



筑波大学 北アフリカ研究センター
Alliance for Research on North Africa,
University of Tsukuba

第83回ARENA定期セミナー

Molecular Imaging of Lipids by Matrix Assisted Laser Desorption Ionization Mass Spectrometry

日時：平成29年5月29日（月曜日）16:00～17:30

場所：北アフリカ研究センター会議室（共同研究棟A301）

講演者：Prof. Boutayna Rhourri Frih

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Abstract: Molecular imaging by mass spectrometry (IMS) is a promising approach for detection of biomolecules and characterization of their spatial distribution in organs. Indeed, this method works without *a priori*, as it does not require chemical modifications of the imaged biomolecules, and allows obtaining images for all detected m/z values by a direct analysis on the surface of tissues. Three examples of the use of Matrix Assisted Laser Desorption Ionization (MALDI) IMS are presented. The first two cases rely on mouse models, with the first one being a study of the impact of obesity on lipid metabolism. The third one relay to the heart failure and new metabolites discovery for resolution of acute inflammation.

平成29年度ARENA定期セミナー世話人：

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