



## EDUCATION DAY PRELIMINARY PROGRAM

**Khalid Shah, MS, PhD; Albert Kim, MD, PhD**  
**Susan Bell, APN, MS; Robert Cavaliere, MD**  
**Scientific Program Co-Chairs**

8:00-8:10	Welcome and Introduction	
<b>MORNING PLENARY SESSION</b>		
8:10-8:40	<i>Keynote Presentation:</i> Emerging principles of therapeutic resistance in cancer	Trever Bivona
8:40-9:10	<i>Keynote Presentation:</i> Integrative cancer care	Donald I Abrams
9:10-9:30	BREAK	
<b>CONCURRENT BREAKOUT SESSION TUMOR BIOLOGY AND THERAPY</b>		
<b>Biology of Resistance Khalid Shah and Albert Kim, Moderators</b>		
9:30-9:55	Intrinsic vs acquired resistance in cancer	Maurizio Scaltriti
9:55-10:20	Subclonal architecture and therapeutic implications in glioblastoma	Albert Kim
10:20-10:45	The impact of tumor metabolic reprogramming on therapeutic resistance	Paul Mischel
10:45-11:10	Immune resistance and suppression mechanisms in brain tumors	Gavin Dunn
11:10-11:35	Role of macrophages and microglia in tumor progression	David Gutmann
11:35-12:35	LUNCH	
<b>Therapy-specific resistance mechanisms Khalid Shah and Albert Kim, Moderators</b>		
12:35-13:00	Understanding TMZ resistance and advancing strategies for sensitization in glioblastoma	Jann Sarkaria
13:00-13:25	Chemo-resistance driven by the vascular niche in cancer	Shahin Rafii
13:25-13:50	Principles and emerging concepts in glioblastoma radioresistance	Erik Sulman
13:50-14:15	Molecular mechanisms of resistance to immune checkpoint inhibitors	Roger Lo
14:15-14:40	Overcoming tumor resistance via engineering novel biological therapies	Khalid Shah
14:40-15:00	BREAK	

**CONCURRENT BREAKOUT SESSION  
PRACTICAL AND APPLIED NEURO-ONCOLOGY**

**Survivorship and Measuring Outcomes  
Susan Bell, Robert Cavaliere, Moderators**

9:30-9:55	Survivorship and brain tumors: wishful thinking or a daily reality?	Robert Cavaliere
9:55-10:20	Application and interpretation of patient reported outcomes in clinical research	Jeff A. Sloan
10:20-10:45	SISAQOL initiative in neuro-oncology	Martin Taphoorn
10:45-11:10	Development and implementation of neuro- oncology survivorship care plans	Heather Leeper
11:10-11:35	Quality of life issues in meningioma patients	Linda Dirven
11:35-12:35	LUNCH	

**Mitigating Effects of Treatment and Disease  
Susan Bell, Robert Cavaliere, Moderators**

12:35-13:00	Ketogenic diet in the management of brain tumors	Adrienne Scheck
13:00-13:25	Nutrition for cancer patients	Leonora Renda
13:25-13:50	Hearing preservation and sodium thiosulfate in pediatrics	Susan Lindemulder
13:50-14:15	Sleep and wake disturbances, fatigue and insomnia in cancer patients	Ann Berger
14:15-14:40	Practitioner wellness	Suzanne Kisylia
14:40-15:00	BREAK	

**AFTERNOON PLENARY SESSION**

15:00-15:30	<i>Keynote Presentation:</i> Impact of self-reported outcomes of survivors with childhood cancer on early disease detection and COG guidelines	Gregory Armstrong
15:30-16:00	<i>Keynote Presentation:</i> Different facets of resistance and their implications on the future of neuro-oncology	E. Antonio Chiocca
16:00-16:30	Panel Discussion: Therapy resistance	Trever Bivona, Paul Mischel, Jann Sarkaria, Maurizio Scaltriti
16:30-17:00	Panel Discussion: Burnout in neuro-oncology practitioners	Terri Armstrong, Barbara O'Brien, Shlomit Yust-Katz, Alvina Acquaye
17:00	ADJOURN	