

**NEW YORK SYMPOSIUM: INNOVATION IN NEUROSCIENCES (NYS-IN)
PRELIMINARY AGENDA**

7:30-7:50 Registration and Breakfast

7:50-8:00 Welcome Address

8:00-09:00 Innovation in Hemorrhagic Stroke I

Moderators: Ji Chong, MD, David Langer, MD

8:00-8:05 Session intro

08:00-08:05 Code ICH: A Call to Action Stephan Mayer, MD

08:10-08:20 Innovation in Management of Delayed Cerebral Ischemia in Subarachnoid Hemorrhage Henry Woo, MD

08:20-08:30 SDH management in the era of MMA Embolization Jared Knopman, MD

08:30-08:50 Debate: Minimally Invasive Intracranial Hematoma Evacuation for All: Universal Application or Selective Strategy in the Era of Precision Medicine and Individualized Care Chris Kellner, MD vs Alex Merkler, MD

08:50-8:55 Q & A Topic Discussion Ji Chong, MD & David Langer, MD

XXXXXXXXX Keynote Address: Brain Computer Interface Tom Oxley, MD

9:00-10:00 Innovation in Neuroendovascular Surgery

Moderators: Justin Santarelli, MD; Dorothea Altschul, MD; Lisha Melathe, PA

9:00-9:05 Session intro

09:00-09:10 Endovascular Venous Treatment of Tinnitus Athos Patsalides, MD

09:10-09:20 Innovation in Stroke Trials the STEPS Platform J Mocco, MD

09:20-09:30 Endovascular Shunting: The Next Revolution in Hydrocephalus Rx Charles Matouk, MD

09:30-09:50 Debate: Assisted Coil Embolization vs. Advanced Endovascular Modalities for Wide Neck Aneurysms: Reviving a Lost Art or Embracing Innovation? Seon-Kyu Lee, MD vs David Altschul, MD

09:50-9:55 Q & A Topic Discussion Justin Santarelli, MD; Dorothea Altschul, MD; Lisha Melathe, PA

10:00-10:15 Coffee Break

10:15-11:15 Innovation in Ischemic Stroke II

Moderators: Chai Medicherla, MD; Sara K. Rostanski, MD

10:00-10:05 Session intro

10:15-10:25 Dispelling Controversies in use of Direct oral anticoagulants (DOACs) Hooman Kamel,MD

10:35-10:45	Going Distal - Medium Vessel Occlusion (MeVO) and Distal Vessel Occlusions (DiVO)	Allan Brook, MD
10:45-10:55	Flow Reversal and Proximal Cerebral Protection Device in Carotid Stenting	Priyank Khandelwal MD
10:55-11:15	From Napkin to Prototype: Embarking on a 100-Mile Journey in Neurosciences Innovation	Joe Borello Jacob Wolf
11:15- 11:30	Debate: Large Core Ischemic Strokes- To Treat or Not to Treat	Josh Wiley,MD vs Grace Mandigo, MD
11:30-11:35	Q & A Topic Discussion	Chai Medicherla, MD; Sara K. Rostanski, MD
11:35-12:20 Innovation in Neuroimaging and Neuroendovascular Surgery II		
Moderators: Gaurav Gupta, MD & Peter Kim Nelson, MD		
11:35-11:40 Session intro		
11:40--11:45	AI in Aneurysm Monitoring	Fawaz Al-Mufti, MD
11:45--11:55	Updates in Flow diversion (Bio-coatings, Biodegradable & 3D Printed FDS, eCLIPs bifurcation flow diverter)	Justin Santarelli, MD
11:55--12:05	Surgical Theater: Virtual & Augmented Reality across Neurosciences	Joshua Bederson, MD
12:05--12:15	Recalcitrant Clots: Dual Stent Retrievers / Intracranial Stenting	Srikanth Boddu, MD
12:15-12:25	Vessel Wall imaging in Neurosciences	Johanna Fifi, MD
12:25-12:35	Mastering Intellectual Property Protection for Medical Devices	Michael V. Battaglia
12:35-12:40	Q & A Topic Discussion	Gaurav Gupta, MD & Peter Kim Nelson, MD
12:40-1:40 Sponsored Lunch Break		
	Go Big or Go Home: Large Bore Catheters (Introduce Splendid) Brain Jankowitz	Brian Jankowitz, MD
10 mins	The Voice of Innovation: AI in Stroke Imaging	Lee Birnbaum, MD
10 mins	The Voice of Innovation: Ultra-Early BP control in Acute Intracerebral Hemorrhage (Discuss CLUTCH trial)	Hijra El-Sabae, Pharm.D
10 mins	The Voice of Innovation	TBD
1:40-2:10 Innovation in NCC and BCI		
Moderator: Neha Dangayach, MD & Andrew Bauerschmidt, MD		
1:40-1:45 Session intro		
1:45-1:55	The Critical Care Unit of the Future: EICU	Dipak Chandy, MD

1:55-2:05	Minimally Invasive Monitoring in the NCC (Stereotactic Procedures at bedside (Flash EVD Navigation System) IRRFlow Liquiguards Pupillometry	Kiwon Lee, MD
2:05-2:15	Brain-computer interfaces and the future of neural engineering	Benjamin Rapoport, MD
2:15-2:25	Bioinformatics Artificial Intelligence and Machine Learning	Soojin Park, MD
2:25-2:35	Debate: Targeted Temperature Modulation- It's not about the Ice- it's about the fire	Alex Reynolds, MD vs Jon Rosenberg, MD
2:55-3:05	Q & A Topic Discussion	Neha Dangayach, MD & Andrew Bauerschmidt, MD
3:05-3:45 Innovation in Neurosciences & Neuromodulation: Rapid Fire		
Moderators: Dr. Mill Etienne		
3:00-3:05 Session intro		
3:05-3:15	Vagal nerve stimulation (VNS) and Responsive neurostimulation (RNS)	Carrie Muh, MD
3:15- 3:25	Updates in Neuromodulation (Pain Modulation & Functional Neurosurgery)	Vishad Sukul, MD
3:25-3:35	Breaking New Ground: Exploring Novel Anti-Epileptic Medications & Modalities	Steve Wolf, MD Patricia McGoldrick, NP
3:35-3:45	Rapid Response EEG with AI	Manisha Holmes, MD
3:45-3:50	Q & A Topic Discussion	Mill Etienne, MD
3:50-4:00 Coffee Break		
4:00-5:05 Innovation in Spine & Neuro-oncology		
Moderators: Dr. Jared Pisapia & Dr. Anna Piotrowski		
4:00-4:05 Session intro		
4:00-4:10	Connectomics	Randy D'Amico, MD
4:20-4:30	Applications of AI and Minimally Invasive Spine Surgery	Merritt Kinon, MD
4:30-4:40	CAR-T Cells: Engineering Immune Cells in Neuro-oncology	Synphen Wu, MD
4:40-4:50	Innovation in Neurooncological Surgery: From Brachytherapy, Gyroscopic SR to Tumor-derived immunotherapies (ZAP X Gamatile and Imvax)	Simon Hanft, MD
4:50-5:00	Ultra-Early AI and Robot Assisted Rehabilitation- Swallow Stim and REAL	
5:00-5:05	Q&A	
3:00-5:00 Neuroendovascular Hands-On Simulation Course		
Moderators: Dr. Gurmeen Kaur, Dr. Fawaz Al-Mufti, Dr. Chirag Gandhi & Dr. Justin Santarelli		

Flow Diversions, Coiling, Stent Assisted coiling, intrasaccular devices, Liquid Embolic station stations

NYS-IN Organizing Committee:

Section Chair Innovation in Hemorrhagic Stroke I	Dr. Ji Chong & Dr. David Langer
Section Chair Innovation in Neuroendovascular Surgery I	Dr. Justin Santarelli, Dr. Dorothea Altschul, Lisha Melathe, PA
Section Chair Innovation in Ischemic Stroke I	Dr. Chai Medicherla & Dr. Sara K. Rostanski
Section Chair Innovation in Neuroimaging & Neuroendovascular Surgery II	Dr. Gaurav Gupta & Dr. Peter Kim Nelson
Section Chair Innovation in NCC and BCI	Dr. Neha Dangayach & Dr. Stephan Mayer
Section Chair Innovation in Neurosciences & Neuromodulation	Dr. Mill Etienne
Section Chair Innovation in Spine & Neuro-oncology	Dr. Jared Pisapia & Dr. Anna Piotrowski
Neuroendovascular Fellows Course Director	Dr. Gurmeen Kaur, Dr. Fawaz Al-Mufti & Dr. Chirag Gandhi
Directors of Logistics and Organizational Development	Lisha Melathe, PA; Lynda George, MHA & Peter Jones, MBA

Invited Faculty

- Alex Merkler, MD
- Alex Reynolds, MD
- Allan Brook, MD
- Andrew Bauerschmidt, MD
- Brian Jankowitz, MD
- Carrie Muh, MD
- Charles Matouk, MD
- Chai Medicherla, MD
- Christopher Kellner, MD
- Dan Miller, MD
- David Altschul, MD
- David Langer, MD
- Edwin Gulko, MD
- Elad Levy, MD
- Eytan Raz, MD
- Gaurav Gupta, MD
- Grace Mandigo, MD

- Haralabos Zakaratos, DO
- Hazem Shoiria, MD
- Henry Woo, MD
- Hooman Kamel, MD
- Jared Cooper, MD
- Jared Knopman, MD
- Jan Claassen, MD
- Jay Mocco, MD
- Ji Chong, MD
- Jon Rosenberg, MD
- Joshua Bederson
- Josh Wiley, MD
- Justin Santarelli, MD
- Manisha Holmes, MD
- Merrit Kinon, MD
- Neha Dangayach, MD
- Priyank Khandelwal, MD

- Randy D'amico, MD
- Sara K. Rostanski, MD
- Seon Kyu-Lee, MD
- Shahram Majidi, MD
- Simon Hanft, MD
- Soojin Park, MD
- Stephan Mayer, MD
- Steve Wolf, MD
- Synphen Wu, MD
- Tomoko Kitago, MD
- Tom Oxley, MD
- Tracey Milligan, MD
- Tudor Jovin, MD
- Vishad Sukul, MD