2018 Brain SPORE/PSON Retreat
The Ritz-Carlton, Amelia Island
January 28-30, 2018

Co-chairs:
Jann Sarkaria, MD
Brian O'Neill, MD
Steven Rosenfeld, MD
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Welcome to the Brain SPORE/PSON Retreat. The primary goal of this retreat is to facilitate collaborations amongst researchers in the NCI Brain Specialized Programs of Research Excellence (SPORE) and NCI Physical Sciences of Oncology Network (PSONs). This meeting is being coordinated by the Mayo Clinic SPORE and PSOC groups and is being held instead of the traditional mid-winter NCI Brain SPORE meeting. Similar to previous SPORE meetings, the agenda is an open format in which each of the SPORE and many of the PSOC groups focused on brain cancer are provided approximately 40 minutes for multiple investigators from each of these programs to present research updates for their ongoing studies. This year, we would like investigators to tailor their presentations as a means to introduce potential collaborative work that could be done with one or more of the other groups in attendance. Both the SPOREs and the PSOCs have pilot funding that could be applied to such collaborative projects, and there may also be funds available as supplements from the NCI to support such activities. In the agenda below, we have provided links to the websites for each of the SPOREs/PSON groups to enable all to understand the breadth and depth of the programs presenting.

To foster initial engagement with potential collaborators, we will have break-out sessions each afternoon. We will have a facilitator for each session that may provide a short introduction to describe their view of the most compelling issues in neuro-oncology related to their session topic, but ultimately, the goal is to have an open discussion of research topics and perspectives on these subjects. By having smaller groups, we hope this informal setting will facilitate an open exchange of ideas and allow for establishing meaningful collaborations.

Another key goal for the breakout sessions is to identify critical gaps in translational research of brain tumors (both adult and pediatric). The NCI is forming an oversight advisory group to discover knowledge gaps in the NCI funded translational science portfolio and guide the NCI in ways to fill those gaps. Capitalizing on the collective expertise gathered at this retreat, we ask that each breakout session address key gaps in translational brain cancer research related to their discussion topic. The leader of each session will then draft a summary of these discussions that will be collated and provided to NCI leadership.

Hotel Reservation: https://aws.passkey.com/go/MayoBrainRetreat17

Sunday, January 28, 2018

6:00 PM – 8:00 PM	Registration/ Check in	Courtyard Lawn
6:30 PM – 9:00 PM	Cocktails & Hors d'oeuvre Reception	Courtyard Lawn

Monday, January 29, 2018

TIME	**TOPIC**	**SPEAKERS**	**LOCATION**
7:30 AM – 8:00 AM	Registration/ Check in		Talbot Colonnade
7:30 AM – 8:20 AM	Breakfast		Talbot Colonnade
8:20 AM – 9:00 AM	Introductions	▪ Jann Sarkaria & Forest White ▪ Julia Arnold – NCI Translational Research Program Director for Brain and Skin Cancer SPOREs ▪ Nastaran Zahir – NCI Physical Sciences of Oncology Program Director ▪ Toby Hecht – NCI Deputy Director, Division of Cancer Treatment and Diagnosis	Talbot E
40-minute Scientific Presentations			
9:00 AM – 9:40 AM	UMN/Mayo Clinic PSOC • https://physics.cancer.gov/network/UniversityofMinnesota.aspx • http://psoc.umn.edu/		
9:40 AM – 10:20 AM	MD Anderson SPORE • https://www.mdanderson.org/research/departments-labs-institutes/spores/brain-cancer-spore.html		
10:20 AM – 10:35 AM	**BREAK**		Talbot Prefunction

10:35 AM – 11:15 AM	California Institute of Technology PS-OP • https://physics.cancer.gov/network/CaliforniaInstituteOfTechnology.aspx Northwestern PSOC • http://www.psoc.northwestern.edu/236/		
11:15 AM – 11:55 AM	Dana-Farber/Harvard SPORE • http://www.dfhcc.harvard.edu/research/research-programs/clinical-based-programs/neuro-oncology/		
11:55 AM – 1:00 PM	**LUNCH**		Talbot Colonnade
1:00 PM – 2:00 PM	**Keynote Presentation:** "Systems Analysis of Cancer Therapeutics Resistance"	Douglas Lauffenburger, PhD *Ford Professor of Bioengineering, MIT*	
2:00 PM – 2:40 PM	Columbia PSOC • https://physics.cancer.gov/network/ColumbiaUniversityCancerInstitute.aspx • https://psoc.c2b2.columbia.edu/		
2:40 PM – 3:10 PM	UCLA SPORE • https://www.uclahealth.org/braintumor/spore-designation		
3:10 PM – 3:30 PM	***BREAK***		Talbot Prefunction
PSOC-led Break-out Sessions			
3:30 PM – 5:00 PM	Breakout Group I – tumor imaging	TBD	Talbot E
3:30 PM – 5:00 PM	Breakout Group II – drug distribution	Nathalie Agar – MIT/Mayo	Talbot F
3:30 PM – 5:00 PM	Breakout Group III – systems biology of therapeutic response	Eric Holland – Fred Hutchinson	Talbot G
3:30 PM – 5:00 PM	Breakout Group IV – Glioma invasion	David Odde/ Steven Rosenfeld – UMN/Mayo	Talbot H
5:00 PM – 6:00 PM	Brain Tumor Working Group		Talbot F

6:00PM – 7:00PM	Cocktail / poster session	Talbot Foyer
7:00 PM	Dinner	Salt Restaurant, The Ritz-Carlton

Tuesday, January 30, 2018

7:30 AM – 8:00 AM	Breakfast	Talbot Colonnade
8:00 AM – 8:10 AM	Introduction	Talbot E
40-minute Presentations		
8:10 AM – 8:50 AM	Mayo SPORE http://www.mayo.edu/research/centers-programs/cancer-research/research-programs/neuro-oncology-program/mayo-clinic-brain-cancer-spore	
8:50 AM – 9:30 AM	Moffitt PSOC • https://physics.cancer.gov/network/HLeeMoffittCancerCenter.aspx • http://psoc.moffitt.org/	
9:30 AM – 10:10 AM	UCSF SPORE http://neurosurgery.ucsf.edu/index.php/research_BTRC_SPORE.html	
10:10 AM – 10:25 AM	**BREAK**	Talbot Prefunction
10:25 AM – 11:05 AM	MIT/Mayo PSOC • http://psoc.mit.edu/ • https://physics.cancer.gov/network/MassachusettsInstituteofTechnology-network.aspx	
11:05 AM – 11:45 AM	Duke SPORE	

	https://trp.cancer.gov/spores/abstracts/duke_brain.htm		
11:45 AM – 1:00 PM	**LUNCH**		Talbot Colonnade
SPORE-led Break-Out Sessions			
1:00 PM – 2:30 PM	Breakout Group I – angiogenesis	Tracy Batchelor - Harvard	Talbot E
1:00 PM – 2:30 PM	Breakout Group II – small molecule therapy	John DeGroot – MDAH	Talbot F
1:00 PM – 2:30 PM	Breakout Group III – viral/immunotherapy	John Sampson – Duke	Talbot G
1:00 PM – 2:30 PM	Breakout Group IV – cancer genomics	Joe Costello – UCSF	Talbot H