

BIOGRAPHICAL SKETCH

NAME Isabelle FOURNIER	POSITION TITLE Professor Group Leader of the MALDI Imaging Team Member of « Institut universitaire de France » (IUF)
CURRENT AFFILIATION Fundamental & Applied Biological Mass Spectrometry, University Lille 1, France	

EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)

INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
University Paris 6, Paris, France	Bachelor	1994	Chemistry
University Paris 6, Paris, France	Master	1996	Chemistry/Spectroscopy
University Paris 6 Paris, France (J.C. Tabet)	PhD	2000	Mass Spectrometry
University of Frankfurt, Germany (M. Karas)	Post-doc	2000-2001	Mass Spectrometry
University of Lille 1, Lille, France (M. Salzet)	Post-doc	2001-2003	Mass Spectrometry & Proteomics
University of Lille 1, Lille, France	Assistant Professor	2003-2009	Mass Spectrometry & Proteomics
University of Lille 1, Lille, France	Habilitation	2005	Mass Spectrometry & Proteomics
University of Lille 1, Lille, France	Professor	2009	Mass Spectrometry & Proteomics

List of five recent publications by the candidate:

- P1.** R. Lemaire, J.C. Tabet, P. Ducoroy, J.B. Hendra, M.Salzet, I. Fournier, *Anal. Chem.* (2006) 78, 809-819, *Solid Ionic Matrices for Direct Tissue Analysis and MALDI Imaging*
- P2.** R. Lemaire, A. Desmons, J.C. Tabet R. Day, M. Salzet, I. Fournier, *J. Prot. Res.* (2007), 6, 1295-1305, *Direct Analysis and MALDI Imaging of Formalin Fixed, Paraffin Embedded Tissue Sections*
- P3.** R. Lemaire, S. Aït-Menguellat, J. Stauber, V. Marchaudon, J-P. Lucot, P. Collinet, M-O. Farine, D. Vinatier, R. Day, P. Ducoroy, M. Salzet, I. Fournier, *J. Prot Res.* (2007), 6(11), 4127-4134, *Specific MALDI Imaging and Profiling for Biomarker Hunting and Validation: Fragment of the 11S Proteasome Activator Complex, Reg Alpha Fragment, Is a New Potential Ovary Cancer Biomarker*
- P4.** J. Stauber, R. Lemaire, J. Franck, D. Bonnel, D. Croix, R. Day, M. Wisztorski, M. Salzet, I. Fournier, *J. Prot Res.* (2008), 7(3), 969-978, *MALDI Imaging of FFPE Tissues: Application to Model Animals of Parkinson Disease for Biomarker Hunting*
- P5** Franck J., Arafah K., Elayed M., Bonnel D., Vergara D., Jacquet A., Vinatier D., Wisztorski M., Day R., Fournier I., Salzet M. *Mol Cell Proteomics* (2009) 8(9), 2023-33 *MALDI imaging mass spectrometry: state of the art technology in clinical proteomics.*

Please indicate in 200 words or less the reason(s) why you would be a suitable candidate for the HUPO Council elections.

My researches concern MALDI Mass Spectrometry Imaging, its developments and applications for proteomics in biology and clinics. I am a mass spectrometric from my background but I am now involved in proteomics for about 10 years since I fully entered the field of biology. As a chemist of background working in the field of biology I have constituted a multidisciplinary group including biologist, chemist and bioinformatics covering both fundamental and developments if MS for proteomics and applications. Interdisciplinary is very important for promoting emergency of new developments fitting biologists and clinicians expectations, which is the point of view that I can bring to the HUPO community.