

Theme	Session Title	Presentation No.	Abstract No.	Lecture title	Speaker	Country
Field-oriented Sessions	Tumor biology	TUM-P-01	TBIO-15	Modeling developmental gene expression dynamics at cellular resolution to interpret pediatric brain tumor transcriptional programs	Selin Jessa	Canada
		TUM-P-02	TBIO-01	Sex differences in redox state underlie glutamine dependency in male glioblastoma	Jasmin Sponagel	USA
		TUM-P-03	TBIO-19	Integrated genomic, proteomic and phosphoproteomic analysis of seven types of pediatric brain cancer	Brian Rood	USA
		TUM-P-05	TBIO-07	Single-cell transcriptomic profile reveals macrophage heterogeneity in sonic-hedgehog medulloblastoma and their distinct responses to different treatment modalities	Mai Dang	USA
		TUM-P-06	TBIO-03	The Gift from a Child program is empowering post-mortem tissue donation across the United States	Angela Waanders	USA
		TUM-P-07	TBIO-09	In silicoanalysis identifies a putative cell-of-origin for BRAFfusion-positive cerebellar pilocytic astrocytoma	Subhi Talal Younes	USA
		TUM-P-08	TBIO-12	The spectrum of mitochondrial DNA (mtDNA) mutations in pediatric central nervous system (CNS) tumors	Kristiyana Kaneva	USA
		TUM-P-09	TBIO-16	NOTCH1 pathway as target for drug intervention for histone 3 G34R mutated pHGG	Farhana Haque	UK
		TUM-P-10	TBIO-26	Non-canonical open reading frames encode functional proteins essential for cancer cell survival	John Prensner	USA
		TUM-P-11	TBIO-06	BDNF-TrkB signaling regulates neuron-glioma synaptogenesis and promotes tumor progression	Kathryn Taylor	USA
		TUM-P-12	TBIO-11	Deep learning-based single-cell RNA sequencing differentiation identifies simple and complex transcriptional networks for subpopulation classification	Eric Prince	USA
		TUM-P-13	TBIO-05	Genome-scale nucleotide-specific characterization of 5-hydroxymethylcytosine in pediatric central nervous system tumors	Nasim Azizgolshani	USA
		TUM-P-14	TBIO-08	Base-resolution methylomes of gliomas bearing histone H3.3 mutations reveal a G34 mutant-specific signature shared with bone tumors	Yuhei Sangatsuda	Japan
		TUM-P-15	TBIO-27	Rasopathies and brain tumorigenesis: Are SOS1 mutations are concerned?	Nouha Bouayed Abdelmoula	Tunisia
		TUM-P-17	TBIO-21	Lnc-TALC promotes O6-methylguanine-DNA methyltransferase expression via regulating the c-Met pathway by competitively binding with miR-20b-3p	Qun Chen	China
		TUM-P-18	TBIO-24	Using molecular guided therapy in pediatric neuro oncology patients: The success and barriers	Beth Armstrong	USA
		TUM-P-19	TBIO-14	Characterisation of the arginine pathway enzymes in paediatric brain tumours to determine susceptibility to therapeutic arginine depletion	Madhumita Dandapani	UK
		TUM-P-20	TBIO-17	Integrative analyses of BRAFv600e mutated gliomas: from molecular biology to radiology and treatments	Natacha Entz-Werlé	France
		TUM-P-21	TBIO-13	Use of next generation sequencing to identify novel drivers of cryptic, clinically aggressive brain tumors	Amanda Boudreaux	USA