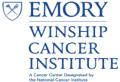




Wallace H. Coulter Department of Biomedical Engineering Georgia Tech College of Engineering and Emory School of Medicine





Workshop and Launch of the Integrative Cancer Imaging Research Program (iCIRP)

Health Sciences Resea	rch Building at Emory University - 1760 Haygood Dr NE, Atlanta, GA 30322 Friday, October 28, 2016, 8:00 a.m. – 5:00 p.m.
7:30 a.m. – 8:00 a.m.	BREAKFAST & REGISTRATION
8:00 a.m. – 8:15 a.m.	WELCOME & OPENING REMARKS Walter J. Curran, Jr, MD Executive Director, Winship Cancer Institute, Lawrence W. Davis Chair of Radiation Oncology Associate Vice President, Cancer, Woodruff Health Science Center, Emory University
	C. Ross Ethier, PhD Georgia Research Alliance Lawrence L. Gellerstedt, Jr. Eminent Scholar in Bioengineering Professor and Interim Chair, Coulter Department of Biomedical Engineering, Emory and Georgia Tech
	Carolyn C. Meltzer, MD William P. Timmie Professor and Chair, Department of Radiology and Imaging Sciences, and Associate Dean for Research, Emory University School of Medicine
8:20 a.m. – 8:35 a.m.	INTRODUCTION OF THE INTEGRATIVE CANCER IMAGING RESEARCH PROGRAM (ICIRP) Baowei Fei, PhD, Associate Professor
	GRA Distinguished Cancer Scientist, Department of Radiology and Imaging Sciences, Emory University School of Medicine Coulter Department of Biomedical Engineering, Emory and Georgia Tech
8:40 a.m. – 9:30 a.m.	Keynote: Cancer Imaging: The Dawning of a New Day Annick D. Van Den Abbeele, MD
	Chief, Department of Imaging, and Founding Director, Center for Biomedical Imaging in Oncology, Dana-Farber Cancer Institute Co-Director, Tumor Imaging Metrics Core at the Dana-Farber/Harvard Cancer Center Associate Professor of Radiology, Harvard Medical School
9:35 a.m. – 9:55 a.m.	BENCH TO FDA APPROVAL OF AXUMIN (ANTI-3-[18F]FACBC) FOR IMAGING CANCER Mark M. Goodman, PhD, Professor
10:00 a.m. – 10:20 a.m.	Department of Radiology and Imaging Sciences, Emory University School of Medicine SPECTROSCOPIC MRI FOR THE MANAGEMENT OF GBM PATIENTS
	Hyunsuk Shim, PhD, Professor Department of Radiology and Imaging Sciences, Emory University School of Medicine
10:25 a.m. – 10:35 a.m.	BREAK, INTERACTION & POSTER VIEWING

10:40 a.m. – 11:00 a.m.	CLINICAL TRANSLATION OF EMERGING ULTRASOUND IMAGING TECHNOLOGIES Stanislav Emelianov, PhD, Professor Department of Electrical and Computer Engineering, Georgia Tech Coulter Department of Biomedical Engineering, Emory and Georgia Tech
11:05 a.m. – 11:25 a.m.	THERANOSTIC NANOPARTICLES FOR TARGETED CANCER IMAGING AND IMAGE-GUIDED DRUG DELIVERY Hui Mao, PhD, Professor Department of Radiology and Imaging Sciences, Emory University School of Medicine
11:30 a.m. – 11:50 a.m.	CHARACTERIZING TUMOR IMMUNOLOGY: FROM GENE REGULATION TO IMMUNE CELL TRAFFICKING Philip Santangelo, PhD, Associate Professor Coulter Department of Biomedical Engineering, Emory and Georgia Tech
11:55 α.m. – 12:15 p.m.	COMPUTATIONAL PATHOLOGY: SOFTWARE TOOLS FOR PREDICTION AND LEARNING FROM HETEROGENEOUS CANCER DATA Lee Cooper, PhD, Assistant Professor Department of Biomedical Informatics, Emory University Coulter Department of Biomedical Engineering, Emory and Georgia Tech
12:15 p.m. – 1:00 p.m.	LUNCH, INTERACTION & POSTER VIEWING
1:10 p.m. – 2:00 p.m.	Keynote: Intraoperative Imaging and Image Updating for Guiding Tumor Resection Keith D. Paulsen, PhD Robert A. Pritzker Professor of Biomedical Engineering and Professor of Radiology, The Geisel School of Medicine at Dartmouth Scientific Director, Advanced Imaging Center, and Project Leader, Center for Surgical Innovation, Dartmouth-Hitchcock Co-Director, Cancer Imaging and Radiobiology Research Program, Norris Cotton Cancer Center
2:05 p.m. – 2:25 p.m.	MOLECULAR IMAGE-GUIDED TARGETED BIOPSY FOR PROSTATE AND OTHER CANCER David M. Schuster, MD, Associate Professor Department of Radiology and Imaging Sciences, Emory University School of Medicine
2:30 p.m. – 2:50 p.m.	MRI-GUIDED INTERVENTIONS FOR CANCER APPLICATIONS Sherif Nour, MD, Associate Professor Department of Radiology and Imaging Sciences, Emory University School of Medicine
2:55 p.m. – 3:15 p.m.	BIOPHOTONICS AND NANOTECHNOLOGY: NEW OPPORTUNITIES FOR IMAGE-GUIDED CANCER SURGERY Shuming Nie, PhD, Professor Coulter Department of Biomedical Engineering, Emory and Georgia Tech
3:20 p.m. –3:30 p.m.	WORKSHOP WRAP UP AND POSTER AWARD ANNOUNCEMENT
3:30 p.m. – 5:00 p.m.	POSTER SESSION



Cancer Imaging: The Dawning of a New Day

Annick D. Van den Abbeele, MD, FACR

Dr. Van den Abbeele is the chief of the Department of Imaging and founding director of the Center for Biomedical Imaging in Oncology at the Dana-Farber Cancer Institute. She also is co-director of the Tumor Imaging Metrics Core at the Dana-Farber/Harvard Cancer Center and an associate professor of radiology at Harvard Medical School.

Dr. Van den Abbeele is a pioneer in monitoring responses to molecularly-targeted therapy and immunotherapy in cancers and is internationally renowned for the implementation and development of quantitative metrics in cancer imaging. She has developed an integrated clinical and research cancer imaging department model to support translational cancer research, probe and drug development, and pre-clinical and clinical trials. She has authored more than 200 scientific articles and abstracts, co-edited two textbooks, and co-authored twenty-five book chapters.

Dr. Van den Abbeele is a Fellow of the American College of Radiology (FACR) and was recently appointed Co-Editor-in-Chief of Cancer Imaging, the Journal of the International Cancer Imaging Society. She has received several awards and serves on national and international scientific advisory boards, review panels, NCI program progress review groups, and committees.



Intraoperative Imaging and Image Updating for Guiding Tumor Resection

Keith D. Paulsen, PhD

Keith D. Paulsen is currently the Robert A. Pritzker Professor of Biomedical Engineering at the Thayer School of Engineering at Dartmouth; professor of radiology and surgery at the Geisel School of Medicine; director of the Advanced Imaging Center and scientific director of the Center for Surgical Innovation at Dartmouth Hitchcock Medical Center; associate director of Translational Programs for SYNERGY, Dartmouth's Center for Clinical and Translational Science; and

co-director of the Cancer Imaging and Radiobiology Research Program at the Norris Cotton Cancer Center, Dartmouth's NCI-designated Comprehensive Cancer Center.

Dr Paulsen is a fellow of IEEE, SPIE and AIBME, and an expert in biomedical imaging and computational modeling. His research has focused on the development and translation of advanced imaging technology, primarily for cancer detection, diagnosis, therapy monitoring and surgical guidance. He has authored almost 400 archival publications, is an inventor on 35 patents or patents-pending, and has maintained an active research program continuously funded by the NIH over the past 25 years.