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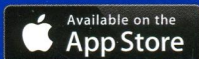


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Mass Spectrometry Imaging

ADVANCES IN ANIMAL MODELS ISSUE:
THE MEDICAL COUNTERMEASURES AGAINST
RADIOLOGICAL THREATS (MCART) CONSORTIUM

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On the cover: Matrix-assisted laser desorption ionization – mass spectrometry imaging (MALDI-MSI) of mouse lung. Unique ion markers visualized in mouse lung: (Left side, top to bottom) cyan, m/z 838; magenta, m/z 783; yellow, m/z 616. (Center) overlay of cyan, m/z 838; magenta, m/z 783; yellow, m/z 616. (Right side, top to bottom) green, m/z 707; white, m/z 761; hematoxylin and eosin (H&E). Pixel saturation is representative of relative abundance of the ion in MALDI-MSI images. See Scott et al., *Mass Spectrometry Imaging Enriches Biomarker Discovery Approaches with Candidate Mapping*, p. 120 and Jones et al. *Identification and Quantitation of Biomarkers for Radiation-Induced Injury via Mass Spectrometry*, p. 106.