

MEET THE GUEST EDITOR

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Dr. Francesco Brancia studied chemistry at the University of Trieste (Italy). In 1998, he joined the Michael Barber Centre for Mass Spectrometry at Manchester University starting a Ph.D. in the area of characterisation of peptides and proteins using chemical derivatisation. After the completion of his Ph.D. he joined Shimadzu Research Laboratory (Europe) where he was involved in the development of the digital ion trap and all related applications. The general theme of his research focuses on the development and implementation of innovative mass spectrometric methods for identification and quantification of biomolecules.

SELECTED PUBLICATIONS

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- [3] Lapolla, A.; **Brancia, F.L.**; Bereszczak, J.Z.; Fedele, D.; Baccarin, L.; Seraglia, R.; Traldi, P. Off-line liquid chromatography-MALDI by various matrices and tandem mass spectrometry for analysis of glycosylated human serum albumin tryptic peptides. *Mol. Nutr. Food Res.*, **2007**, *5*, 456.
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- [9] Ding, L.; **Brancia FL**. Electron capture dissociation in a digital ion trap mass spectrometer. *Anal. Chem.*, **2006**, *78*, 4638.
- [10] **Brancia, F.L.** Mass spectrometry based strategies in quantitative proteomics. *Curr. Anal. Chem.*, **2006**, *2*, 1.
- [11] Lecchi, P.; Olson, M.; **Brancia, F.L.** The role of esterification on detection of protonated and deprotonated peptide ions in matrix assisted laser desorption ionization (MALDI) mass spectrometry (MS). *J. Am. Soc. Mass Spectrom.*, **2005**, *8*, 1269-74.
- [12] **Brancia, F.L.**; Giles, R.; Ding, L. Effect of reverse scan on mass measurement accuracy in a digital ion trap (DIT) mass spectrometer. *J. Mass Spectrom.*, **2004**, *39*, 702-704.
- [13] **Brancia, F.L.**; Montgomery, H.; Tanaka, K.; Kumashiro, S. Guanidino labeling derivatization strategy for global characterization of peptide mixtures by liquid chromatography matrix-assisted laser desorption/ionization mass spectrometry. *Anal. Chem.*, **2004**, *76*, 2748-55.
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