

Precision Surgery Intraoperative Molecular Imaging 4th Clinical Trials Update

Friday, November 14, 2025

7:00 AM – 4 PM EST

presented by the Abramson Cancer Center of the University of Pennsylvania

Overview

Penn's Abramson Cancer Center and Center for Precision Surgery 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

At the completion of this course, participants should be able to:

- 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
- Identify differences in camera imaging systems and advantages/disadvantages of various engineering and technology solutions

Who Should Attend

This activity is designed for surgeons and researchers interested in learning about intraoperative molecular imaging. This includes surgical oncologists, neurosurgeons, 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.

AGENDA

- 7:00 am** **In-Person: Check-In, Visit Exhibits and Breakfast**
- 7:30 am** **Welcome and Introductions**
Sunil Singhal, MD | Thoracic Surgery | Penn Medicine

John Y.K. Lee, MD, MSCE | Neurosurgery | Penn Medicine

Edward J. (Jim) Delikatny, PhD | Radiology/Optical Bioluminescence | Penn Medicine

Robert H. Vonderheide, MD, DPhil | Director, Abramson Cancer Center

SESSION 1: FDA APPROVED

Moderator: TBD

- 7:45 am** **Gleolan**
Costas Koumenis MD, PhD | Radiation Oncology | Penn Medicine
- 8:05 am** **Cytalux**
- 8:25 am** **Lumicell**
- 8:45 am** **Q&A Panel Discussion (15 min)**
- 9:00 am** **Break and Visit Exhibits (10 min)**

SESSION 2: PHASE III CLINICAL TRIALS

Moderator: TBD

- 9:15 am** **Vergent**
- 9:30 am** **TumorGlow**
Sunil Singhal, MD | Thoracic Surgery | Penn Medicine
- 9:45 am** **CEA**
Alex
- 10:00 am** **Q&A Panel Discussion (15 min)**

SESSION 3: PHASE II CLINICAL TRIALS

Moderator: TBD

- 10:20 am** **EGFR**
Eben Rosenthal, MD | Head & Neck Surgery | Vanderbilt University Medical Center
- 10:35 am** **Avelas**
Quyen Nguyen, MD, PhD | Head & Neck Surgery | University of California San Diego /UC San Diego Health
- 10:45 am** **Talk TBD**
Baran Summer
- 11:00 am** **Q&A Panel Discussion (15 min)**

Session 4: PHASE I CLINICAL TRIALS

Moderator: TBD

- 11:15 am** **Annexin - Integro**
Ari D Brooks, MD MS Ed. | Endocrine and Oncologic Surgery | Pennsylvania Hospital
or
Sam Ach
- 11:30 am** **ABY-029**
Eric R. Henderson, MD | Adult and Pediatric Orthopedics | Dartmouth Health
- 11:45 am** **Fluoguide (uPAR)**
Speaker TBD
- 12:00 pm** **Q&A Panel Discussion**
- 12:10 pm** **Lunch and Visit Exhibits (45 min)**

SESSION 5: STARTUPS

Moderator: TBD

- 1:00 pm** **Trace Bioscience**
Summer L. Gibbs PhD | Biomedical Engineering | School of Medicine at the Oregon Health and Science University
- 1:15 pm** Rogalla
- 1:30 pm** Mike Bouvet

- 1:45 pm** Edward J. (Jim) Delikatny, PhD | Radiology/Optical Bioluminescence | Penn Medicine
- 2:05 pm** James P. Bacion | Biomedical Engineering | CWRU Center for Imaging Research
- 2:20 pm** David E. Holt, BVSc | Veterinary Surgery | University of Pennsylvania School of Veterinary Medicine
- 2:35 pm** **Q&A Panel Discussion (15 min)**
- 3:45 pm** **Conference Concludes**