Agenda

7:00 am
In-Person: Check-In, Visit Exhibits and Continental Breakfast
Virtual: Log-In to Virtual Conference - Visit Virtual Exhibit Hall

7:30 am
Welcome and Introductions
Sunil Singhal, MD // Thoracic Surgery // Perelman School of Medicine at the University of Pennsylvania / Penn Medicine
John Y.K. Lee MD, MSCE // Neurosurgery // Perelman School of Medicine at the University of Pennsylvania / Penn Medicine
Edward J. (Jim) Delikatny, PhD // Radiology/Optical Bioluminescence // Perelman School of Medicine at the University of Pennsylvania / Penn Medicine

SESSION 1  CLINICALLY APPROVED AND PHASE III TRIALS
Moderator: Eric R. Henderson, MD // Adult and Pediatric Orthopedics // Geisel School of Medicine, Dartmouth / Dartmouth Health

7:45 am
5-ALA in EUROPE – FUTURE STEPS
Walter Stummer, MD, PhD // Neurosurgery // Münster University Hospital

8:00 am
5-ALA IN USA
Costas Hadjipanayis, MD, PhD // Neurosurgery // Icahn School of Medicine at Mount Sinai

8:15 am
PAFOLACIANINE for Ovarian Cancer
Janos L. Tanyi, MD, PhD // Gynecologic Oncology // Perelman School of Medicine at the University of Pennsylvania / Penn Medicine
8:35 am
**PAFOLACIANINE for Lung Cancer: Phase 3 US Trial**
Linda Martin, MD // Thoracic Surgery // Chief, Division of Thoracic Surgery, University of Virginia School of Medicine (accepted per Sunil)

8:55 am
**CEA Colon Cancer Trial: Phase 3 European Trial**
Alexander L. Vahrmeijer, MD // Oncologic Surgery // Leiden University Medical Center

9:15 am
**Protease activated Dye in Breast Cancer Surgery: Phase 3 US Trial**
Barbara L. Smith, MD, PhD // Breast Surgery // Harvard Medical School / Massachusetts General Hospital

9:35 am
**Q&A Panel Discussion**

9:45 am
**Break and Visit Exhibits**

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**SESSION 2  PHASE II CLINICAL TRIALS**
**Moderator:** Karthik Rajasekaran, MD, FACS // Head and Neck Oncologic & Microvascular Reconstructive Surgery // Perelman School of Medicine at the University of Pennsylvania / Penn Medicine

10:10 am
**Anti-EGFR Antibody Imaging Strategies for Real-Time Surgical and Pathologic Guidance**
Eben Rosenthal, MD // Otolaryngology - Head & Neck Surgery // Vanderbilt University Medical Center

10:30 am
**Vergent Bioscience**
Sunil Singhal, MD // Thoracic Surgery // Perelman School of Medicine at the University of Pennsylvania / Penn Medicine

10:50 am
**Ph Sensitive Dyes (OncoNano) in Head & Neck Cancer**
David L. Bartlett, MD // Gastrointestinal Cancer Surgery // Allegheny Health Network (AHN) Cancer Institute
11:10 am
**pH Sensitive Dyes (OncoNano) in Phase II Lung Cancer Trial**
David Rice, MD // Thoracic Surgery // M.D. Anderson Cancer Center // Houston, Texas

11:30 am
Q&A Panel Discussion

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**SESSION 3: PEDIATRIC HOUR**
Moderator: Tracy Ma Flanders, MD, MSCE // Pediatric Neurosurgery // Children's Hospital of Philadelphia

11:40 am
**Tumor Paint™ Imaging – Pediatric Brain Tumors – PHASE iiLinda**
Amy Lee, MD // Pediatric Neurosurgery // University of Washington / Seattle Children’s Hospital

11:55 am
**Pediatric Surgical Oncology**
Marcus M. Malek, MD, FAAP – Pediatric Surgical Oncology // University of Pittsburgh / UPMC

12:10 pm
**Pediatric Surgical Oncology**
Andrew M. Davidoff, MD // Pediatric Surgery // St. Jude Children's Research Hospital

12:25 pm
Q&A Panel Discussion

12:35 pm
Lunch and Visit Exhibits

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**Session 4: PILOT AND PHASE I CLINICAL TRIALS**
Moderator: Andrew Tsourkas, PhD // Bioengineering // Perelman School of Medicine at the University of Pennsylvania / Penn Medicine

1:10 pm
**EGFR Affibody: Design & Implementation of Novel Targeted Tumor Dye**
Eric R. Henderson, MD // Adult and Pediatric Orthopaedics // Geisel School of Medicine, Dartmouth / Dartmouth Health
1:25 pm
Protease activated dye in Sarcoma (Lum-015)
Brian E. Brigman MD, PhD // Orthopaedic Surgery // Duke University / Duke Cancer Center / Duke Health

1:40 pm
Urokinase Protease Activating Dye (Fluoguide)
Jane Skjoth-Rasmussen, MD, PhD // Adult and Pediatric Neurosurgery // Rigshospitalet / Copenhagen University Hospital / University of Copenhagen

1:55 pm
Nerve specific Dyes – normal tissue identification
Quyen Nguyen MD, PhD // Otolaryngology // University of California San Diego / UC San Diego Health

2:10 pm
Nerve specific Dyes – normal tissue identification
Summer L. Gibbs, PhD // Biomedical Engineering // Oregon Health & Science University (OSHU) School of Medicine / OSHU Knight Cancer Institute

2:25 pm
Ureter Dyes during Urologic Cancer Surgery – normal tissue identification
Richard W. Farnam, MD // Gynecology // Las Palmas Del Sol Healthcare

2:40 pm
TumorGlow™ Second Window ICG in brain tumors
John Y.K. Lee MD, MSCE // Neurosurgery // Perelman School of Medicine at the University of Pennsylvania / Penn Medicine

2:55 pm
Q&A Panel Discussion

3:10 pm to 3:25 pm (15 min) - Coffee Break and Visit Exhibits

SESSION 5: HOW TO GET FROM BENCH TO BEDSIDE
Moderator: TBA

3:25 pm
Nerve specific Dyes – normal tissue identification
Quyen Nguyen MD, PhD // Otolaryngology // University of California San Diego / UC San Diego Health

3930 Chestnut Street • 5th Floor • Philadelphia, PA 19104-4283
3:40 pm
**pH Sensitive Dyes**
Baran Sumer, MD // Otorhinolaryngology // University of Texas / UT Southwestern Medical Center

3:55 pm
**Choline Kinase dyes**
Edward J. (Jim) Delikatny, PhD // Radiology/Optical Bioluminescence // Perelman School of Medicine at the University of Pennsylvania / Penn Medicine

4:10 pm
**TBA**
Lalitha K. Shankar, MD, PhD // Cancer Imaging Clinical Trials Branch// National Cancer Institute / Division of Cancer Treatment and Diagnosis

4:30 pm
**Q&A Panel Discussion**

**SESSION 6: ALTERNATIVE IMAGING STRATEGIES**
Moderator: Wesley B. Baker, PhD // Pediatric Neurology / Biomedical Optical Devices // Children’s Hospital of Philadelphia

4:40 pm
**Fluorescence Lifetime Imaging**
Anand Kumar, PhD / Radiology / Optical Molecular Imaging // Harvard Medical School / Massachusetts General Hospital

4:55 pm
**Label – free Fluorescence Lifetime Imaging**
Laura Marcu, PhD // Biomedical Engineering / Neurological Surgery // University of California

5:10 pm
**Photoacoustic Imaging**
Lei Li, PhD // Medical Engineering // California Institute of Technology / Caltech

5:25 pm
**MultiSpectral Camera Imaging**
Victor Gruev, PhD // Electrical and Computer Engineering //University of Illinois at Urbana-Champaign
5:40 pm
Q&A Panel Discussion

5:50 pm
PANEL DISCUSSION – FUTURE UNMET NEEDS (all speakers)
Moderator: Sunil Singhal, MD // Thoracic Surgery // Perelman School of Medicine at the University of Pennsylvania / Penn Medicine

6:20 pm
Conference Concludes

ACCREDITATION
In support of improving patient care, Penn Medicine is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

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NURSES: The program will award TBA NCPD hours.

PHYSICIAN ASSISTANTS: AAPA accepts certificates of participation for educational activities certified for AMA PRA Category 1 Credits™ from organizations accredited by ACCME or a recognized state medical society. PAs may receive a maximum of TBA Category 1 credits for completing this activity.

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