

2014 Annual Report Molecular Imaging Committee

The Molecular Imaging Committee (MIC) was created in response to advances and opportunities in the emerging field of molecular imaging (MI) to develop and oversee appropriate RSNA programs and activities. Through its various activities, the MIC continues to focus on reaching out to practicing clinicians to provide useful information about MI.

The MIC met in-person during RSNA 2013 and by teleconference several times throughout the past year, and organized and supported a number of educational activities in 2014:

World Molecular Imaging Congress (WMIC)

The MIC was invited to organize a Special Panel Discussion at the 2014 WMI in Seoul, Korea. This 75-minute RSNA-sponsored session involved panelists representing industry, RSNA, WMIS and QIBA, who discussed the needs and opportunities for developing and applying performance standards for molecular imaging; encompassing standards for imaging instrumentation, contrast agents, analysis methods, and biomedical studies. This session, entitled *Setting the Standards for Molecular Imaging*, was attended by approximately 50 people.

MI Roundtable Forum

Per the MIC Strategic Plan, approved by the Board in 2013, committee efforts have focused on education and outreach activities, with a goal of advancing the integration of MI technologies into radiologic practice. A subcommittee was formed to plan and execute a 1/2-day Roundtable Forum, which will be held on Saturday, November 29, 2014 from 1:00-4:00 pm at McCormick Place. Representatives from several domestic and international imaging societies have accepted invitations to participate. The focus of the Roundtable Discussion will be “*Mainstreaming and Integrating Molecular Imaging into Practice*,” with discussion organized around the value of MI technologies in clinical practice; ways to communicate a common message to referring physicians and the public and convey clinical problems to basic scientists, physicists, funding agencies; and barriers to deployment of MI technologies. It is anticipated that ~ 22 participants from 16 societies will be in attendance.

MI Scavenger Hunt

New for RSNA 2014, the committee has organized a Molecular Imaging Poster Scavenger Hunt. This activity is designed to raise awareness of MI research efforts and encourage traffic to the poster areas in the MI Campus and Lakeside Center. Participants will be challenged to find answers to 10-15 questions by visiting designated MI posters. The questions and answers were solicited from poster authors. Those who answer correctly will be entered into a prize drawing.

MI Courses at RSNA 2014

The day-long MI Multi-session symposium organized by the MIC will be made up of the following sessions:

- Oncology
- Radiogenomics: Linking Imaging to the Future - How to Prepare for the Radiogenomic Revolution
- Cellular and Microenvironment Imaging
- Molecular Brain Imaging: From Research to Clinical Applications

MI topics are also included in the Emerging Technologies track

Molecular Imaging Travel Awards (MITA)

The following 15 young researchers were selected as the highest scoring abstracts from 159 eligible candidates to receive MITA to support their travel to the RSNA Annual Meeting to present their work:

Funmilayo Tade, MD, MPH	Emory University
Pedram Heidari, MD	Massachusetts General Hospital
Huaijun Wang, MD, PhD	Stanford University
Han Wang, MD, PhD	Shanghai Jiao Tong University, China
Jennifer L. Burkemper, PhD	Mallinckrodt Institute of Radiology, Washington Univ.
Yu Kuang, PhD	University of Nevada, Las Vegas
Oluwaseun Odewole, MD, MPH	Emory University
Steven P. Rowe, MD, PhD	Johns Hopkins University
Michael C. Veronesi, MD, PhD	University of Chicago
Caroline Jung	University Hospital Hamburg, Germany
Lizhi Zhang, MD	West China Hospital. Sichuan University, China
Bennet J. Hensen	Hanover Medical School, Germany
Ahlem Bouhlel, PhD	Mallinckrodt Institute of Radiology Washington Univ.
Catharine G. Klose,	Kiel University, Germany
Emilia S. Olson, MD, PhD	University of California, San Diego

The MIC would like to thank all its members and other volunteers who have contributed to its efforts.

Satoshi Minoshima, MD, PhD
Chair, Molecular Imaging Committee