SNO-EANO
Basic and Translational
Brain Tumor Research Dinner Meeting

Wednesday, November 20, 2019
6:30pm – 10:00pm
JW Marriott Desert Ridge Hotel Phoenix, Arizona

PRELIMINARY PROGRAM

6:30pm – 7:25pm	**BUFFET DINNER AND POSTER VIEWING**	
7:25pm – 7:30pm	Welcome and Introduction	Roger Abounader, Shwetal Mehta, Michael Platten, Chairs
SESSION 1 TUMOR MICROENVIRONMENT, ANGIOGENESIS AND EPIGENETICS		
7:30pm – 7:40pm	SOX2-mediated 5hmC dysregulation in GBM cells	Hernando Lopez-Bertoni
7:40pm – 7:50pm	S100A4 is a key driver of immune suppressive microenvironment in GBM	Jian-Shiun Leu
7:50pm – 8:00pm	Clock drives GSC self renewal and microglia recruitment in GBM	Y. Alan Wang
8:00pm – 8:10pm	Symbiotic macrophage-glioma cell interactions reveal synthetic lethality in PTEN null glioma	Peiwen Chen
8:10pm – 8:20pm	Molecular mechanisms regulating Stearoyl Co-A Desaturase inhibitor sensitivity and resistance in glioblastoma	Biplab Dasgupta
SESSION 2 IMMUNOTHERAPY		
8:20pm – 8:30pm	Single cell systems neuroimmunology reveals immunosuppressive correlates with ventricular stem cell niche contact in human glioblastoma	Todd Bartkowiak
8:30pm – 8:40pm	Integration of multimodal immunotherapy as part of first line treatment for patients with primary GBM	Stefaan Van Gool
8:40pm – 8:50pm	Yap1 function in sex-biased medulloblastoma formation and anti-tumor immunity	Nourhan Abdelfattah
SESSION 3 CANCER STEM CELLS, METABOLISM AND HETEROGENEITY; CNS METASTASES		
8:50pm – 9:00pm	High risk glioblastoma cells identified by mass cytometry and novel computational analysis	Rebecca Ihrie
9:00pm – 9:10pm	The 3D evolution of glioma cell populations	Stephanie Hilz
9:10pm – 9:20pm	Distinct but predictable mechanisms drive genetic vs. epigenetic resistance to targeted therapy	Kyuson Yun

9:20pm – 9:30m	Improved drug delivery to melanoma brain metastasis by peptide-mediated permeabilization of the blood-brain barrier	Frits Thorsen
SESSION 4 NOVEL AGENTS AND TRANSLATIONAL APPROACHES		
9:30pm – 9:40pm	PPM1D mutations silence NAPRT gene expression and confer exquisite NAMPT inhibitor sensitivity in glioma	Ranjit Bindra
9:40pm – 9:50pm	Selective targeting of dopamine receptor dysregulation in high grade glioma with ONC201	Varun Vijay Prabhu
9:50pm – 10:00pm	Tumor Treating Fields increase membrane permeability of glioblastoma cells	Edwin Chang
10:00pm	Wrap up and Adjourn	

POSTER PRESENTATIONS

IMMUNOTHERAPY		
#	**TITLE**	**PRESENTER**
01	Promoting anti-glioblastoma immunity via leukocyte-endothelial/cancer cell crosslinking	Benjamin Purow
02	One-Health tumor model and preliminary report of a phase 1 immunovirotherapy trial of IL-12 expressing HSV-1 (M032) in pet dogs with spontaneous high grade gliomas	D. Mitchell Self, II
03	Non-enzymatic function of IDO1 in glioblastoma immunosuppression	Lijie Zhai
04	Aging, immunosuppression, and malignant glioma	Erik Ladomersky
05	Kick-starting the cancer immunity cycle to target malignant brain tumors	Siddhartha Mitra
CNS METASTASES		
06	Shifting treatment paradigms for metastatic melanoma with sequential administration of radiation and immunotherapy and the repurposing of benzodiazepines	Soma Sengupta
07	Tissue factor signaling enhances metastatic brain cancer malignancy	Dusten Unruh
TUMOR MICROENVIRONMENT, ANGIOGENESIS AND EPIGENETICS		
09	Interaction between cytoskeleton proteins and tumor microenvironment in determining glioblastoma growth and angiogenesis	Gilberto KK Leung
10	Angiotensinogen promoter methylation predicts bevacizumab response in glioblastoma patients	Thomas Urup
11	GBP1 recruits macrophages to promote glioblastoma growth	Ming Li
12	Who, what, when to treat brain cancer?	Kelly McKelvey
CANCER STEM CELLS, METABOLISM AND HETEROGENEITY		
13	Integrative transcriptome analysis reveals deterministic transcription factors for GBM invasion	Seok-Gu Kang
14	High mitochondrial DNA copy number is associated with longer survival in young patients with glioblastoma	Audrey Rousseau

15	Sex differences in metabolism reveal a unique role for glutamine in male glioblastoma	Jasmin Sponagel
16	Single cells transcriptome - what is missing?	Agnieszka Bronisz
17	Tissue factor signaling in glioblastoma tumor-initiating cells	Anh Tran
18	Radiation-induced phenotypic plasticity in classical glioma stem cells	Costanza Lo Cascio
PEDIATRIC TUMORS		
19	Noncoding RNAs as novel classifiers for medulloblastoma subgrouping	Ranjan Perera
20	Sonic Hedgehog signaling primes cerebellar granule neuron progenitors and medulloblastoma cells for apoptosis by inducing pro-apoptotic BIM	Abigail Cleveland
21	Inhibition of the mTOR and MAPK pathways with TAK228 and trametinib in pLGG	Antje Arnold
NOVEL AGENTS AND TRANSLATIONAL APPROACHES		
23	Nanoparticle delivery of miRNAs to inhibit GBM stem cells	Hernando Lopez-Bertoni
24	Blockade of NRF2/glutathione metabolism as a synthetic lethality approach for IDH1-mutated glioma	Chunzhang Yang
25	MGMT promoter methylation in newly diagnosed LGG as a potential biomarker for TMZ-associated hypermutation at recurrence	Radhika Mathur
26	Interaction between DNA repair and TGFbeta competency in glioblastoma	Mary Helen Barcellos-Hoff
27	Triptolide, a novel therapeutic agent for IDH-1-mutated glioma	Yang Liu
28	Medulloblastomas respond to CDK4/6 inhibition via nanoparticle-delivered palbociclib with altered S-phase progression	Taylor Dismuke
29	Targeting autophagy in treatment of glioblastoma	Venkata Mahidhar Yenugonda
30	MLH1 promoter methylation as a biomarker for temozolomide sensitizability in MGMT-unmethylated glioblastoma	Raymund Yong
31	Betulinic acid suppresses glioblastoma cells growth through inhibition of unfolded protein response	Wei-Lun Lo
OTHER		
32	Sarcopenia accurately predicts 30d morbidity & 30d, 90d, and overall mortality in glioblastoma	Hesham Zakaria
33	Integrated multi-scale model for clinical outcome prediction of glioma	Olivier Gevaert
34	Long non-coding RNAs in glioblastoma tumor recurrence and therapy resistance	Christian Stackhouse
35	EGFR inhibition downregulates MGMT and sensitizes GBM cells to TMZ	Amyn Habib
36	Pathogenic roles and therapeutic opportunity of MTAP loss in GBMs	Yiping He
37	Globin reduction increases the detective sensitivity of differential expressed genes in whole blood of glioblastoma patients	Ekokobe Fonkem
38	Identifying potential genes and mechanisms driving IDH-mutant glioma progression through RNA-sequencing	Angela Cho