

Radiobiology & Imaging Program Retreat:

May 9, 2013

Bioengineering in Cancer Therapy and Imaging: Illuminating New Directions in Nanoparticle Research

TIME	PRESENTER	AFFILIATION	TITLE
8:30-8:45	Stephen Hahn, MD Chair of Radiation Oncology Costas Koumenis, PhD	UPenn	Welcome/Opening Comments
Nanoparticle Development			
8:45-9:05	Daniel Hammer, PhD	UPenn	Designer Vesicles and Nano-materials from a Recombinant Surfactant Protein
9:05-9:25	Dennis Discher, PhD	UPenn	A Passport to Nanomedicine Success
9:25-9:45	Vladimir Muzykantov, MD, PhD	UPenn	Targeting Drugs and Probes to Vascular Endothelium
9:45-10:15	BREAK - POSTER VIEWING		
Nanoparticle Enabling Combined Modality Treatment			
10:15-11:15	Tayyaba Hasan, PhD	Harvard Med School	Photoactivatable Multi-inhibitor Nanoconstructs in Cancer Therapy
11:15-11:30	BREAK		
11:30-11:50	Costas Koumenis, PhD	UPenn	Nanoparticle Delivery of Curcumin and Cisplatin for Head and Neck Cancer
11:50-12:10	Jay Dorsey, MD, PhD	UPenn	Selective Targeting of Brain Tumors with Gold Nanoparticle-Induced Radiosensitization
12:10-12:30	Theresa Busch, PhD	UPenn	Under Construction: Light-Activated Drug Delivery via Polymersomes in Combination with Photodynamic Therapy
12:30-1:30	LUNCH		
1:30-2:30	Piotr Grodzinski, PhD	NCI	Cancer Nanotechnology – An Opportunity for New Diagnostics and Therapeutics – View from the NCI Alliance for Nanotechnology in Cancer
2:30-2:45	BREAK		
Nanoparticles in Imaging			
2:45-3:45	Shuming Nie, PhD	Emory-Georgia Tech	Nanotechnology for Multiplexed Cancer Detection and Image-Guided Surgery
3:45-4:00	BREAK		
4:00-4:20	Sergei Vinogradov, PhD	UPenn	Dendritic Upconverting Nanoparticles for Multiphoton Imaging and Sensing
4:20-4:40	Ailan Al-Zaki	UPenn	Predicting Therapeutic Response to External Beam Radiation Therapy Using a Multifunctional Nanoplatfom
4:40-5:00	Rong Zhou, PhD	UPenn	MRI-based Appraisal of Nanoparticles: Promise and Pitfalls
5:00-5:05	CLOSING REMARKS - POSTER AWARDS		