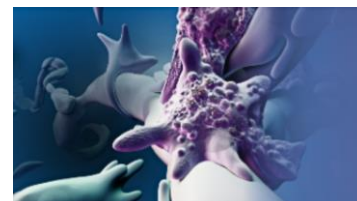


# Cancer Neuroscience Symposium

Complete Agenda | Feb. 29 - March 1

WILEY

ADVANCED  
BIOLOGY



**Session 1: Neural-Driven Cancer Progression**  
**Moderator: Moran Amit, M.D., Ph.D.**

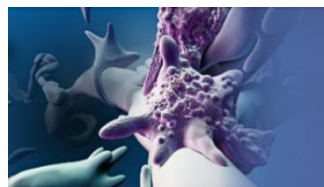
Time	Session	Speakers	Affiliation(s)
8:00-8:15 a.m.	Opening Remarks	Moran Amit, M.D., Ph.D. Frederick Lang, M.D.	The UT MD Anderson Cancer Center
8:15-9:00 a.m.	Neuronal Activity Drives Brain Cancer Growth and Progression	Michelle Monje-Deisseroth, M.D., Ph.D.	Stanford University
9:00-9:10 a.m.	Q&A	Moran Amit, M.D., Ph.D.	The UT MD Anderson Cancer Center
9:10-9:30 a.m.	Adrenergic Modulation of Immune Cells in the TME	Elizabeth A. Repasky, Ph.D.	Roswell Park Comprehensive Cancer Center
9:30-9:50 a.m.	Neuro-Cancer Networks Control Brain Tumors	Frank Winkler, M.D., Ph.D.	University of Heidelberg
9:50-10:00 a.m.	Q&A	Moran Amit, M.D., Ph.D.	The UT MD Anderson Cancer Center

**10:00-10:30 a.m. | BREAK**

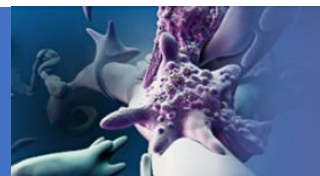
**Session 2: Aging, Neurodegeneration, and Cancer**  
**Moderator: Monty Montano, Ph.D.**

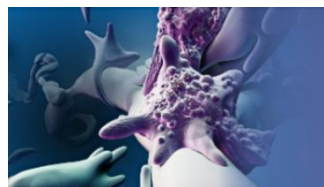
Time	Session	Speakers	Affiliation(s)
10:30-10:55 a.m.	How can we discover and define reactive astrocytes across disease?	Shane Liddelow, Ph.D.	New York University Langone Health
10:55-11:20 a.m.	Mechanisms of Neurodegeneration Following Cancer-Directed Therapy	Jorg Dietrich, M.D., Ph.D.	Harvard University
11:20-11:45 a.m.	Decoding the Language of Brain Tumor and Neuron Communication	Ben Deneen, Ph.D.	Baylor College of Medicine





Time	Session	Speakers	Affiliation(s)
11:45-12:10 p.m.	Aging, Immunotherapy, and Glioblastoma in Adults: Targeting the Clock to Improve Survival	Derek Wainwright, Ph.D.	Loyola University Chicago
12:10-12:30 p.m.	Q&A	Monty Montano, Ph.D.	Harvard University
<b>12:30-1:15 p.m.   Lunch Break &amp; Poster Sessions</b>			
<b>Session 3: Neural Tumor Microenvironment, Career Development, Publishing, &amp; Awards</b> <b>Moderator: Moran Amit, M.D., Ph.D.</b>			
Time	Session	Speakers	Affiliation(s)
1:15-1:45 p.m.	The Neuroepithelial Story in Host Dependent Cancers	Gustavo Ayala, Ph.D.	UT Health Houston
1:45-2:15 p.m.	Transcriptomic Analysis of Sensory Neurons in Health and Disease	Brian Davis, Ph.D.	University of Pittsburgh
2:15-2:30 p.m.	Q&A	Moran Amit, M.D., Ph.D.	The UT MD Anderson Cancer Center
2:30-3:15 p.m.	Career Development: Personal Branding ***	AJ Hinton, Ph.D. ***	Vanderbilt University ***
	Career Development: Strategizing your Path to Success	Brandi Mattson, Ph.D.	The UT MD Anderson Cancer Center
3:15-3:45 p.m.	Meet the Editor - Cell	Jia Cheng, Ph.D.	Cell Press
3:45-4:00 p.m.	Best Abstract Awards	Monty Montano, Ph.D.	Harvard University





Time	Session	Speakers	Affiliation(s)
4:00-4:07 p.m.	Late Breaking Abstract 1	Annabel Manoleras, Ph.D.	Monash University
4:07-4:14 p.m.	Late Breaking Abstract 2	Gustavo Cruzeiro, Ph.D.	Dana Farber Cancer Center
4:14-4:21 p.m.	Late Breaking Abstract 3	Zoey Wang, Ph.D.	University of Toronto
4:21-4:28 p.m.	Late Breaking Abstract 4	Andy Daniel, Ph.D.	University of California San Francisco
4:30-4:50 p.m.	Capture the Nature Editor	Barbara Marte, Ph.D.	Nature Publishing
4:50-5:00 p.m.	Q&A	Moran Amit, M.D., Ph.D.	The UT MD Anderson Cancer Center
<b>5:00-6:00 p.m.   Poster Reception</b>			
<b>End Day 1</b>			





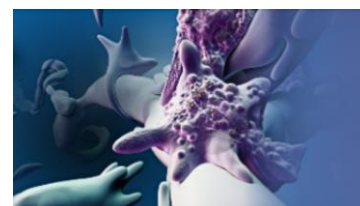
# Cancer Neuroscience Symposium

CNS Breakout, Day 2 | March 1

WILEY

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BIOLOGY

**Friday, March 1, 2024**  
**Day 2: Cancer Neuroscience Symposium**  
**Central Nervous System**  
**Breakout Session**



**Day 2 Posters: Onstead Auditorium**

**7:30-8 a.m. | Gathering & Registration**

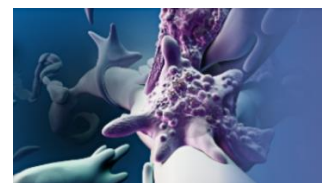
**Session 1: Neuronal Regulation of Primary CNS Cancer**  
**Moderator: Vinay Puduvalli, M.D.**

Time	Session	Speakers	Affiliation(s)
8:00-8:05 a.m.	Opening Remarks	Vinay Puduvalli, M.D.	The UT MD Anderson Cancer Center
8:05-8:20 a.m.	Neuronal Mechanisms of Brain Tumor Networks	Varun Venkataramani, M.D., Ph.D.	University of Heidelberg
8:20-8:35 a.m.	Neuronal Regulation of Gliomagenesis in NF1	David H. Gutmann, M.D., Ph.D.	Washington University School of Medicine
8:40-8:55 a.m.	Glioma Synapses Recruit Mechanisms of Adaptive Plasticity	Kathryn Taylor, Ph.D.	Stanford University
8:55-9:10 a.m.	Q&A	Vinay Puduvalli, M.D.	The UT MD Anderson Cancer Center

**Session 2: Neuronal Regulation of CNS Metastasis**  
**Moderator: Yuan Pan, Ph.D.**

Time	Session	Speakers	Affiliation(s)
9:10-9:25 a.m.	Cancer Cell Metabolic Adaptations to the Leptomeningeal Space	Adrienne Boire, M.D., Ph.D.	Memorial Sloan Kettering Cancer Center
9:25-9:40 a.m.	The Neural Regulation of Small Cell Lung Cancer Progression	Humsa Venkatesh, Ph.D.	Harvard Medical School
9:40-9:55 a.m.	Dissecting the pathophysiology underlying the impact of brain metastasis on neuronal communication	Manuel Valiente, DVM, Ph.D.	CNIO
9:55-10:10 a.m.	Q&A	Yuan Pan, Ph.D.	The UT MD Anderson Cancer Center





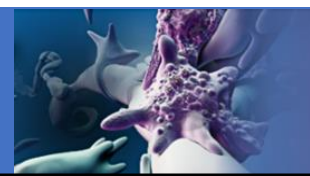
**10:10-10:30 a.m. | COFFE BREAK**

**Session 3: Influence of CNS Cancer on Neuronal Activity**  
**Moderator: Vinay Puduvalli, M.D.**

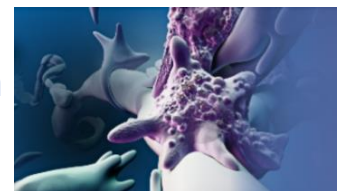
Time	Session	Speakers	Affiliation(s)
10:30-10:45 a.m.	Diffuse Gliomas Remodeling of Neural Circuits in the Human Brain	Shawn Hervey-Jumper, M.D.	University of California, San Francisco
10:45-11:00 a.m.	Neural-Immune Interactions in Cancer Therapy-Related Cognitive Impairment	Michelle Monje-Deisseroth, M.D., Ph.D.	Stanford University
11:00-11:15 a.m.	Peritumoral Hyperexcitability in Pediatric Glioma	Susan Campbell, Ph.D.	University of Alabama at Birmingham
11:15-11:30 a.m.	Q&A	Vinay Puduvalli, M.D.	The UT MD Anderson Cancer Center

**Session 4: Cancer Therapy Induced CNS Impairments**  
**Moderator: Yuan Pan, Ph.D.**

Time	Session	Speakers	Affiliation(s)
11:30-11:45 a.m.	Glia-Mediated Mechanisms of Chemotherapy- Induced Neurological Dysfunction	Erin Gibson, Ph.D.	Stanford University
11:45-12:00 p.m.	Astrocytic basis for cranial radiation- induced brain injury	Munjal Acharya, Ph.D.	University of California, Irvine



**Friday, March 1, 2024**  
**Day 2: Cancer Neuroscience Symposium**  
**Central Nervous System**  
**Breakout Session**



12:00-12:15 p.m.	Using Network Neuroscience to Understand the Brain Basis of Cognitive Late Effects in Paediatric Brain Tumours	Donald Mabbott, Ph.D.	The Hospital for Sick Children (SickKids)
12:15-12:30 p.m.	Q&A	Yuan Pan, Ph.D.	The UT MD Anderson Cancer Center
12:30-1:30 p.m.   Lunch Break & Poster Sessions			
<b>Session 5: Modelling Brain Tumor and TME Interactions</b> <b>Moderator: Vinay Puduvalli, M.D.</b>			
Time	Session	Speakers	Affiliation(s)
1:30-1:45 p.m.	Investigating Cellular Crosstalk in the Tumor Microenvironment Using Mosaic Models	Joshua Breunig, Ph.D.	Cedars-Sinai Medical Center
1:45-2:00 p.m.	Powerful Role of Cell-Cell Relationships in Brain Tumors	Hui Zong, Ph.D.	University of Virginia
2:00-2:15 p.m.	Myeloid Heterogeneity and Function in Glioblastoma	Dolores Hambardzumyan, Ph.D.	Icahn School of Medicine at Mt. Sinai
2:15-2:30 p.m.	Q&A	Vinay Puduvalli, M.D.	The UT MD Anderson Cancer Center
2:30-2:45 p.m.	Closing Remarks	Vinay Puduvalli, M.D. Jian Hu, M.D.	The UT MD Anderson Cancer Center
<b>End Day 2   Thank You for Attending the 2024 Cancer Neuroscience Symposium!</b>			





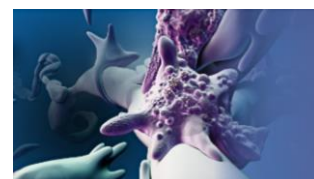
# Cancer Neuroscience Symposium

PNS Breakout, Day 2 | March 1

WILEY

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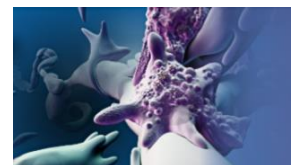
**Friday, March 1, 2024**  
**Day 2: Cancer Neuroscience Symposium**  
**Peripheral Nervous System**  
**Breakout Session**



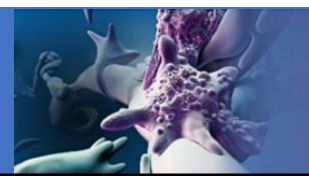
Day 2 Posters: Hickey Auditorium			
7:30-8 a.m.   Gathering & Registration			
Session 1: Neural-Tumor Crosstalk Moderator: Moran Amit, M.D., Ph.D.			
Time	Session	Speakers	Affiliation(s)
8:00-8:15 a.m.	Opening Remarks	Moran Amit, M.D., Ph.D.	The UT MD Anderson Cancer Center
8:15-8:40 a.m.	Tumor-Nerve Interactions in Pancreatic Ductaladenocarcinoma: Mechanistic Insights and Relation to Pain	Rohini Kuner, Ph.D.	University of Heidelberg
8:40-9:05 a.m.	The Cancer-Brain Circuit and it's Influence on Behavior	Paola Vermeer, Ph.D.	Sanford Research
9:05-9:30 a.m.	Spatial Examination of Pancreatic Cancer Innervation at Single-Cell Resolution	William L. Hwang, M.D., Ph.D.	Massachusetts General Hospital
9:30-9:50 a.m.	Q&A	Moran Amit, M.D., Ph.D.	The UT MD Anderson Cancer Center
9:50-10:15 a.m.   COFFE BREAK			
Session 2: Cancer-Associated Neuroplasticity and Neuroimmunology Nicole Scheff, Ph.D. William L. Hwang, M.D., Ph.D.			
Time	Session	Speakers	Affiliation(s)
10:15-10:40 a.m.	Modes of Neuroimmune Regulation of Melanoma	Yuri Bunimovich, M.D., Ph.D.	University of Pittsburgh
10:40-11:05 a.m.	Nociceptor Neurons Control Anti-Tumor Immunity	Sébastien Talbot, Ph.D.	Queen's University; Karolinska Institutet
11:05-11:25 a.m.	Q&A	Nicole Scheff, Ph.D.	University of Pittsburgh



**Friday, March 1, 2024**  
**Day 2: Cancer Neuroscience Symposium**  
**Peripheral Nervous System**  
**Breakout Session**



Time	Session	Speakers	Affiliation(s)
11:30-11:55 a.m.	Sensory Neuron Regulation of PDAC Immune Responses	Jami Saloman, Ph.D.	University of Pittsburgh
11:55-12:20 p.m.	Mechanisms of Neural Plasticity in the Development of Pancreatic Cancer	Fanny Mann, Ph.D.	Institute of Developmental Biology of Marseilles (IBDM UMR 7288) - France
12:20-12:30 p.m.	Q&A	William L. Hwang, M.D., Ph.D.	Massachusetts General Hospital
<b>12:30-1:30 p.m.   Lunch Break &amp; Poster Sessions</b>			
<b>Session 3: Nerves and the Tumor Microenvironment</b> <b>Ekin Demir, M.D., Ph.D.</b> <b>Nisha D'Silva, B.D.S., M.S.D., Ph.D.</b>			
Time	Session	Speakers	Affiliation(s)
1:30-1:55 p.m.	Cancer's Got Some Nerve: Insights Into Perineural Invasion	Richard Wong, M.D.	Memorial Sloan Kettering Cancer Center
1:55-2:20 p.m.	Sensory Innervation Directly Promotes Gastric Cancer and Modulates the Tumor Microenvironment	Timothy C. Wang, M.D.	Columbia University
2:20-2:35 p.m.	Q&A	Ekin Demir, M.D., Ph.D.	Technical University of Munich, Germany
2:35-3:00 p.m.	Using HPSC-Derived Organoid Models to Study the Impact of Cancer and Cancer Therapies on the Peripheral Nervous System	Faranak Fattahi, Ph.D.	University of California, San Francisco
3:00-3:25 p.m.	Cholinergic Modulation of the Anti-Tumor Immune Response	Ruth White, M.D., Ph.D.	Columbia University
3:25-3:45 p.m.	Crosstalk between sensory nerves and tumor cells drives breast cancer metastasis	Madeleine Oudin, Ph.D.	Tufts University

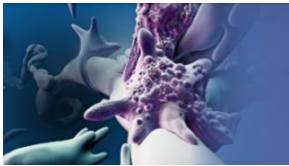


Friday, March 1, 2024

Day 2: Cancer Neuroscience Symposium

Peripheral Nervous System

Breakout Session



3:45-4:05 p.m.	Q&A	Nisha D'Silva, B.D.S., M.S.D., Ph.D.	University of Michigan School of Medicine
4:05-4:25 p.m.	Closing Remarks	Moran Amit, M.D., Ph.D.  Monty Montano, Ph.D.	The UT MD Anderson Cancer Center  Wiley; Harvard University
End Day 2   Thank You for Attending the 2024 Cancer Neuroscience Symposium!			

