



Frontiers in Molecular Imaging

State-of-the-Art PET Imaging in Oncology, Cardiology, Neurology

Thursday, November 21, 2019
The Oaklander Hotel – The Cathedral Room

12:30 PM

Registration Desk Opens

1:00 PM

Opening Remarks

Jules Sumkin, DO, FACR

Professor and Chair of Radiology
UPMC Endowed Chair for Women's Imaging

Ashok Panigrahy, MD

Professor
John F. Caffey Endowed Chair in Pediatric Radiology
Radiologist-in-Chief, UPMC Children's Hospital of Pittsburgh
Vice Chair, Clinical and Translational Imaging Research, Department of Radiology

1:15 – 1:50 PM

Precision Imaging

Martin Pomper, MD, PhD

Henry N. Wagner, Jr., Professor
Director, Division of Nuclear Medicine and Molecular Imaging
Associate Dean for Entrepreneurship and Technology Development
Johns Hopkins University

1:50- 2:25 PM

Bench to Bedside: Developments in Cardiac Amyloidosis

Yvonne Eisele, PhD

Assistant Professor of Medicine
Division of Cardiology
University of Pittsburgh Medical Center

Prem Soman MD, PhD, FRCP (UK), FACC, MASNC

Associate Professor of Medicine (Cardiology), and Clinical & Translational Science
Director, Nuclear Cardiology
Director, UPMC Cardiac Amyloidosis Center
Director, Advanced Cardiac Imaging Fellowship
Division of Cardiology and The Heart and Vascular Institute
University of Pittsburgh Medical Center

2:25 – 3:00 PM

Nuclear Theranostics: Today and Tomorrow

Ashok Muthukrishnan MD, MS

Chief of Nuclear Medicine
Director of Theranostics
Department of Radiology, UPMC Presbyterian Shadyside
University of Pittsburgh Medical Center

Shyam M. Srinivas, MD, PhD

Assistant Professor of Radiology
Director of Molecular Imaging Research
University of Pittsburgh Medical Center

3:00-3:15 PM

Coffee break

3:15 – 3:50 PM

The Development of Total Body PET and its Projected Applications

Terry Jones, DSc

University of California Davis

3:50 – 4:25 PM

Insights into Human Neurochemistry from MR-PET Imaging

Jacob Hooker, PhD

Associate Professor of Radiology, Harvard Medical School
Phyllis and Jerome Lyle Rappaport MGH Research Scholar
Athinoula A. Martinos Center, Massachusetts General Hospital

4:25 – 5:00 PM

Development of Selective Amyloid Imaging Agents

Chet Mathis, PhD

Distinguished Professor of Radiology
UPMC Endowed Chair of PET Research
University of Pittsburgh

5:00 PM

Concluding Remarks

Carolyn J Anderson, PhD

Professor of Medicine, Radiology, Pharmacology & Chemical Biology,
Chemistry, and Bioengineering;
Director, Molecular Imaging Laboratory
University of Pittsburgh

5:00 – 6:00 PM

Reception



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Objectives

- To highlight the recent advances in molecular imaging that have been developed at the University of Pittsburgh and at other institutions.
- To inform the Pitt/UPMC community on advances of how imaging is used in precision medicine, including how to specifically diagnose and monitor treatment in cardiac amyloid, cancer, and neurological diseases, including Alzheimer's disease.
- To inform the Pitt/UPMC community on recent advances in PET/CT instrumentation that have dramatically improved resolution and sensitivity.
- In support of improving patient care, the University of Pittsburgh is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME) and the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

Target Audience

Faculty, trainees, staff at Pitt and UPMC who are interested in learning more about PET imaging of cancer, neurological disease, and cardiac disease

CME Accreditation and Designation

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Physicians

The University of Pittsburgh School of Medicine designates this live activity for a maximum of 3.75 *AMA PRA Category 1 Credits™*. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Other health care professionals

Other health care professionals will receive a certificate of attendance confirming the number of contact hours commensurate with the extent of participation in this activity.

Faculty Disclosure

All individuals in a position to control the content of this education activity including members of the planning committee, speakers, presenters, authors, and/or content reviewers have disclosed all relevant financial relationships with any entity producing, marketing, re-selling, or distributing health care goods or services, used on, or consumed by, patients.

The following relevant financial relationships were disclosed:

Carolyn J. Anderson, PhD

Grant/Research Support: Lumiphore, Inc.

Stockholder: Lumiphore, Inc.

Terry Jones, DSc

Grant/Research Support: UC Davis research agreement and revenue sharing agreement

Chet Mathis, PhD

Licensed IP through the University of Pittsburgh to GE Healthcare

Martin Pomper, MD, PhD

Consultant: Precision Molecular Co

Stockholder: Precision Molecular

Prem Soman, MD

Grant/Research Support: Astellas, Pfizer

Consultant: Pfizer, Inois, Alnylam

No other planners, members of the planning committee, speakers, presenters, authors, content reviewers and/or anyone else in a position to control the content of this education activity have relevant financial relationships to disclose.

The information presented at this CME program represents the views and opinions of the individual presenters, and does not constitute the opinion or endorsement of, or promotion by, the UPMC Center for Continuing Education in the Health Sciences, UPMC / University of Pittsburgh Medical Center or Affiliates and University of Pittsburgh School of Medicine. Reasonable efforts have been taken intending for educational subject matter to be presented in a balanced, unbiased fashion and in compliance with regulatory requirements. However, each program attendee must always use his/her own personal and professional judgment when considering further application of this information, particularly as it may relate to patient diagnostic or treatment decisions including, without limitation, FDA-approved uses and any off-label uses.

Acknowledgement of Commercial Support

We gratefully acknowledge support from the following for this activity.

Exhibitors:

- **Advanced Accelerator Application USA, Inc.**
- **Cardinal Health Nuclear & Precision Health Solutions**
- **GE Healthcare**
- **SOFIE**
- **United Imaging**