

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	OPENING REMARKS	Vinay Puduvalli, M.D. and Trainee co-chairs <i>BTC T32 Co-Leaders Jiasen He M.D., Catherine Garcia M.D., and Pushan Dasgupta M.D. Ph.D.</i>
8:15 am-9:15 am	KEYNOTE 1: <i>Importance of imaging, age & clinical presentation in predicting genomic markers in adult gliomas</i>	Rajan Jain, M.D. <i>Professor (Department of Radiology and Neurosurgery, NYU Grossman School of Medicine)</i>
9:15 am-10:30 am	SCIENTIFIC SESSION I	
9:15 am-9:30 am	<i>Dual p38MAPK and MEK inhibition disrupts adaptive chemoresistance in mesenchymal glioblastoma to temozolomide</i>	Hong Sheng Cheng, Ph.D. <i>Postdoctoral fellow (Lee Kong Chian School of Medicine, Nanyang Technological University Singapore)</i>
9:30 am-9:45 am	<i>Integrative spatial analysis reveals a multi-layered organization of glioblastoma</i>	Noam Galili Darnell <i>Ph.D. Student (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>	Ting Xie, Ph.D. <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>	Alexander Lee Ling, Ph.D. <i>Postdoctoral fellow (Brigham and Women's Hospital, Neurosurgery)</i>
10:15 am-10:30 am	<i>Panel Question & Answer</i>	
10:30 am-11:30 am	KEYNOTE 2: <i>RNA Aggregates Harness the Danger Response for Potent Cancer Immunotherapy</i>	Elias Sayour, M.D., Ph.D. <i>Associate Professor (University of Florida, Neurosurgery and Pediatrics)</i>
11:30 am-12:45 pm	LUNCH BREAK	
12:45 pm-2:15 pm	SCIENTIFIC SESSION II	
12:45 pm-1:00 pm	<i>A neurodevelopmental epigenetic programme mediated by SMARCD3–DAB1–Reelin signalling is hijacked to promote medulloblastoma metastasis</i>	Han Zou, Ph.D. <i>Postdoctoral fellow (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>	Shiyan Dong, Ph.D. <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>	Richard Drexler, M.D., Ph.D. <i>Postdoctoral fellow (Stanford, Neurology)</i>
1:30 pm-1:45 pm	<i>Automated segmentation of ablated lesions: A basis for response assessment following laser interstitial thermal therapy</i>	Aden P. Haskell-Mendoza, M.S. <i>4th-year Medical Student (Duke University Medical Center, Neurosurgery)</i>
1:45 pm-2:00 pm	<i>Digital “flipbooks” for enhanced visual assessment of simple and complex brain tumors</i>	Nicholas S. Cho, Ph.D. <i>MD-Ph.D. student (UCLA-Caltech, Bioengineering)</i>
2:00 pm-2:15 pm	<i>Panel Question & Answer</i>	
2:15 pm-2:55 pm	TRANSITION TO FACULTY PANEL	Peter Kamel, M.D. <i>Assistant Professor (U of Maryland, Diagnostic Radiology & Nuclear Medicine)</i> Yuan Pan, Ph.D. <i>Assistant Professor (MD Anderson, Symptoms Research)</i> Chirag Patel, M.D., Ph.D. <i>Assistant Professor (MD Anderson, Neuro-Oncology)</i> Kathryn Taylor, M.D., Ph.D. <i>Instructor (Stanford University, Neurology)</i>
2:55 pm-3:00 pm	CLOSING REMARKS	Frederick Lang, M.D. <i>BTC T32 Co-Leaders</i>