

Start Time	End Time	Title	Location	Speaker
Sunday, November 3, 2024				
4:00 PM	6:00 PM	Check-In Swope Hall	Swope Hall	
5:30 PM	7:00 PM	Dinner	Swope Dining Hall	
7:15 PM	7:30 PM	Welcome, Introduction, and Course Objectives	Lillie Laboratory: Clapp Auditorium	Gerald Grant
7:30 PM	8:15 PM	Neurosurgical Research in Parkinson's Disease	Lillie Laboratory: Clapp Auditorium	Aviva Abosch
8:15 PM	8:30 PM	Q&A	Lillie Laboratory: Clapp Auditorium	
8:30 PM	9:00 PM	Networking with Faculty - Small Group Discussion	Lillie Laboratory: Clapp Auditorium	
Monday, November 4, 2024				
7:00 AM	7:45 AM	Breakfast	Swope Dining Hall	
8:00 AM	8:45 AM	Science of Concussion	Lillie Laboratory: Clapp Auditorium	Gerald Grant
8:45 AM	9:00 AM	Q&A	Lillie Laboratory: Clapp Auditorium	
9:00 AM	9:45 AM	Observations: Progressive Microvascular Dysfunction following Stroke and the evolving landscape of clinical translation	Lillie Laboratory: Clapp Auditorium	E. Sander Connolly
9:45 AM	10:00 AM	Q&A	Lillie Laboratory: Clapp Auditorium	
10:00 AM	10:45 AM	Health Data Science: How to Leverage Data to Change Care	Lillie Laboratory: Clapp Auditorium	Timothy Smith
10:45 AM	11:00 AM	Q&A	Lillie Laboratory: Clapp Auditorium	
11:00 AM	11:30 AM	Networking with Faculty - Small Group Discussion	Lillie Laboratory: Clapp Auditorium	
11:30 AM	12:15 PM	Lunch	Swope Dining Hall	
12:30 PM	1:15 PM	Tools for Understanding and Repairing the Brain	Lillie Laboratory: Clapp Auditorium	Edward Boyden
1:15 PM	1:30 PM	Q&A	Lillie Laboratory: Clapp Auditorium	
1:30 PM	2:15 PM	Applying Physical and Data Science in Neurosurgical Oncology	Lillie Laboratory: Clapp Auditorium	Daniel Orringer
2:15 PM	2:30 PM	Q&A	Lillie Laboratory: Clapp Auditorium	
2:30 PM	2:45 PM	Coffee Break	Clapp Auditorium Lobby	
2:45 PM	3:30 PM	Cell Therapy in the CNS	Lillie Laboratory: Clapp Auditorium	Bob Carter
3:30 PM	3:45 PM	Q&A	Lillie Laboratory: Clapp Auditorium	
3:45 PM	4:30 PM	In Vivo Reprogramming of Astrocytes to Neurons for the Treatment of Stroke and TBI	Lillie Laboratory: Clapp Auditorium	Andrew Grande
4:30 PM	4:45 PM	Q&A	Lillie Laboratory: Clapp Auditorium	
4:45 PM	5:15 PM	Networking with Faculty - Small Group Discussion	Lillie Laboratory: Clapp Auditorium	
5:15 PM	6:30 PM	Dinner	Swope Dining Hall	
6:30 PM	8:30 PM	Mixer	Swope Center: Meigs Room	
Tuesday, November 5, 2024				
7:00 AM	7:45 AM	Breakfast	Swope Dining Hall	
8:00 AM	8:45 AM	The Art and Science of Lesioning the Brain: From Lobotomies to Focused Ultrasound	Lillie Laboratory: Clapp Auditorium	Robert Gross
8:45 AM	9:00 AM	Q&A	Lillie Laboratory: Clapp Auditorium	
9:00 AM	9:45 AM	Pharmacotherapeutic Targets for the Treatment of Cerebral Aneurysms	Lillie Laboratory: Clapp Auditorium	Brian Hoh
9:45 AM	10:00 AM	Q&A	Lillie Laboratory: Clapp Auditorium	
10:00 AM	10:45 AM	Neurosurgical Investigations of Human Visual Cortex	Lillie Laboratory: Clapp Auditorium	Daniel Yoshor
10:45 AM	11:00 AM	Q&A	Lillie Laboratory: Clapp Auditorium	
11:00 AM	11:30 AM	Networking with Faculty - Small Group Discussion	Lillie Laboratory: Clapp Auditorium	
11:30 AM	12:15 PM	Lunch	Swope Dining Hall	
12:30 PM	1:15 PM	Translational Multi-Omics of Pediatric Neurosurgical Disorders	Lillie Laboratory: Clapp Auditorium	Kristopher Kahle
1:15 PM	1:30 PM	Q&A	Lillie Laboratory: Clapp Auditorium	
1:30 PM	2:15 PM	BrainGate: Clinical Trials in Intracortical Brain-Computer Interfaces for the Restoration of Communication and Mobility	Lillie Laboratory: Clapp Auditorium	Leigh Hochberg
2:15 PM	2:30 PM	Q&A	Lillie Laboratory: Clapp Auditorium	
2:30 PM	2:45 PM	Coffee Break	Clapp Auditorium Lobby	
2:45 PM	3:30 PM	Brain Tumor Cell-Intrinsic and -Extrinsic Mechanisms	Lillie Laboratory: Clapp Auditorium	Albert Kim
3:30 PM	3:45 PM	Q&A	Lillie Laboratory: Clapp Auditorium	
3:45 PM	4:30 PM	The Search for Truth in Spine Surgery: RCTs, Registries, and now AI	Lillie Laboratory: Clapp Auditorium	Zoher Ghogawala
4:30 PM	4:45 PM	Q&A	Lillie Laboratory: Clapp Auditorium	
4:45 PM	5:15 PM	Networking with Faculty - Small Group Discussion	Lillie Laboratory: Clapp Auditorium	
5:15 PM	7:00 PM	Dinner	Swope Dining Hall	
Wednesday, November 6, 2024				
7:00 AM	8:00 AM	Breakfast	Swope Dining Hall	
8:15 AM	8:30 AM	**Group Photo: Wear your RUNN Course Hoodie	Lillie Laboratory	
8:30 AM	9:15 AM	Bringing your Research from the Lab to the Clinic	Lillie Laboratory: Clapp Auditorium	E. Antonio Chiocca
9:15 AM	9:30 AM	Q&A	Lillie Laboratory: Clapp Auditorium	

9:30 AM	10:15 AM	Academic Career in Global Health: Duke Division of Global Neurosurgery and Neurology	Lillie Laboratory: Clapp Auditorium	Michael Haglund
10:15 AM	10:30 AM	Q&A	Lillie Laboratory: Clapp Auditorium	
10:30 AM	11:00 AM	Networking with Faculty - Small Group Discussion	Lillie Laboratory: Clapp Auditorium	
11:00 AM	11:30 AM	Squid Lab Presentation	Lillie Laboratory: Clapp Auditorium	Bruce Andersen Jim Galbraith Robert Keating
11:30 AM	12:30 PM	Lunch	Swope Dining Hall	
12:30 PM	6:45 PM	Squid Lab 160 Loeb & Tour of the MBL/Aquarium Bruce Anderson, Jim Galbraith	Loeb Laboratory: Loeb 260	
5:00 PM	6:45 PM	Dinner	Swope Dining Hall	
7:00 PM	7:45 PM	Developing New Approaches to Brain Tumor Therapy	Lillie Laboratory: Clapp Auditorium	Henry Brem
7:45 PM	8:00 PM	Q&A	Lillie Laboratory: Clapp Auditorium	
8:00 PM	8:30 PM	Networking with Faculty - Small Group Discussion	Lillie Laboratory: Clapp Auditorium	
Thursday, November 7, 2024				
7:00 AM	7:45 AM	Breakfast	Swope Dining Hall	
8:00 AM	8:45 AM	The SUR1-TRPM4 Channel – Rationale for Clinical Trials	Lillie Laboratory: Clapp Auditorium	Marc Simard
8:45 AM	9:00 AM	Q&A	Lillie Laboratory: Clapp Auditorium	
9:00 AM	9:45 AM	Updates on the science and clinical treatment of brain metastases	Lillie Laboratory: Clapp Auditorium	Melanie Hayden-Gephart
9:45 AM	10:00 AM	Q&A	Lillie Laboratory: Clapp Auditorium	
10:00 AM	10:45 AM	Intraoperative Visualization and Therapy: Advancing a Career in Translational Neurosurgery	Lillie Laboratory: Clapp Auditorium	Costas Hadjipanayis
10:45 AM	11:00 AM	Q&A	Lillie Laboratory: Clapp Auditorium	
11:00 AM	11:30 AM	Networking with Faculty - Small Group Discussion	Lillie Laboratory: Clapp Auditorium	
11:30 AM	12:15 PM	Lunch	Swope Dining Hall	
12:30 PM	1:15 PM	Inspiration and Neurosurgical Research - How to Start a Project, Grant or Paper	Lillie Laboratory: Clapp Auditorium	Robert Dempsey
1:15 PM	1:30 PM	Q&A	Lillie Laboratory: Clapp Auditorium	
1:30 PM	2:15 PM	Surgical treatment principles and biology of spinal and sacral chordomas	Lillie Laboratory: Clapp Auditorium	Ziya Gokaslan
2:15 PM	2:30 PM	Q&A	Lillie Laboratory: Clapp Auditorium	
2:30 PM	2:45 PM	Coffee Break	Clapp Auditorium Lobby	
2:45 PM	3:30 PM	Industry Symposium: Integra LifeSciences: Minimally Invasive Intracerebral Hemorrhage Evacuation: Developing a Research Career with Industry	Lillie Laboratory: Clapp Auditorium	Christopher Kellner
3:30 PM	3:45 PM	Q&A	Lillie Laboratory: Clapp Auditorium	
3:45 PM	4:15 PM	Networking with Faculty - Small Group Discussion	Lillie Laboratory: Clapp Auditorium	
4:30 PM	5:30 PM	Pre-Dinner: Wine & Beer	Swope Center: Meigs Room	
5:30 PM	7:30 PM	Lobster Boil Dinner	Swope Dining Hall	
Friday, November 8, 2024				
		Check Out by 10:00 am		