



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

18.0 AMA PRA
Category 1
Credits™

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:

Suzanne M. Brown, B.S.N.,
C.N.R.N., S.C.R.N.
Christina Smith, A.R.N.P.



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

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.

Registration Fees		
	On or Before August 7, 2017	After August 7, 2017
Physicians and Scientists	\$750	\$850
ARNPs & PAs, Residents, Fellows, RNs, Allied Health and Retirees	\$400	\$500
Public/Student (No CEUs or CMEs Awarded)* <i>*If you are not claiming continuing education credits, please contact the CME Department at 1-800-462-9633 to register by phone.</i>	\$50 per day	\$50 per day



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/>



Disney©

Faculty

Guest Faculty Listing

Romergrgyko 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 Limbitless 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.*

PROGRAM

Thursday, September 7, 2017

Neuroscience Discoveries

TED-like talks

7:30 – 8:30 a.m.	Continental Breakfast & Exhibits	2:15 – 2:25	Neuroprosthetics and Iron Man <i>Albert Manero II, Ph.D. and Patient Family</i>
8:30 – 8:40	Welcome & Announcements <i>Alfredo Quiñones-Hinojosa, M.D.</i>	2:25 - 2:45	Refreshment Break & Exhibits
8:40 – 9:10	Nanomedicine in the Era of Immuno-Oncology <i>Betty Kim, M.D., Ph.D.</i>	2:40 – 3:00	Molecular Medicine and the Free-fall in Cerebrovascular Mortality <i>Thomas G. Brott, M.D.</i>
9:10-9:30	Individualized Medicine: Moving Deeper in to Clinical Practice <i>Alexander S. Parker, Ph.D.</i>	3:00- 3:20	Targeting Go and Grow in Glioblastoma <i>Steven Rosenfeld, M.D., Ph.D.</i>
9:30-9:50	Stem Cell Therapy for Patients with Intracerebral Hemorrhage (ICH) <i>Abba C. Zubair, M.D., Ph.D.</i>	3:20- 3:50	Q&A
9:50-10:20	Q&A	3:50-5:20	Healthcare's Top Ten Disruptive Innovations in Neuroscience and Oncology <i>Moderator: Ken Justice, Newsreporter Reinhard von Roemeling, M.D. Gianrico Farrugia, M.D.</i>
10:20-10:35	Refreshment Break & Exhibits		
10:35- 10:55	How to Join the Genome Writers Guild <i>Stephen C. Ekker, Ph.D.</i>		
10:55-11:15	Biomarkers for Alzheimer's Disease <i>Ronald C. Petersen, M.D., Ph.D.</i>	5:20 – 6:30	Adjourn/Reception on Lawn, Cash bar

Friday, September 8, 2017

Neurosurgical/Oncology Breakthroughs

11:15-11:35	Vascular Risk Factors for Alzheimer's Disease <i>Guojun Bu, Ph.D.</i>	7:30 – 8:20 a.m.	Continental Breakfast & Exhibits
11:35-12:10 p.m.	Q&A	8:20 – 8:30	Welcome & Announcements <i>W. David Freeman, M.D.</i>
12:10 – 1:10	Buffet Lunch, Networking & Exhibits	8:30 – 9:00	State of the Art – Future Therapies for Glioblastoma Multiforme <i>Alfredo Quiñones-Hinojosa, M.D.</i>
1:10 – 1:35	Genetics of Cerebrovascular Disease <i>Owen A. Ross, Ph.D.</i>	9:00-9:20	Advances in Chemoradiation for Patients with Low Grade Gliomas <i>Jan C. Buckner, M.D.</i>
1:35 – 1:55	Minimally Invasive Neurosurgery for Epilepsy Patients <i>Robert E. Wharen, Jr., M.D.</i>	9:20-9:40	The Influence of Blood Brain Barrier Heterogeneity on Treatment Efficacy in Brain Tumors <i>Jann N. Sarkaria, M.D.</i>
1:55 - 2:15	UCF Next Generation Bionics Laboratory--- Bringing Bionic Arms to Life for Girls and Boys <i>Albert Manero II, Ph.D. Director of Limbitless Solutions</i>		

Friday, September 8, 2017

continued

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 <i>Robert B. Diasio, M.D.</i>
10:45-11:05	Advances in Chemotherapy for High Grade Gliomas <i>Joon H. Uhm, M.D.</i>
11:05-11:25	Every Patient Deserves Their Own Equation <i>Kristin R. Swanson, Ph.D.</i>
11:25-11:45 p.m.	Neurohacking: The Transformative Power of Integrative Medicine and Brain Enhancement <i>Dawn M. Mussallem, D.O.</i>
11:45-12:15 p.m.	Q& A
12:15 – 1:15	Buffet Lunch, Networking & Exhibits
1:15 – 1:35	Surviving My Own Stroke <i>Romer Geocadin, M.D.</i>
1:35 – 3:35	Physician Panel- Q&A with Vivien Williams <i>Alfredo Quiñones-Hinojosa, M.D.</i> <i>Kenneth Ngo, M.D.</i> <i>Ronald Reimer, M.D.</i>
	My Journey- The Patient Centered Q&A with Vivien Williams <i>Amanda Gammisch</i> <i>Marichu Rosales</i> <i>Beatrice Lukac Sadlier</i> <i>Jose Antonio Balleza Agnesi</i>

4:00 p.m. Adjourn

Saturday, September 9, 2017

Neurosurgical/Oncology Breakthroughs-II

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

Saturday, September 9, 2017

continued

8:30 – 8:40 a.m.	Welcome & Announcements <i>W. David Freeman, M.D. & Alfredo Quiñones-Hinojosa, MD</i>
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) <i>Matthew P. Goetz, M.D.</i>
9:00-9:20	Cancer Immunity <i>Keith L. Knutson, Ph.D.</i>
9:20-9:40	Understanding the Germline and Somatic Pathogenesis of Gliomas <i>Robert B. Jenkins, M.D., Ph.D.</i>
9:40-10:10	Q&A
10:10-10:25	Refreshment Break & Exhibits
10:25- 10:45	Tailoring Radiation for Tumors <i>Paul D. Brown, M.D.</i>
11:45-11:05	An Astronaut's Journey to the Stars <i>Jose M. Hernandez Engineer and Former NASA Astronaut</i>
11:05-11:25	Brain Surgery vs Rocket Science-Q&A <i>Alfredo Quiñones-Hinojosa, M.D. and Jose M. Hernandez</i>
11:25-12:00 p.m.	Q&A
12:00 – 1:00 p.m.	Buffet Lunch, Networking, & Exhibits
1:30- 3:30	Future of Healthcare in Florida <i>Moderator: Vivien Williams Antonia Novello, M.D. Miguel A. Machado, M.D. And Additional Special Guests</i>
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



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4500 San Pablo Road
Jacksonville, FL 32224

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