



Mayo Clinic School of Continuous
Professional Development

CONVERGENCE NEUROSCIENCE

THE RITZ-CARLTON AMELIA ISLAND

AMELIA ISLAND, FLORIDA

NOVEMBER 8–10, 2018

COURSE DIRECTORS

W. David Freeman, M.D.

Kevin M. Barrett, M.D.

Alfredo Quinones-Hinojosa, M.D.

Alejandro A. Rabinstein, M.D.

Leonard Petrucelli, Ph.D.

Michael Pizzi, D.O., Ph.D.

Kevin Bennet, Ph.D., MBA

Nicole Avalon, M.P.A.S., PA-C

Amelia E. Mantione, R.N.

17.25
AMA PRA
CATEGORY 1
CREDITS™

REGISTER TODAY: CE.MAYO.EDU/CN2018

TARGET AUDIENCE

Neurologists, neurosurgeons, neuroscientists (PhD), chemists and physicists (physical science), engineers (mechanical, electrical, software, and health care). Also newer scientific fields are emerging that are key to convergence in health care including health information technology (IT), informatics, artificial intelligence and machine learning experts.

LEARNING OBJECTIVES

- Discuss complex neuroscientific conditions requiring a convergence science approach
- Identify emerging neuroscience innovations in clinical, basic science and engineering
- Recognize and implement the concept of convergence as outlined by National Academies of Medicine, Science and Engineering, National Institutes of Health, and how this helps translational science
- Identify opportunities for scientific collaboration, discovery, and problem solving
- Create a growing network of convergence neuroscience teams among basic scientists, neurologists, neurosurgeons, engineers and computing science (artificial intelligence and machine learning)

ONLINE REGISTRATION

CE.MAYO.EDU/CN2018

REGISTRATION FEES (3-DAYS)

\$795	Physicians
\$400	Resident, Fellow, NP, PA, Allied Health Professional, Retiree
\$450	PhD Faculty
\$300	Students (College, MD, PhD)

LODGING & ACCOMMODATIONS

Ritz-Carlton Amelia Island

Amelia Island, FL
888-239-1217



The Ritz-Carlton Amelia Island is offering an educational discount rate on rooms starting at \$269 per night, plus tax for attendees and their guests. When calling to make a reservation, identify yourself as a participant of the Mayo Clinic Convergence Neuroscience. Special room rates are available until the block is sold out or **Friday, October 5, 2018**, whichever comes first.

SOCIAL PROGRAM

Opening Reception - Networking and Machine Learning - Thursday, November 8

ABSTRACTS

See **ce.mayo.edu/cn2018** for more information.

CANCELLATION POLICY

Please visit **ce.mayo.edu/cancellation** for more information.

GUEST FACULTY

- Paldeep Atwal, M.B.B.S.**, The Atwal Clinic, Jacksonville, Florida
Nicole Avalon, M.P.A.S., Ph.D. Candidate, Tampa, Florida
Matt Berseth, NLP Logix, Jacksonville, Florida
Albert Manero, Ph.D., Limbitless Solutions, Orlando, Florida
Robert McIver, Ph.D., Brooks Rehabilitation, Jacksonville, Florida
Michael Pizzi, D.O., Ph.D., University of Florida, Jacksonville, Florida
Matthew Raymond, Ph.D., National Institutes of Health, Bethesda, Maryland
Margaret Sutherland, Ph.D., National Institutes of Health, Bethesda, Maryland

PROGRAM AT-A-GLANCE

THURSDAY, NOVEMBER 8, 2018
<ul style="list-style-type: none">• Neuroscience cutting edge research• Updates in Alzheimer’s R&D and Genetics• Gut Microbiome and Brain Health• Precision Medicine Genetics of Neuro Diseases• Big Data and the NIH Neuroscience Initiatives• Multiple Sclerosis Update
FRIDAY, NOVEMBER 9, 2018
<ul style="list-style-type: none">• NIH BRAIN Initiative Update• Neurostimulation for Neurological Diseases• Brain Machine Interfacing for Epilepsy and Neural Engineering• Machine Learning in Health Care• Breakout Themes: Bioinformatics, Neural Engineering, NeuroInformatics, Artificial Intelligence, and Translational Neuroscience
SATURDAY, NOVEMBER 10, 2018
<ul style="list-style-type: none">• Cognitive Bias Codex and “Kahneman’s Thinking Fast and Slow”• Neuropsychiatric Circuits and Depression and Transcranial Stimulation• Music and the Brain• NeuroRehab and Cybernetic Exoskeletons• Neural Prosthetics for ALS• 3-D Bioprinting applications for Neuroscientists, Neurologists and Neurosurgeons

CREDIT



In support of improving patient care, Mayo Clinic College of Medicine and Science is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC) to provide continuing education for the healthcare team.

Mayo Clinic College of Medicine and Science designates this live activity for a maximum of 17.25 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

ANCC – Mayo Clinic College of Medicine and Science designates this live activity for a maximum of 17.25 ANCC nursing contact hours. Nurses should claim only the credit commensurate with the extent of their participation in the activity.

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

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CONVERGENCE NEUROSCIENCE

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