

**CORNET Call for Proposals: international Collective Research**

**--- Partner Profile ---**

<b>Organisation:</b>	<b>Mannheim University of Applied Sciences</b> Center for Applied Biomedical Mass Spectrometry (ABIMAS)
<b>Website address:</b>	<a href="http://www.zafh-abimas.de">www.zafh-abimas.de</a> ; <a href="http://www.mitigate-project.eu/partners/mannheim-university-of-applied-sciences-de">http://www.mitigate-project.eu/partners/mannheim-university-of-applied-sciences-de</a> ; <a href="http://www.m2olie.de/eng/projekte/m2obite">http://www.m2olie.de/eng/projekte/m2obite</a>
<b>Organisation typology:</b>	<input type="checkbox"/> SME Association <input type="checkbox"/> Cluster <input checked="" type="checkbox"/> University <input checked="" type="checkbox"/> Research Centre <input type="checkbox"/> Other (please specify)
<b>Sector/field of specialisation:</b>	Analytical Science for diagnostics and drug discovery
<b>Expertise offered:</b>	<ol style="list-style-type: none"> <li>1. Mass spectrometry imaging for DMPK, Safety and PK-PD studies</li> <li>2. "Lipids / Metabolites as Biomarker" Discovery using Mass Spectrometry Imaging and Fingerprinting</li> <li>3. Label-free cell profiling using MALDI mass spectrometry</li> <li>4. Four state-of-the-art mass spectrometers for cell and tissue analysis as part of the Bruker Rhine-Neckar Center for MS Imaging and fingerprinting: Bruker UltrafleXtreme and Autoflex Speed MALDI-TOF/TOF MS, SolariX XR 7T FTICR MS and Impact II QTOF MS</li> <li>5. Infrared-Imaging</li> </ol> <p><u>examples:</u></p> <p>Munteanu B, Meyer B, von Reitzenstein C, Burgermeister E, Bog S, Pahl A, Ebert MP, Hopf C (2014). Label-free in situ monitoring of histone deacetylase drug target engagement by matrix-assisted laser desorption ionization-mass spectrometry biotyping and imaging. <i>Anal Chem.</i> 86(10): 4642-7. doi: 10.1021/ac500038j.</p> <p>Ruh H, Salonikios T, Fuchser J, Schwartz M, Sticht C, Hochheim C, Wirtzner B, Gretz N, Hopf C (2013). MALDI imaging MS reveals candidate lipid markers of polycystic kidney disease. <i>J Lipid Res.</i> 54(10):2785-94. doi: 10.1194/jlr.M040014.</p>
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