



CONFERENCE AGENDA



- 8:00am - Breakfast and Registration
- 9:00am - Welcome to the 2024 NeuroIMPACT Conference
Dr. Nathan C. Rowland, MD, PhD, FAANS
- 9:15am - Remarks on Occasion
Dr. David Cole, President, MUSC
- 9:25am - Introduction of Speaker
Dr. Jessica Barley, PhD, CNIM
- 9:30am - Keynote
Jack Shaw, MBA
- 10:15am - Questions and Break

Transforming Care

- 10:40am** Building the Future: Advancing EMR Development Using AI-enabled Tools and Strategies
Rebecca G. Mishuris, MD, MPH, MS
- 11:00am** Precision Medicine Revolution: AI Applications in Epilepsy Diagnosis and Treatment
Leonardo Bonilha, MD, PhD
- 11:20am** AI in Neurosurgery: Systems of Care, Triage, Evaluation and Transfer
Alejandro Spiotta, MD, FAANS
- 11:40am** Continuous Monitoring AI for Early Detection of Acute Inpatient Conditions
Aaron Masino, PhD
- 12:00pm** AI and Brain-Machine Interfaces: IEEE Milestone Achievement Recognition for the First Control of a Robot Using EEG signals
Stevó Bozinovski, PhD and Liljana Bozinovska, MD, PhD

Transforming Education

- 10:40am** Culture-Building Practices For Successful Integration of AI Across Large Health Care Enterprises
Margaret Lozovatsky, MD, FAMIA
- 11:00am** Siri, scalpel, please! Siri: Alexa, order more scrapples!
Aaron Heath, JD, CISSP
- 11:20am** Bolstering the Biomedical AI and Engineering Pipeline: Introducing the Call Me Doctor Program
Jordon Gilmore, PhD
- 11:40am** The View of AI from an Epidemiologist: Challenges and Opportunities in Educating the Next Generation
Jeffrey Korte, PhD
- 12:00pm** **Panel Discussion:** Convergence of Intelligence: Harnessing AI to Transform the Future of Medicine, Learning, and Research
Mary Mauldin, EdD and Timothy R. Smith, MD, PhD, MPH

Transforming Collaboration

- 10:40am** From Lab to Market: Accelerating Impact in Medical AI
Daniel Donoho, MD
- 11:00am** Building the Future: Multi-Institutional AI Institutes in Neuroscience
G. Hamilton Baker, MD, MS (BDSI)
- 11:20am** Treating Cerebrovascular Disease Using Computers
Jason Davies, MD, PhD
- 11:40am** Concept to Reality: Showcasing the Latest AI Tools at MUSC
Kaitlyn Torrence, MHA and Franco Cardillo, MHA
- 12:00pm** AI for the Brain in Space: Partnering with the US Air Force to Develop Technologies for Human Deep Space Flight
Mark Rosenberg, MD

Lunch and Vendor Presentations

- 1:15pm** **Point:** Harnessing AI for Accurate Brain Tumor Diagnosis: Uncovering the Algorithm-Making Process
Carlo Vermeulen, PhD
- 1:45pm** **Counterpoint:** Examining the Impact of AI on Real-World Brain Cancer Patient Workflows and Research Strategies
Tiffany Baker, MD, PhD, Daynna J. Wolff, PhD, Alicia Zukas, MD, Angela Alexander-Bryant, PhD, Alex Vandergrift, MD, Charlotte Rivers, MD, Ben Strickland, MD

- 1:15pm** Using Computer Vision to Monitor Suturing Technique for Surgical Residents
Joseph Singapogu, PhD
- 1:30pm** Preparing Health Professionals for Digital Health: Implications for Collaborative Practice
Dusti Annan, EdD, Jeff Borckardt, PhD, Kimberly Kascak, MS, and Lisa Langdale, MSN, RN
- 1:45pm** Smart Job Search: Leveraging AI for Career Opportunities in Neuroscience
Kimberly Kicielinski, MD, MSPH
- 2:00pm** Developing Generalizable AI Models for Neuroscience Research
Nianyí Li, PhD

- 1:15pm** **Panel Discussion:** Cybersecurity in Today's Healthcare: A Review from Newberry Hospital
Corey J. Bishop
Director of Surgery and Emergency Management for Newberry Hospital
- 1:45pm** **Panelists:** Cyber Sentry: How can inter-institutional collaboration in AI form a stronger digital defense network?
Farhath Zareen, PhD and Arpit Sharma, MBA, PhD

Break and Vendor Presentations

- 2:45pm** **Panel Discussion:** Using AI to Revolutionize Management and Prognosis of Brain Disorders
Ezequiel "Zeke" Gleichgerrcht, MD
- 3:15pm** **Panelists:** What Are the Essential AI Tools Needed to Reshape Care of Neuroscience Patients?
Christopher Metts, MD, Maria Spampinato, MD

- 2:45pm** A Framework for Responding to Generative AI in Education
Julaine Fowlin, PhD and Mary Smith, MT
- 3:00pm** Future-Ready Learners: Parental Involvement in Fostering AI Literacy and Ethical Use
Kelli Jenkins, MS Ed
- 3:15pm** AI and the New Research Toolkit: The Shifting Landscape for Graduate and Post-Doctoral Studies in Neuroscience
Claudia Salazar, PhD
- 3:30pm** AI and Lifelong Learning: Strategies for Continuous Professional Development
Teresa Stephens, PhD, RN, CNE and Hunter S. Stephens, PhD

- 2:45pm** **The Pitch:** Proposing Ideas and Navigating Intellectual Property in Collaborative AI-Neuroscience Ventures
Jon Halford, MD
- 3:15pm** **Pitch Contestants:** Iterative Ideation for Successful Entry Into the Neuro AI Space
Chase Walton, MS
Daniel Lench, PhD
Brian Saway, MD

AI and Multi-omics Data Integration
Use of fMRI to predict DBS response
Use of Ultrasound to diagnose SCI

4:00pm Conference Ends - Thank You For Attending!

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Conference Description

NeuroIMPACT 2024 will bring together leading experts, researchers, and innovators to explore the cutting-edge applications of AI in basic and clinical neuroscience. Don't miss this unique opportunity to advance your career and position yourself in the middle of the most exciting revolution in our field!

Credit Designation

The Medical University of South Carolina designates this live activity for a maximum of 7.5 AMA PRA Category 1 Credit(s)[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity. Nurses: Nursing Credit: Most states accept CMEs that apply to a specific nursing specialty as nursing continuing education. Please check with your respective State Board of Nursing to ascertain the equivalent number of contact hours offered for *7.5 AMA PRA Category 1 Credit(s)*[™]

Accreditation

The Medical University of South Carolina is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Disclosure

In accordance with the ACCME Standards for Integrity and Independence in Accredited Continuing Education anyone involved in planning or presenting this educational activity will be required to disclose any financial relationships with any ineligible companies. An ineligible company is any entity whose primary business is producing, marketing, selling, reselling, or distributing healthcare products used by or on patients. Any financial relationships with these ineligible companies have been mitigated by the MUSC Office of CME. Speakers who incorporate information about off-label or investigational use of drugs or devices will be asked to disclose that information at the beginning of their presentation.

Americans With Disabilities Act

It is the policy of the Medical University of South Carolina not to discriminate against any person on the basis of disabilities. If you feel you need services or the auxiliary aids mentioned in this act in order to fully participate in this continuing medical education activity, please call the Office of CME at 843-876-1925.



Scan here for more conference information!



AI IN NEUROSCIENCE

Neuro
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CHARLESTON, SC | MAY 2, 2024