MD and Mark R. Gilbert, MD

Radiation Oncology

1:45

Radiation Therapy In Medulloblastoma and Ependymoma

Arnold de la Cruz Paulino, MD

2:00

Effects Of Radiation On Terminally Differentiated Hippocampal Neurons

Joseph G. Duman, PhD

2:15

Challenging Cases in Radiation Treatment Planning for Pediatric Brain and Spine Tumors

Susan L. McGovern, MD, PhD

Long Term Survivor

2:30

Region-Specific Radiotherapy and Neuropsychological Outcomes in Adult Survivors of Childhood CNS Malignancies

Gregory T. Armstrong, MD, MSCE

3:10

Neurocognitive Outcome Following Proton Radiotherapy for CNS Tumors

Bartlett D. Moore, III, PhD

3:25

Discussion

3:45

Symposium Wrap-up and Adjourn



MD Anderson Faculty

Kenneth D. Aldape, MD

Professor and Chair
Pathology

Oliver Bogler, PhD

Senior Vice-President
Academic Affairs

Joya Chandra, PhD

Associate Professor
Pediatrics

Laurence Cooper, MD, PhD

Professor
Pediatrics

Arnold de la Cruz Paulino, MD

Professor
Radiation Oncology

Ronald A. DePinho, MD

President
President's Office

Greg Fuller, MD, PhD

Professor
Pathology

Mark R. Gilbert, MD

Professor and Deputy Chairman
Neuro-Oncology

Vidya Gopalakrishnan, PhD

Associate Professor
Pediatrics

Amy Heimberger, MD

Professor
Neurosurgery

Soumen Khatua, MD

Assistant Professor
Pediatrics

Eugenie S. Kleinerman, MD

Division Head
Pediatrics

Leena Ketonen, MD, PhD

Professor
Diagnostic Radiology

Dean Lee, MD, PhD

Associate Professor
Pediatrics

Anita Mahajan, MD

Professor
Radiation Oncology

Susan L. McGovern, MD, PhD

Assistant Professor
Radiation Oncology

Bartlett D. Moore, III, PhD

Professor
Pediatrics

David Sandberg, MD

Associate Professor
Neurosurgery

Jeffrey Weinberg, MD

Professor
Neurosurgery

W.K. Alfred Yung, MD

Professor and Chair
Neuro-Oncology



Guest Faculty

Nabil Ahmed, MD, MSc

Assistant Professor
Center for Cell and Gene Therapy
Baylor College of Medicine

Gregory T. Armstrong, MD, MSCE

Associate Member- St. Jude Faculty
Department of Epidemiology and Cancer
Control / Neuro-Oncology
St. Jude Children's Research Hospital

Eric Bouffet, MD

Professor and Director, Brain Tumor Program
The Hospital for Sick Children, Toronto

Murali Chintagumpala, MD

Professor and Co-Director
Neuro-Oncology
Texas Children's Hospital

Joseph G. Duman, PhD

Assistant Professor
Department of Neuroscience
Baylor College of Medicine

David Ellison, MD, PhD, MRCP, FRCPath

Professor and St. Jude Endowed Chair in
Neuropathology
Director, Neuropathology
St. Jude Children's Research Hospital

Stephen Fletcher, DO

Associate Professor
Department of Pediatric Surgery
University of Texas Medical School, Houston

Eric Holland, MD, PhD

Professor of Neurosurgical Surgery and
Director, Solid Tumor Translational Research
Fred Hutchinson Cancer Research Center

Mark Kieran, MD, PhD

Associate Professor and Director, Pediatric
Medical Neuro-Oncology
Dana-Farber Cancer Institute

Ashok Panigrahy, MD

Associate Professor and Radiologist-In-Chief
Children's Hospital of Pittsburgh

Donald W. Parsons, MD, PhD

Assistant Professor
Molecular and Human Genetics
Baylor College of Medicine

Ian F. Pollack, MD

Professor and Chief of Neurosurgical Surgery
Co-Director- Brain Tumor Program
Children's Hospital of Pittsburgh





Registration Information

On-site registration will open at 11:30 am on Friday, February 28, 2014. The conference will begin at 12:30 pm and the conference will adjourn at 3:45 pm on Saturday, March 1, 2014.

Advance registration is encouraged as space and materials are limited. Please see registration form for applicable fees.

The deadline for advance registration is Monday, January 20, 2014.

There are three ways to register:

- **On-line** at www.mdanderson.org/conferences
- **Mail to:** CME/Conference Management – Unit 1381,
The University of Texas MD Anderson Cancer Center,
- P.O. Box 301439, Houston, TX 77230-1439
- **Fax to:** 713-794-1724

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)

When registering online, a receipt/confirmation letter will be automatically e-mailed to the e-mail address you list on the registration form. If you register by fax or mail, a receipt/confirmation letter will be sent to you within ten working days of receipt of your fee.

The conference registration fee includes tuition, final conference program, breakfast, breaks, and lunch.



Refund/Cancellation Policy:

The registration fee, minus a \$50 administrative handling fee, is refundable if a written request is received on or before **January 20, 2014**. 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, contact CME/Conference Management at register@mdanderson.org, 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 at the Texas Medical Center** located at 6580 Fannin Street, Houston, Texas 77030.
- Early hotel reservation is suggested.
- The hotel phone number is 1-800-228-9290.
- When you make reservations be sure to mention the **Pediatric Neuro-Oncology Symposium** group name to be assured of receiving the special meeting rate of \$149 for a King guest room. Please add 17% (Texas) state and local taxes.
- Reservations and deposits received after **Thursday, February 6, 2014** will be confirmed if space is available and at current hotel published guest room rates.

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 \$40-\$60 one-way from both airports.
- SuperShuttle operates a shuttle bus from both airports at an estimated cost of \$24-\$27 one-way. For more information, call 713-523-8888 or toll-free at 800-258-3826 or on-line at www.supershuttle.com.

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.

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 Chair for consideration.

CONFERENCE REGISTRATION - (PS101270)/D111986

Pediatric Neuro-Oncology Symposium - In Memory of Dr. Marnie Rose
February 28-March 1, 2014

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