

2021 RUNN Course Agenda
 October 30-November 6
 Woods Hole, MA

Start Time	End Time	Title	Last Name	First Name
Saturday, October 30, 2021				
4:00 PM	6:00 PM	Check-In Swope Hall		
5:00 PM	6:00 PM	Pre-Dinner; Wine & Beer		
6:00 PM	7:00 PM	Dinner		
7:00 PM	7:30 PM	Welcome, Introduction, and Course Objectives	Friedman	Allan
7:30 PM	8:15 PM	Philosophy of Science in Relevance to Neurosurgery	Awad	Issam
8:15 PM	9:30 PM	Inspiration and Neurosurgical Research - How to Start a Project, Grant or Paper	Dempsey	Robert
9:30 PM	11:00 PM	Mixer		
Sunday, October 31, 2021				
7:00 AM	8:30 AM	Breakfast		
8:30 AM	10:00 AM	Deconstructing a Neurosurgical Disease: A Path to Therapy for Cerebral Cavernous Malformation	Awad	Issam
10:00 AM	10:30 AM	Coffee Break		
10:30 AM	12:00 PM	Rewiring the Injured CNS	Benowitz	Larry
12:00 PM	1:00 PM	Lunch		
1:00 PM	2:30 PM	Connectomics	Lichtman	Jeff
2:30 PM	3:00 PM	Coffee Break		
3:00 PM	4:30 PM	Issues in Neurosurgical Clinical Research	Harbaugh	Robert
6:00 PM	7:00 PM	Dinner		
7:30 PM	9:00 PM	The Next Generation Surgeon (Data) Scientist	Smith	Timothy
Monday, November 1, 2021				
7:00 AM	8:30 AM	Breakfast		
8:30 AM	10:00 AM	Invisible Physics for Neurosurgeons: Hydrocephalus and Epilepsy	Madsen	Joseph
10:00 AM	10:30 AM	Coffee Break		
10:30 AM	12:00 PM	Genetics of Cerebrovascular Diseases	Rose	Du
12:00 PM	1:00 PM	Lunch		
1:00 PM	2:30 PM	Interneuron Transplantation: Basic Science and Prospective Clinical Applications	Derek	Southwell
2:30 PM	3:00 PM	Coffee Break		
3:00 PM	4:30 PM	Epilepsy	Emad	Eskandar
6:00 PM	7:00 PM	Dinner		
7:30 PM	9:00 PM	Breaking Barriers with Sound: From Glioblastoma to Alzheimer's Disease	TBD	TBD
9:00 PM	11:00 PM	Mixer		
Tuesday, November 2, 2021				
7:00 AM	8:30 AM	Breakfast		
8:30 AM	10:00 AM	The SUR1-TRPM4 Channel - a Critical Player in CNS Ischemia and Trauma	Simard	Marc
10:00 AM	10:30 AM	Coffee Break		
10:30 AM	12:00 PM	PD-1 Cancer Immunotherapy	Freeman	Gordon
12:00 PM	1:00 PM	Lunch		
1:00 PM	2:30 PM	Gene Therapy for Neurological Disorders	Corey	David
2:30 PM	3:00 PM	Coffee Break		
3:00 PM	4:30 PM	Brain Tumor Therapy	Brem	Henry
6:00 PM	7:00 PM	Dinner		
7:30 PM	9:00 PM	Functional Neurosurgical Approaches for Restoring Motor and Cognitive Function	Williams	Ziv

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Wednesday, November 3, 2021				
7:00 AM	8:30 AM	Breakfast		
8:30 AM	10:00 AM	Tools for Understanding and Repairing the Brain	Boyden	Edward
10:00 AM	10:15 AM	Coffee Break		
10:15 AM	11:30 AM	High grade glioma invasion: Clues from the leading edge	Rutka	James
11:30 AM	11:55 AM	Squid Lab Presentation and MBL Tours Bruce Anderson, Jim Galbraith	Andersen Galbraith	Bruce Jim
11:55 AM	2:00 PM	Lunch		
12:40 PM	6:45 PM	Squid Lab 160 Loeb & Tour of the MBL/Aquarium Bruce Anderson, Jim Galbraith		
6:00 PM	7:20 PM	Dinner		
7:30 PM	9:00 PM	The Art and Science of Lesioning the Brain: From Lobotomies to Focused Ultrasound	Reese	Cosgrove
Thursday, November 4, 2021				
7:00 AM	8:30 AM	Breakfast		
8:30 AM	10:00 AM	On Becoming an Academician	Benzel	Edward
10:00 AM	10:30 AM	Coffee Break		
10:30 AM	12:00 PM	BrainGate: Clinical Trials in Intracortical Brain-Computer Interfaces for the Restoration of Communication	Hochberg	Leigh
12:00 PM	1:00 PM	Lunch		
1:00 PM	2:30 PM	Aneurysm Genetics	TBD	TBD
2:30 PM	3:00 PM	Coffee Break		
3:00 PM	4:30 PM	von Hippel-Lindau Disease: From Bedside to Bench to Bedside	Kaelin	William
6:00 PM	7:00 PM	Dinner		
7:30 PM	9:00 PM	The Patient is Healthcare, and the Disease is Electronic	Bernstein	Kerry
9:00 PM	11:00 PM	Mixer		
Friday, November 5, 2021				
7:00 AM	8:30 AM	Breakfast		
8:30 AM	10:00 AM	Peripheral Nerve Regeneration and Repair: Possibilities and Challenges	Midha	Rajiv
10:00 AM	10:30 AM	Coffee Break		
10:30 AM	12:00 PM	Neuromodulatory and Activity Dependent Mechanisms that Enhance Sensorimotor and Autonomic Function	Edgerton	Reggie
12:00 PM	1:00 PM	Lunch		
1:00 PM	2:30 PM	Cyborgs IRL: Emerging Strategies and Applications for Neuromodulation	Asaad	Wael
2:30 PM	3:00 PM	Coffee Break		
3:00 PM	4:30 PM	The Search for Truth in Spine Surgery: RCTs, Registries, and now AI	Ghogawala	Zoher
5:00 PM	6:00 PM	Pre-Dinner Wine & Beer		
6:00 PM	9:00 PM	Dinner		
Saturday, November 6, 2021				
		Check Out by 10:00 am		