

## FY2024 Brain Tumor Center Neuro-Oncology Trainee Scientific Symposium

Friday, September 13, 2024

via Zoom (All times are shown in Central Time)

8:00 am-8:15 am	<b>OPENING REMARKS</b>	<b>Vinay Puduvalli, MD and Trainee co-chairs</b> <i>BTC T32 Co-Leaders Jiasen He MD, Catherine Garcia MD, and Pushan Dasgupta MD PhD</i>
8:15 am-9:15 am	<b>KEYNOTE 1:</b> T2-FLAIR mismatch sign predicts DNA methylation subclass and CDKN2A/B status in IDH-mutant astrocytomas	<b>Rajan Jain, M.D.</b> Professor, Department of Radiology and Neurosurgery, NYU Grossman School of Medicine
9:15 am-10:30 am	<b>SCIENTIFIC SESSION I</b>	Moderator: Name, Ph.D., Dept
9:15 am-9:30 am	Dual p38MAPK and MEK inhibition disrupts adaptive chemoresistance in mesenchymal glioblastoma to temozolomide	<b>Hong Sheng Cheng, Ph.D.</b> <i>Postdoctoral fellow, Nanyang Technological University Singapore School of Biological Sciences</i>
9:30 am-9:45 am	<i>Integrative spatial analysis reveals a multi-layered organization of glioblastoma</i>	<b>Noam Galili, Ph.D.</b> <i>Postdoctoral fellow, Weizmann Institute of Science, Rehovot, Israel, Molecular Cell Biology</i>
9:45 am-10:00 am	<i>Pervasive structural heterogeneity rewires glioblastoma chromosomes to sustain patient-specific transcriptional programs</i>	<b>Ting Xie, Ph.D.</b> <i>Postdoctoral fellow, University Medical Center Göttingen, Göttingen, Germany, Pathology</i>
10:00 am-10:15 am	<i>Clinical trial links oncolytic immunoactivation to survival in glioblastoma</i>	<b>Alexander Lee Ling, Ph.D.</b> <i>Postdoctoral fellow, Brigham and Women's Hospital, Neurosurgery</i>
10:15 am-10:30 am	<i>Panel Question &amp; Answer</i>	
10:30 am-10:45 am	<b>COFFEE BREAK</b>	
10:45 am-11:45 am	<b>KEYNOTE 2:</b> RNA Aggregates Harness the Danger Response for Potent Cancer Immunotherapy	<b>Elias Seyour, MD, Ph.D.</b> <i>Associate Professor, University of Florida, Neurosurgery and Pediatrics</i>
11:45 am-12:45 pm	<b>LUNCH BREAK</b>	
12:45 pm-2:00 pm	<b>SCIENTIFIC SESSION II</b>	Moderator: Name, M.D., Dept
12:45 pm-1:00 pm	<i>A neurodevelopmental epigenetic programme mediated by SMARCD3–DAB1–Reelin signalling is hijacked to promote medulloblastoma metastasis</i>	<b>Han Zou, Ph.D.</b> <i>Medical student (University of Pittsburgh/UPMC Children's Hospital of Pittsburgh, Neurological Surgery)</i>

1:00 pm-1:15 pm	<i>Adaptive design of mRNA-loaded extracellular vesicles for targeted immunotherapy of cancer</i>	<b>Shiyan Dong, Ph.D.</b> <i>Postdoctoral fellow (MD Anderson Cancer Center, Radiation Oncology)</i>
1:15 pm-1:30 pm	<i>A prognostic neural epigenetic signature in high-grade glioma</i>	<b>Richard Drexler, MD, Ph.D.</b> <i>Postdoctoral fellow (Stanford, Neurology)</i>
1:30 pm-1:45 pm	Automated segmentation of ablated lesions using deep convolutional neural networks: A basis for response assessment following laser interstitial thermal therapy	<b>Aden P Haskell-Mendoza, MD</b> <i>Medical student (Duke University Medical Center, Neurosurgery)</i>
1:45 pm-2:00 pm	<i>A multi-reader comparison of normal-appearing white matter normalization techniques for perfusion and diffusion MRI in brain tumors</i>	<b>Nicholas S. Cho, Ph.D.</b> <i>MD-Ph.D. student (UCLA-Caltech, Bioengineering)</i>
2:00 pm-2:15 pm	<i>Panel Question &amp; Answer</i>	
<b>2:15 pm-2:55 pm</b>	<b>Transition to Faculty Panel</b>	<b>Peter Kamel, MD</b> (U of Maryland, Diagnostic Radiology & Nuclear Medicine) <b>Yuan Pan, Ph.D.</b> (MD Anderson, Symptoms Research) <b>Chirag Patel, MD, Ph.D.</b> (MD Anderson, Neuro-Oncology)
<b>2:55 pm-3:00 pm</b>	<b>CLOSING REMARKS</b>	<b>Frederick Lang, M.D.</b> <i>BTC T32 Co-Leaders</i>