

**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

08:00-08:10	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
08:50-9:00	Q & A Topic Discussion	Ji Chong, MD & David Langer, MD

9:00-10:00 Innovation in Neuroendovascular Surgery

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

09:00-09:10	Endovascular Venous Treatment of Tinnitus	Athos Patsalides, MD
09:10-09:20	Endovascular Shunting: The Next Revolution in Hydrocephalus Rx	Charles Matouk, MD
09:20-09:30	Innovation in Stroke Trials the STEPS Platform	J Mocco, 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
09:50-10:00	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

10:15-10:25	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	Debate: Large Core Ischemic Strokes- To Treat or Not to Treat	Josh Wiley,MD vs Grace Mandigo, MD
	The Voice of Innovation: Go Big or Go Home: Large Bore Catheters (Introduce Splendid)	Cerenovus: Brian Jankowitz, MD
09:50- 10:00	Q & A Topic Discussion	
11:15-12:15	Innovation in Neuroimaging and Neuroendovascular Surgery II	
	Moderators: Dr. Gaurav Gupta & Dr. Peter Kim Nelson	
11:15--11:25	AI in Aneurysm Monitoring	Fawaz Al-Mufti, MD
11:15--11:25	Updates in Flow diversion (Bio-coatings, Biodegradable & 3D Printed FDS, eCLIPs bifurcation flow diverter)	Justin Santarelli, MD
11:25--11:35	Surgical Theater: Virtual & Augmented Reality across Neurosciences	Joshua Bederson, MD
11:35--11:45	Recalcitrant Clots: Dual Stent Retrievers / Intracranial Stenting	Srikanth Boddu, MD
11:45-12:05	Vessel Wall imaging in Neurosciences	Johanna Fifi, MD
12:05-12:15	The Voice of Innovation AI in Stroke Imaging	RAPID AI
12:15- 12:20	Q & A Topic Discussion	
12:25-12:45	Keynote Address: Brain Computer Interface	Tom Oxley, MD
12:45-1:30	Sponsored Lunch Break	
1:45-2:05	Innovation in Innovation in NCC and BCI	
	Moderator: Neha Dangayach, MD & Andrew Bauerschmidt, MD	
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
2:35-2:55	The Voice of Innovation: Ultra-Early BP control in Acute Intracerebral Hemorrhage (Discuss CLUTCH trial)	Chiesi: Hijra El-Sabae, Pharm.D
2:55-3:05	Q & A Topic Discussion	

3:05-3:45 Innovation in Neurosciences & Neuromodulation: Rapid Fire

Moderators: Dr. Tracey Milligan & Dr. Mill Etienne

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	Novel AEDs	Steve Wolf, MD
3:35-3:45	Rapid Response EEG with AI	Manisha Holmes, MD

3:45-4:00 Industry Insights: The Voice of Innovation TBD

4:00-4:10 Q & A Topic Discussion

4:10-4:20 Coffee Break

4:20-5:20 Innovation in Spine & Neuro-oncology

Moderators: Dr. Jared Pisapia & Dr. Anna Piotrowski

4:20-4:30	Connectomics	Randy D'Amico, MD
4:30-4:40	Applications of AI and Minimally Invasive Spine Surgery	Merritt Kinon, MD
4:40-4:50	CAR-T Cells: Engineering Immune Cells in Neuro-oncology	Synphen Wu, MD
4:50-5:00	Innovation in Neurooncological Surgery: From Brachytherapy, Gyroscopic SR to Tumor-derived immunotherapies (ZAP X Gamatile and Imvax)	Simon Hanft, MD
5:00-5:10	Ultra-Early AI and Robot Assisted Rehabilitation- Swallow Stim and REAL	Tomoko Kitago, MD
5:10-5:20	Q&A	

2:30-4:30 Neuroendovascular Fellows' Hands-on Course

Moderators: Dr. Gurmeen Kaur, Dr. Fawaz Al-Mufti & Dr. Chirag Gandhi

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. Tracey Milligan & 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

Invited Faculty

- Adnan Siddiqui, MD
- 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 Shoirra, MD
- Henry Woo, MD
- Hooman Kamel, MD
- Jared Cooper, MD
- Jared Knopman, MD
- Jan Claassen, MD
- J 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