Symposium on Molecular Imaging with Mass Spectrometry Techniques

MONDAY OCTOBER 31, 2016
MD Anderson Cancer Center
Hickey Auditorium (R11.1400),
Main Building
1515 Holcombe Boulevard
Houston, TX 77030

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Full Spectrum Molecular Imaging in mass spectrometry combines and refines the best of several analytical techniques in a single instrument platform. This enables researchers to better understand cellular function and physiology or monitor the distribution of drug compounds throughout a tissue or organism. By integrating MALDI, DESI, ion mobility mass spectrometry and capable informatics workflows, a single system can provide a level of detail and molecular information that exceeds what is available from any single individual imaging technique. Complementary to conventional histologic techniques and other molecular imaging methods, mass spectrometry imaging can provide powerful and unique insights in physiology, pathology, and pharmacology. The Center for Radiation Oncology Research, through generous gifts from the E.L. Wiegand and James B. and Lois R. Archer Foundations, is now able to bring this platform to the MD Anderson Scientific Community and the Texas Medical Center. Please join us for a series of seminars on the use and advances in imaging mass spectrometry and discover how this technology can help you advance your research portfolio.

AGENDA:

8:00am  Registration and Breakfast
8:30am  Opening Remarks
Erik Cressman, Ph.D., MD., Dept. of Interventional Radiology, MD Anderson Cancer Center
8:45am  Advances in Ambient Ionization Mass Spectrometry (AIMS) for Molecular Imaging
Roy Martin, Ph.D, Senior Manager, Waters Corporation
9:05am  Q&A Session
9:15am  What is Your Type? Molecular Imaging Towards Systems Medicine
Ron Heeren, Ph.D., Maastricht MultiModal Molecular Imaging Institute, Maastricht University
10:15am  Q&A Session
10:30am Coffee Break
10:45am  Ambient Ionization Mass Spectrometry Imaging for Cancer Diagnosis and Surgical Margin Evaluation
Livia S. Eberlin, Ph.D., Dept. of Chemistry, University of Texas
11:45am  Q&A Session
12:00pm Lunch
1:00pm  Optimization of Mass Spectrometry Imaging Workflow : How Multimodal Imaging Can Help
Arash Zarrine-Afsar, Ph.D., Dept. of Medical Biophysics, University of Toronto
2:00pm  Q&A Session
2:15pm  Chemical Imaging Services at MD Anderson
Dodge L. Baluya, Ph.D., Dept. of Interventional Radiology, MD Anderson Cancer Center
3:15pm  Q&A Session
3:30pm Concluding Remarks

Check in online today at www.waters.com/SMSOct31
For additional questions please contact: Tyler_Tull@waters.com