

2022 RUNN Course Agenda  
 October 29 - November 5  
 Woods Hole, MA

Start Time	End Time	Title	First Name	Last Name
<b>Saturday, October 29, 2022</b>				
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		
<b>7:00 PM</b>	<b>7:30 PM</b>	<b>Welcome, Introduction, and Course Objectives</b>	<b>Antonio Gerry Linda</b>	<b>Chiocca Grant Liau</b>
<b>7:30 PM</b>	<b>8:15 PM</b>	<b>Philosophy of Science in Relevance to Neurosurgery</b>	<b>Issam</b>	<b>Awad</b>
<b>8:15 PM</b>	<b>9:30 PM</b>	<b>Immunobiology of Glioma</b>	<b>Nduka</b>	<b>Amankolor</b>
9:30 PM	11:00 PM	Mixer		
<b>Sunday, October 30, 2022</b>				
7:00 AM	8:30 AM	Breakfast		
<b>8:30 AM</b>	<b>10:00 AM</b>	<b>Models of Hydrocephalus</b>	<b>Kristopher</b>	<b>Kahle</b>
10:00 AM	10:30 AM	Coffee Break		
<b>10:30 AM</b>	<b>12:00 PM</b>	<b>TBD</b>		
12:00 PM	1:00 PM	Lunch		
<b>1:00 PM</b>	<b>2:30 PM</b>	<b>TBD</b>	<b>Mario</b>	<b>Suva</b>
5:00 PM	6:00 PM	Dinner		
<b>6:30 PM</b>	<b>7:45 PM</b>	<b>Registries in Neuroscience: How to Use Them to Change Care</b>	<b>Timothy</b>	<b>Smith</b>
<b>8:00 PM</b>	<b>9:15 PM</b>	<b>The Neurosurgeon Data Scientist</b>	<b>Eric</b>	<b>Oehrmann</b>
<b>Monday, October 31, 2022</b>				
7:00 AM	8:30 AM	Breakfast		
<b>8:30 AM</b>	<b>10:00 AM</b>	<b>Invisible Physics for Neurosurgeons: Hydrocephalus and Epilepsy</b>	<b>Joseph</b>	<b>Madsen</b>
10:00 AM	10:30 AM	Coffee Break		
<b>10:30 AM</b>	<b>12:00 PM</b>	<b>Genetics of Cerebrovascular Diseases</b>	<b>Rose</b>	<b>Du</b>
12:00 PM	1:00 PM	Lunch		
<b>1:00 PM</b>	<b>2:30 PM</b>	<b>TBD</b>		
2:30 PM	3:00 PM	Coffee Break		
<b>3:00 PM</b>	<b>4:30 PM</b>	<b>Epilepsy</b>	<b>Emad</b>	<b>Eskandar</b>
6:00 PM	7:00 PM	Dinner		
<b>7:30 PM</b>	<b>9:00 PM</b>	<b>TBD</b>		
9:00 PM	11:00 PM	Mixer		

2022 RUNN Course Agenda  
 October 29 - November 5  
 Woods Hole, MA

<b>Tuesday, November 1, 2022</b>				
7:00 AM	8:30 AM	Breakfast		
<b>8:30 AM</b>	<b>10:00 AM</b>	<b>The SUR1-TRPM4 Channel - a Critical Player in CNS Ischemia and Trauma</b>	<b>Marc</b>	<b>Simard</b>
10:00 AM	10:30 AM	Coffee Break		
<b>10:30 AM</b>	<b>12:00 PM</b>	<b>PD-1 Cancer Immunotherapy</b>	<b>Gordon</b>	<b>Freeman</b>
12:00 PM	1:00 PM	Lunch		
<b>1:00 PM</b>	<b>2:30 PM</b>	<b>Gene Therapy for Neurological Disorders</b>	<b>David</b>	<b>Corey</b>
2:30 PM	3:00 PM	Coffee Break		
<b>3:00 PM</b>	<b>4:30 PM</b>	<b>Meningioma: Precision versus Accuracy</b>	<b>Linda</b>	<b>Bi</b>
6:00 PM	7:00 PM	Dinner		
<b>7:30 PM</b>	<b>9:00 PM</b>	<b>Functional Neurosurgical Approaches for Restoring Motor and Cognitive Function</b>	<b>Ziv</b>	<b>Williams</b>
<b>Wednesday, November 2, 2022</b>				
7:00 AM	8:30 AM	Breakfast		
<b>8:30 AM</b>	<b>10:00 AM</b>	<b>The Search for Truth in Spine Surgery: RCTs, Registries, and now AI</b>	<b>Zoher</b>	<b>Ghogawala</b>
10:00 AM	10:15 AM	Coffee Break		
<b>10:15 AM</b>	<b>11:30 AM</b>	<b>TBD</b>		
<b>11:30 AM</b>	<b>11:55 AM</b>	<b>Squid Lab Presentation and MBL Tours</b> <b>Bruce Anderson, Jim Galbraith</b>	<b>Bruce</b> <b>Jim</b>	<b>Andersen</b> <b>Galbraith</b>
11:55 AM	2:00 PM	Lunch		
<b>12:40 PM</b>	<b>6:45 PM</b>	<b>Squid Lab 160 Loeb &amp; Tour of the MBL/Aquarium</b> <b>Bruce Anderson, Jim Galbraith</b>		
6:00 PM	7:20 PM	Dinner		
7:30 PM	9:00 PM	<b>The Art and Science of Lesioning the Brain: From Lobotomies to Focused Ultrasound</b>	<b>Garth</b>	<b>Cosgrove</b>
<b>Thursday, November 3, 2022</b>				
7:00 AM	8:30 AM	Breakfast		
<b>8:30 AM</b>	<b>10:00 AM</b>	<b>TBD</b>		
10:00 AM	10:30 AM	Coffee Break		
<b>10:30 AM</b>	<b>12:00 PM</b>	<b>BrainGate: Clinical Trials in Intracortical Brain-Computer Interfaces for the Restoration of Communication and Mobility</b>	<b>Leigh</b>	<b>Hochberg</b>
12:00 PM	1:00 PM	Lunch		
<b>1:00 PM</b>	<b>2:30 PM</b>	<b>Imaging CNS Tracts for Intraoperative Planning</b>	<b>Alex</b>	<b>Golby</b>
2:30 PM	3:00 PM	Coffee Break		
<b>3:00 PM</b>	<b>4:30 PM</b>	<b>Inspiration and Neurosurgical Research - How to Start a Project, Grant or Paper</b>	<b>Robert</b>	<b>Dempsey</b>

2022 RUNN Course Agenda  
 October 29 - November 5  
 Woods Hole, MA

6:00 PM	7:00 PM	Dinner		
<b>7:30 PM</b>	<b>9:00 PM</b>	<b>High grade glioma invasion: Clues from the leading edge</b>	<b>James</b>	<b>Rutka</b>
9:00 PM	11:00 PM	Mixer		
<b>Friday, November 4, 2022</b>				
7:00 AM	8:30 AM	Breakfast		
<b>8:30 AM</b>	<b>10:00 AM</b>	<b>Peripheral Nerve Regeneration and Repair: Possibilities and Challenges</b>	<b>Rajiv</b>	<b>Midha</b>
10:00 AM	10:30 AM	Coffee Break		
<b>10:30 AM</b>	<b>12:00 PM</b>	<b>Spinal Cord Research</b>	<b>Daniel</b>	<b>Lu</b>
12:00 PM	1:00 PM	Lunch		
<b>1:00 PM</b>	<b>2:30 PM</b>	<b>Cyborgs IRL: Emerging Strategies and Applications for Neuromodulation</b>	<b>Wael</b>	<b>Asaad</b>
2:30 PM	3:00 PM	Coffee Break		
<b>3:00 PM</b>	<b>4:30 PM</b>	<b>Tools for Understanding and Repairing the Brain</b>	<b>Edward</b>	<b>Boyden</b>
5:00 PM	6:00 PM	Pre-Dinner Wine & Beer		
6:00 PM	9:00 PM	Dinner		
<b>Saturday, November 5, 2022</b>				
		Check Out by 10:00 am		