

Prof. Fulvio Magni

Curriculum vitae

Place of Birth: Verano Brianza (Milan), Italy

Date of Birth: 13-August-1957

Citizen: Italy

Depart. of Health Science; School of Medicine; UNIVERSITA' degli STUDI DI MILANO-BICOCCA; Via Cadore, 48 - 20900 Monza (MI); Italy

fulvio.magni@unimib.it; Phone: +39-0264488213; Fax: +39-02-64488252

Prof. Fulvio Magni graduated on the 1984 in Chemistry and Pharmaceutical Technologies (Faculty of Pharmacy). He obtained the PhD in Pharmacology and Toxicology at the Institute of Pharmacological Sciences, Faculty of Pharmacy, University of Milan in the 1991. Part of his training was spent at the University of Illinois at Chicago (Illinois, USA) with Dr. W.E. Lands studying arachidonic acid metabolism. Prof F. Magni was working as Principal Investigator at the Mass Spectrometry Unit of the IRCCS San Raffaele from the 1988 to 2002. Then he was nominated Assistant Professor on the 2002 at the School of Medicine and Surgery (Univ. Milano-Bicocca) where is still teaching and carrying own researches.

Research experience:

On Clinical Chemistry (Development of Definitive and Reference Methods); on Metabolism (studies on glucose, aminoacids, free fatty acids, ketoacids, glycerol metabolism with stable isotopes in human); and on Proteomics (top-down and bottom-up strategies; shotgun and label-free proteomic approaches based on nanoLC-ESI-MS/MS). He was a PI of one units of the Rete nazionale per lo studio del proteoma umano" and a member of the Management Commitment of the EuroKUP COST Action (BM0702). Actually is a member of the Management Commitment of the Cost action on Mass Spectrometry Imaging: New Tools for Healthcare Research (BM1104) and he is involved in the iCKD-MODE (FP7) project.

Technical skills and competences;

Prof F. Magni is familiar with the most advanced metabolomics and proteomics strategies including: nano LC interfaced with Mass spectrometry; different ionization techniques (ESI-MALDI-APCI) and MS/MS (QqTOF- Ion Trap – TOF/TOF; CID- ETD); label-free and label based relative quantification approaches; bottom-up and top-down proteomic approaches to identify and characterized proteins/peptides and their PTMs

Publications

1. Gianazza E, Chinello C, Mainini V, Cazzaniga M, Squeo V, Albo G, Signorini S, Di Pierro Ss, Ferrero S, Nicolardi S, Van Der Burgt Ye, Deelder Am, Magni F. Alterations of the serum peptidome in renal cell carcinoma discriminating benign and malignant kidney tumors. *J Proteomics*. 2012 76: 125-140.

2. Mainini V, Bovo G, Chinello C, Gianazza E, Grasso M, Cattoretti G, Magni F. Detection of high molecular weight proteins by MALDI imaging mass spectrometry. *Mol Biosyst*. 2013 2013; 9(6): 1101-7.

3. Magni F, Lalowski M, Mainini V, Marchetti-Deschmann M, Chinello C, Urbani A, Baumann M. Proteomics imaging and the kidney. *J Nephrol*. 2013 May 16;26(3):430-6

Mainini V, Pagni F, Garancini M, Giardini V, De Sio G, Cusi C, Arosio C, Roversi G, Chinello C, Caria P, Vanni R,.

4. Magni F. An Alternative Approach in Endocrine Pathology Research: MALDI-IMS in Papillary Thyroid Carcinoma. *Endocr Pathol*. *Endocr Pathol*. 2013 Dec;24(4):250-3.

5. Mainini V, Pagni F, Ferrario F, Pieruzzi F, Grasso M, Stella A, Cattoretti G, Magni F. MALDI imaging mass spectrometry in glomerulonephritis: feasibility test. *Histopathology*. 2014 May;64(6):901-6.