Mayo Clinic School of Continuous Professional Development

Mayo Clinic Neuroscience and Oncology Innovation Summit 2017

Four Seasons Resort Orlando at Walt Disney World® Resort
Orlando, FL

SEPTEMBER 7-9, 2017

Course Directors:
Robert B. Diasio, M.D.
W. David Freeman, M.D.
Betty Kim, M.D., Ph.D.
Alfredo Quiñones-Hinojosa, M.D.
Joon H. Uhm, M.D.

Co-Course Directors:
Christina Smith, A.R.N.P.

18.0 AMA PRA Category 1 Credits™

REGISTER NOW! Registration and additional course information can be found on our course website: ce.mayo.edu/node/25632
Course Description
The course is designed to provide cutting edge medical knowledge and will focus on both basic and advanced topics and will cover scientific principles including DNA editing, (CRISPr Cas9) brain tumor biology and growth, vascular neogenesis, nanotechnology for tumor suppression, viral vectors for tumor destruction, and other new agents to target and destroy brain tumors. The faculty will discuss new therapies that are available and interpret the impact of recent clinical trial data on clinical practice as well as emerging precision medicine practices.

Course Learning Objectives
Upon conclusion of this program, participants should be able to:
• Recognize the signs and symptoms of cancer and primary and metastatic brain tumors
• Define tumor biology of primary and metastatic brain tumors as well as new scientific methods to destroy and neutralize tumor growth
• Provide cutting-edge updates in neuroscience, neuro-oncology and oncologic biology research
• Outline U.S. health challenges in patient care for the future of those with brain and other tumors and cancer

Intended Audience
This course is designed for neurologists, neurosurgeons, medical oncologists, neuropathologists, neurointerventional surgeons, radiation oncologists, pathologists, ARNPs/PAs, nurses and other health care personnel who are interested in this field.

Credit
Mayo Clinic College of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Mayo Clinic College of Medicine designates this live activity for a maximum of 18.0 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

AOA
This program has been accredited by the American Osteopathic Association for 18.0 credits of AOA Category 2-A.

Other Health Care Professionals
A certificate of attendance will be provided to other health care professionals for requesting credits in accordance with state nursing boards, specialty societies, or other professional associations.

Registration Fees
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<th>On or Before August 7, 2017</th>
<th>After August 7, 2017</th>
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<tr>
<td>Physicians and Scientists</td>
<td>$750</td>
<td>$850</td>
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<tr>
<td>ARNPs &amp; PAs, Residents, Fellows, RNs, Allied Health and Retirees</td>
<td>$400</td>
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<td>Public/Student (No CEUs or CMEs Awarded)*</td>
<td>$50 per day</td>
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*If you are not claiming continuing education credits, please contact the CME Department at 1-800-462-9633 to register by phone.

Registration
To register online, visit ce.mayo.edu/node/25632. The registration fee includes tuition, comprehensive electronic course syllabus, continental breakfasts, break refreshments, reception, and lunch. Although it is not Mayo Clinic School of Continuous Professional Development (CPD) policy to limit the number of registrants for a course, conference room facilities may necessitate closing of enrollment; therefore, early registration is advised. A letter of confirmation will be sent upon receipt of payment and completed registration form.
Travel and Lodging
Accommodations
Four Seasons Resort Orlando at Walt Disney World® Resort
10100 Dream Tree Boulevard
Buena Vista, FL 32836
407-313-7777

Four Seasons is offering rooms starting at $249 per night, plus tax for attendees and their guests. When calling to make a reservation, identify yourself as a participant of the Mayo Clinic Neurosurgical Symposium. Special room rates are available until the block is sold out or August 7, 2017, whichever comes first.

Mayo Clinic School of CPD is not responsible for expenses incurred by an individual who is not confirmed and for whom space is not available at the meeting. Costs incurred by the registrant such as airline or hotel fees or penalties are the responsibility of the registrant.

5K Race and Walk
Saturday, September 9, 2017
Bill Frederick Park at Turkey Lake, Orlando, FL
Sponsored by the National Brain Tumor Society and Mayo Clinic in Florida.
For more information visit: http://events.braintumor.org/orlando-brain-tumor-walk/

Faculty

Guest Faculty Listing
Romegryko Geocadin, M.D.
Johns Hopkins Neurointensivist, Former NCS President
Jose M. Hernandez
Engineer and Former NASA Astronaut

Miguel Machado, M.D.
Flagler Hospital in St. Augustine
Former Florida Medical Association President

Albert Manero II, Ph.D.
Director of Limitless Solutions

Kenneth Ngo, M.D.
Brooks Rehabilitation

Antonia Novello, M.D., MPH
14th Surgeon General

Reinhard von Roemeling, M.D.
Senior Vice President, Clinical Development
Global TA Head Oncology at EMD Serono, Inc.

Amanda Gammisch
Patient

Marichu Rosales
Patient

Beatrice Lukac Sadlier
Patient

Jose Antonio Balleza Agnesi
Patient

Mayo Clinic Faculty Listing

Thomas G. Brott, M.D.
Paul D. Brown, M.D.
Guojun Bu, Ph.D.
Jan C. Buckner, M.D.
Asher A. Chanan-Khan, M.D.
Robert B. Diasio, M.D.
Stephen C. Ekker, Ph.D.
Gianrico Farrugia, M.D.
W. David Freeman, M.D.
Matthew P. Goetz, M.D.
Robert B. Jenkins, M.D., Ph.D.
Betty Kim, M.D., Ph.D.
Keith L. Knutson, Ph.D.
Dawn M. Mussallem, D.O.
Alexander S. Parker, Ph.D.
Ronald C. Petersen, M.D., Ph.D.
Alfredo Quiñones-Hinojosa, M.D.
Ronald Reimer, M.D.
Steven Rosenfeld, M.D., Ph.D.
Owen A. Ross, Ph.D.
Jann N. Sarkaria, M.D.
Kristin R. Swanson, Ph.D.
Joon H. Uhm, M.D.
Robert E. Wharen, Jr., M.D.
Abba C. Zubair, M.D., Ph.D.
Thursday, September 7, 2017

Neuroscience Discoveries
TED-like talks

7:30 – 8:30 a.m.  Continental Breakfast & Exhibits

8:30 – 8:40  Welcome & Announcements
Alfredo Quiñones-Hinojosa, M.D.

8:40 – 9:10  Nanomedicine in the Era of Immuno-Oncology
Betty Kim, M.D., Ph.D.

9:10-9:30  Individualized Medicine: Moving Deeper in to Clinical Practice
Alexander S. Parker, Ph.D.

9:30-9:50  Stem Cell Therapy for Patients with Intracerebral Hemorrhage (ICH)
Abba C. Zubair, M.D., Ph.D.

9:50-10:20 Q&A

10:20-10:35  Refreshment Break & Exhibits

10:35- 10:55  How to Join the Genome Writers Guild
Stephen C. Ekker, Ph.D.

10:55-11:15  Biomarkers for Alzheimer's Disease
Ronald C. Petersen, M.D., Ph.D.

11:15-11:35  Vascular Risk Factors for Alzheimer's Disease
Guojun Bu, Ph.D.

11:35-12:10 p.m.  Q&A

12:10 – 1:10  Buffet Lunch, Networking & Exhibits

1:10 – 1:35  Genetics of Cerebrovascular Disease
Owen A. Ross, Ph.D.

1:35 – 1:55  Minimally Invasive Neurosurgery for Epilepsy Patients
Robert E. Wharen, Jr., M.D.

1:55 - 2:15  UCF Next Generation Bionics Laboratory---Bringing Bionic Arms to Life for Girls and Boys
Albert Manero II, Ph.D.

2:15 – 2:25  Neuroprosthetics and Iron Man
Albert Manero II, Ph.D. and Patient Family

2:25 - 2:45  Refreshment Break & Exhibits

2:40 – 3:00  Molecular Medicine and the Free-fall in Cerebrovascular Mortality
Thomas G. Brott, M.D.

3:00- 3:20  Targeting Go and Grow in Glioblastoma
Steven Rosenfeld, M.D., Ph.D.

3:20- 3:50 Q&A

3:50-5:20  Healthcare’s Top Ten Disruptive Innovations in Neuroscience and Oncology
Moderator: Ken Justice, Newsreporter
Reinhard von Roemeling, M.D.
Giannico Farrugia, M.D.

5:20 – 6:30  Adjourn/Reception on Lawn, Cash bar

Friday, September 8, 2017

Neurosurgical/Oncology Breakthroughs

7:30 – 8:20 a.m.  Continental Breakfast & Exhibits

8:20 – 8:30  Welcome & Announcements
W. David Freeman, M.D.

8:30 – 9:00  State of the Art—Future Therapies for Glioblastoma Multiforme
Alfredo Quiñones-Hinojosa, M.D.

9:00-9:20  Advances in Chemoradiation for Patients with Low Grade Gliomas
Jan C. Buckner, M.D.

9:20- 9:40  The Influence of Blood Brain Barrier Heterogeneity on Treatment Efficacy in Brain Tumors
Guojun Bu, Ph.D.
Friday, September 8, 2017

9:40-10:10 Q & A

10:10-10:25 Refreshment Break & Exhibits

10:25-10:45 The Neuro-Oncology Program at Mayo Clinic Cancer Center; A Vision for the Future

Robert B. Diasio, M.D.

10:45-11:05 Advances in Chemotherapy for High Grade Gliomas

Joon H. Uhm, M.D.

11:05-11:25 Every Patient Deserves Their Own Equation

Kristin R. Swanson, Ph.D.

11:25-11:45 p.m. Neurohacking: The Transformative Power of Integrative Medicine and Brain Enhancement

Dawn M. Mussallem, D.O.

11:45-12:15 p.m. Q & A

12:15 – 1:15 Buffet Lunch, Networking & Exhibits

1:15 – 1:35 Surviving My Own Stroke

Romer Geocadin, M.D.

1:35 – 3:35 Physician Panel- Q&A with

Vivien Williams

Alfredo Quiñones-Hinojosa, M.D.

Kenneth Ngo, M.D.

Ronald Reimer, M.D.

My Journey- The Patient Centered Q&A with Vivien Williams

Amanda Gammisch

Marichu Rosales

Beatrice Lukac Sadlier

Jose Antonio Balleza Agnesi

4:00 p.m. Adjourn

Saturday, September 9, 2017

8:30 – 8:40 a.m. Welcome & Announcements

W. David Freeman, M.D. & Alfredo Quiñones-Hinojosa, M.D.

8:40 – 9:00 Integration of Tumor Sequencing and Patient Derived Xenografts into the Management of Breast Cancer: The Mayo Breast Cancer Genome Guided Therapy Study (BEAUTY)

Matthew P. Goetz, M.D.

9:00-9:20 Cancer Immunity

Keith L. Knutson, Ph.D.

9:20-9:40 Understanding the Germline and Somatic Pathogenesis of Gliomas

Robert B. Jenkins, M.D., Ph.D.

9:40-10:10 Q&A

10:10-10:25 Refreshment Break & Exhibits

10:25- 10:45 Tailoring Radiation for Tumors

Paul D. Brown, M.D.

11:05-11:25 Brain Surgery vs Rocket Science-Q&A

Alfredo Quiñones-Hinojosa, M.D. and Jose M. Hernandez

11:25-12:00 p.m. Q&A

12:00 – 1:00 p.m. Buffet Lunch, Networking, & Exhibits

3:30 p.m. Adjourn

Saturday, September 9, 2017

Neurosurgical/Oncology Breakthroughs-II

7:30 – 8:30 a.m. Continental Breakfast & Exhibits

3:30 p.m. Adjourn
Mayo Clinic Neuroscience and Oncology Innovation Summit

Save the Date!
OCTOBER 18-20, 2018

The Ritz-Carlton, South Beach
Miami Beach, FL