Most conference materials will be available online.
Please bring your electronic device to view presentations in real time.

**DINNER RECEPTION**

**DATE:** Thursday November 1, 2018  
**TIME:** 6:30 pm to 8:30 pm  
**LOCATION:** Jordan Medical Education Center // Perelman Center for Advanced Medicine  
3400 Civic Center Boulevard // Philadelphia, PA 19104
PROGRAM OVERVIEW
Penn's Abramson Cancer Center and the Center for Precision Surgery in collaboration with the World Molecular Imaging Society present this activity to review and discuss recent progress and future challenges in clinical trials for intraoperative molecular imaging during cancer surgery. Lectures and interactive participation will encourage a dynamic exchange of ideas between faculty and attendees.

LEARNING OBJECTIVES
- Describe the status of ongoing or completed clinical trials in the field of intraoperative molecular imaging for cancer surgery
- Define indications and endpoints for intraoperative imaging trials in clinical cancer surgery
- Explore opportunities for creation of surgeon billing codes (CPT) for intraoperative molecular imaging

TARGET AUDIENCE
This activity is designed for surgeons and researchers interested in learning about intraoperative molecular imaging. This includes surgical oncologists, neuro-surgeons, thoracic surgeons, gynecologic oncology surgeons, gastrointestinal surgeons, otorhinolaryngologists/head and neck cancer surgeons, and other healthcare professionals involved in intraoperative molecular imaging for cancer such as radiologists, physicists, engineers, research scientists, and technologists.

REGISTRATION
Non-Penn Physicians .................................................................................................................. $200
Industry (non-exhibitor) ........................................................................................................... $300
Non-Penn residents, fellows, nurses and other healthcare professionals ................................. $100
Penn faculty, staff, residents, fellows and nurses .................................................................... $50
Students ........................................................................................................................................ no fee

Registration fee includes dinner Thursday night for registrants, breakfast and lunch on Friday and access to course materials. Parking fees are not covered.
Hotel reservation is separate from the meeting registration and is the responsibility of the participant.
For lodging, directions and parking information visit PennMedicine.org/PSIMI2018
For additional information please contact Barbara Lopez at lopezb@pennmedicine.upenn.edu
7:00 am  
Continental Breakfast

7:30 am  
Welcome and Introductions  
Sunil Singhal, MD & John YK Lee, MD, MSCE

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SESSION 1:  
PHASE III CLINICAL TRIALS IN INTRAOPERATIVE MOLECULAR IMAGING FOR CANCER SURGERY

7:35 am  
Approval for ALA in High Grade Gliomas - Lessons Learned  
Walter Stummer, MD, PhD // Neurosurgery // Germany

8:05 am  
Folate NIR Dye for Ovarian Cancer: Phase 3 US Trial  
Janos L. Tanyi, MD, PhD // Gynecologic Oncology // USA

8:35 am  
CEA Colon Cancer Trial: Phase 3 European Trial  
Alexander L. Vahrmeijer, MD // Oncologic Surgery // The Netherlands

9:05 am  
Discussion

9:35 am  
Coffee Break

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SESSION 2:  
PHASE II CLINICAL TRIALS IN INTRAOPERATIVE MOLECULAR IMAGING FOR CANCER SURGERY

10:00 am  
Anti-EGFR Antibody Imaging Strategies for Real-Time Surgical and Pathologic Guidance  
Eben Rosenthal, MD // Otolaryngology: Head & Neck Surgery; Radiology: Radiology/Molecular Imaging // USA

10:20 am  
VEGF Imaging of Tumors  
Gooitzen van Dam, MD, PhD // Surgery // The Netherlands

10:40 am  
Folate NIR Dye for Lung Cancer  
Sunil Singhal, MD // Thoracic Surgery // USA

11:00 am  
Use of a Cathepsin-Activated Fluorescent Imaging System for Intraoperative Detection of Positive Breast Lumpectomy Margins  
Barbara L Smith, MD, PhD // Oncologic Surgery // USA

11:20 am  
Discussion

11:40 am  
Lunch

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REGISTER ONLINE: PennMedicine.org/PSIMI2018
SESSION 3:
PILOT AND PHASE I CLINICAL TRIALS IN INTRAOPERATIVE MOLECULAR IMAGING FOR CANCER SURGERY

12:30 pm
EGFR Affibody: Design and Implementation of Novel Targeted Tumor Dye
Brian Pogue, PhD // Surgery // USA

12:50 pm
Intracranial Fluorescent Guided Surgical Lessons: From Visible to NIR Fluorophores
David W. Roberts, MD // Neurosurgery/Neurology // USA

1:10 pm
TumorGlow™ Second Window ICG & Folate NIR in Brain Tumors
John Y.K. Lee MD, MSCE // Neurosurgery // USA

1:25 pm
Tumor Paint™ Imaging – Pediatric Brain Tumors
Amy Lee, MD // Pediatric Neurosurgery // USA

1:40 pm
5-ALA in Other Brain Tumors and Photodynamic Therapy
Costas G. Hadjipanayis, MD, PhD // Neurosurgery // USA

1:55 pm
Fluorescein in Brain Tumors
Jeffrey N. Bruce, MD, FACS // Neurological Surgery // USA

2:10 pm
TumorGlow™ Second Window ICG in Head and Neck Tumors
Jason G. Newman, MD, FACS // Otorhinolaryngology: Head and Neck Surgery // USA

2:25 pm
Discussion

3:05 pm
Coffee Break

SESSION 4:
EXPLORATION OF SURGEON BILLING CODES FOR INTERPRETATION OF INTRAOPERATIVE MOLECULAR IMAGING

3:30 pm
Overview of CPT/RUC in Healthcare Reimbursement and Coverage Determinations
Scott Manaker MD, PhD // Pulmonary and Critical Care // USA

3:50 pm
Steps to Apply for a Novel CPT Code
Julie Painter, MBA, CCVTC, CPMA // USA

4:10 pm
Physician Participation in Development of Physician Work and Practice Expense: Recommendations for a new CPT code
Joseph Cleveland, MD // Cardiothoracic Surgery // USA

4:30 pm
CMS/FDA Parallel Review Pathway and Alternative Options
Brian P. Carey // FoleyHoag LLP // USA

4:50 pm
Discussion & Steps for Future

5:25 pm
Conference Closing

Friday, November 2, 2018
MEETING FACULTY

MEETING DIRECTORS

John Y.K. Lee, MD, MSCE
Associate Professor of Neurosurgery and Otorhinolaryngology: Head and Neck Surgery
Medical Director, Gamma Knife Center
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Sunil Singhal, MD
William Maul Measey Associate Professor in Surgical Research
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MEETING CO-DIRECTORS

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Associate Professor of Otorhinolaryngology: Head and Neck Surgery
Co-Director, Cranial Base Center
Director, Head & Neck Surgery, Pennsylvania Hospital
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Janos L. Tanyi, MD, PhD
Assistant Professor of Obstetrics and Gynecology: Gynecologic Oncology
Perelman School of Medicine at the University of Pennsylvania/Penn Medicine
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SPEAKERS

Jeffrey N. Bruce, MD, FACS
Edgar M. Housepian Professor of Neurological Surgery
Director, Bartoli Brain Tumor Research Laboratory
Co-director, Brain Tumor Center
Columbia University/New York-Presbyterian
New York, New York, USA

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Partner, Co-Chair, Administrative Law Department
Foley Hoag LLP
Boston, Massachusetts; Washington, D.C., USA

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Professor, Surgery: Cardiothoracic
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Denver, Colorado, USA

Gooitzen van Dam, MD, PhD
Professor of Surgery
University of Groningen,
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Chair of Neurosurgery, Mount Sinai Downtown Union Square/Beth Israel
Director of Neurosurgical Oncology, Mount Sinai Health System
Director, Brain Tumor Nanotechnology Laboratory
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Amy Lee, MD
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Scott Manaker MD, PhD
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Director of Clinical Documentation and Vice Chair for Regulatory Affairs, Department of Medicine
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Julie Painter, MBA, CCVTC, CPMA
Coding and Billing Manager
The Society of Thoracic Surgeons

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Professor of Engineering
Thayer School of Engineering at Dartmouth
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Eben Rosenthal, MD
Anne and John Doer Director of Cancer Services
Professor, Otolaryngology: Head & Neck Surgery
Faculty, Molecular Imaging Program at Stanford
Stanford University School of Medicine /Stanford Medicine
Stanford, California, USA

Barbara L Smith, MD, PhD
Professor of Surgery, Harvard Medical School
Director, Breast Program, Massachusetts General Hospital
Boston, Massachusetts, USA

Walter Stummer, MD, PhD
Professor and Chairman of Neurosurgery
Münster University Hospital
Münster, Germany

Alexander L. Vahrmeijer, MD
Oncologic Surgeon
Research Leader Image-Guided Surgery
Leiden University Medical Center
Leiden, The Netherlands
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In order to process refunds for conference withdrawals, we must receive cancellation in writing no later than 30 days prior to event.

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