

Soulaimane ABOULOARD

26/06/1992

Ingénieur d'études

Laboratoire PRISM – Unité Inserm U1192. Université de Lille.

Rue Paul Langevin – Bâtiment SN3 – 1^{er} étage Porte 107

59655 Villeneuve d'Ascq

☎ +33 (0)3 20 33 60 32

✉ soulaimane.aboulouard@univ-lille.fr

CURSUS

University of Lille 1 – Science and Technology

2015-2016 Master 2 Chemistry and Life Sciences, bioanalytical specialty.

2014-2015 Master 1 Chemistry and Biology, specialty bioanalytical chemistry.

2011-2014 License Biology, specialty biochemistry.

University of Lille 2 - Henri Warembourg

2010-2011 PACES, first year common to health studies.

Lycée Jean Bart – Dunkerque

2009-2010 Bachelor's degree in science, specialty physics chemistry.

CURRENT SITUATION

Since September 2016 Engineer PRISM laboratory INSERM U1192 – University of Lille

Field of activity: Mass spectrometry and nanoLC. Protein/Peptide/Lipid identification.

Mass spectrometry imaging and micro-proteomics.

Sample preparation for proteomics, metabolomics and lipidomics.

Bioinformatics analysis, data processing, analysis report writing.

Biology, pathology, cancer, clinical research.

PROFESSIONAL EXPERIENCE

PRISM laboratory, Protéomique Réponse Inflammatoire Spectrométrie de Masse, INSERM U1192, Université de Lille. (Internship)

January to July 2016 Development of chemical labeling on tissue section, for quantification of proteins by mass spectrometry.

MSAP laboratory, Miniaturisation pour la Synthèse, l'Analyse et la Protéomique, UMR 3290, Lille 1. (Internship)

April to July 2015 Development of methodology. Detection and quantification of carbonyl proteins related to oxidative stress by mass spectrometry.

UCEIV laboratory, Unité de Chimie Environnementale et Interaction sur le Vivant, Université du Littoral Côte d'Opale. (Internship)

May to June 2014 Analysis of methyl nucleotide after exposure to atmospheric particle by GC/MS.

Presentation

- **“Journée Scientifique Plateforme Protéomique et Spectrométrie de masse”** Apport de l'imagerie MALDI pour l'analyse des lésions PanINs dans des modèles murins de cancer du pancréas (Institut Pasteur Lille).

Poster

2019

- N Hajjaji, **S Aboulouard**, Y Robin, D Bertin, I Fournier, J Bonnetterre, M Salzet. Proteomic profile of high-risk luminal A early breast cancers (American Society of Clinical Oncology 2019)
- Baud C., Descamps, **Aboulouard S.**, Coevoet M., Larchanché PE., Salzet M., Fournier I., El Bakali J., Sergeant N., Melnyk P. Design and Synthesis of MSBD-based PAL probes: Toward the elucidation of the mode of action of a new series of anti-Alzheimer agents (14th International Conference on Alzheimer's and Parkinson's Diseases 2019).
- Adriana-Natalia Murgoci, Khalil Mallah, **Soulaimane Aboulouard**, Isabelle Fournier, Michel Salzet, Dasa Cizkova. Function of microglia and the exosomes content are influenced by the origin of cells (International society for neurochemistry meeting 2019)

2018

- **S Aboulouard**, M Wisztorski, P Saudemont, A Desmons, E Leblanc, M Salzet, I Fournier. Spatially-resolved microproteomics analysis of cancer of the genital tract (HCERES laboratoire PRISM).
- N Hajjaji, **S Aboulouard**, YM Robin, D Bertin, I Fournier, J Bonnetterre and M Salzet. Proteomic tracking of breast cancer metastasis progression (San Antonio Breast Cancer Symposium).
- N Hajjaji, **S Aboulouard**, YM Robin, D Bertin, I Fournier, J Bonnetterre and M Salzet. Proteomic profile of PAM50 intermediate risk early breast cancers (San Antonio Breast Cancer Symposium).
- Murgoci A-N, **Aboulouard S**, Fournier I, Cizkova D and Salzet M. The brain origin of microglia determines the content of exosomes and biological function (HCERES laboratoire PRISM).
- A Raffo-Romero, T Arab, C Van Vamp, Q Lemaire, M Wisztorski, J Franck, **S Aboulouard**, F Le Marrec-Croq, P-E Sautiere, J Vizioli, M Salzet & C Lefebvre. Involvement of alk4/5 signaling in the crosstalk between neurons and microglial cells in the leech *hirudo medicinalis* (HCERES laboratoire PRISM).

- Mallah K, Quanico J, Raffo-Romero A, Cardon T, **Aboulouard S**, Kobeissy F, Zibara K, Salzet M, Fournier I. Systemic biology study of mild-TBI unveils a link with parkinson's disease (HCERES laboratoire PRISM).
- T Arab, A Raffo-Romero, C Van Camp, Q LemairE, F Le Marrec-Croq, F Drago, **S Aboulouard**, C Slomianny, A-S Lacoste, I Guigon, H. Touzet, M Salzet, I Fournier, C Lefebvre, J Vizioli AND P-E Sautière. Proteomic characterization and functional assays of leech microglia extracellular vesicles (HCERES laboratoire PRISM).

PUBLICATION

In progress

1. **Soulaimane Aboulouard**, Maxence Wisztorski, Marie Duhamel, Philippe Saudemont, Tristan Cardon, Fabrice Narducci, Yves-Marie Robin, Anne-Sophie Lemaire, Delphine Bertin, Eric Leblanc, Isabelle Fournier, Michel Salzet. Sentinel lymph node and endometrial cancer Grade in-depth proteomic analyses: a way for molecular diagnosis.
2. Maxence Wisztorski, Philippe Saudemont, **Soulaimane Aboulouard**, Tristan Cardon, Fabrice Narducci, Yves-Marie Robin, Anne-Sophie Lemaire, Delphine Bertin, Firas Kobeissy, Eric Leblanc, Isabelle Fournier, Michel Salzet. Fallopian tube lesions as potential precursors of early ovarian cancer: A comprehensive proteomic analysis.

2020

1. Adriana-Natalia Murgoci, Tristan Cardon, **Soulaimane Aboulouard**, Marie Duhamel, Isabelle Fournier, Dasa Cizkova, Michel Salzet. Reference and Ghost proteins identification in Rat C6 glioma extracellular vesicles. Journal of Iscience.
2. Adriana-Natalia Murgoci, Marie Duhamel, Antonella Raffo-Romero, Khalil Mallah, **Soulaimane Aboulouard**, Christophe Lefebvre, Firas Kobeissy, Isabelle Fournier, Monika Zilkova, Denisa Maderova, Milan Cizek, Dasa Cizkova, Michel Salzet. Location of neonatal microglia drives small extracellular vesicles content and biological functions in vitro. Journal of extracellular vesicles.
3. Mélanie Rose, Marie Duhamel, **Soulaimane Aboulouard**, Firas Kobeissy, Emilie Le Rhun, Annie Desmons, Dominique Tierny, Isabelle Fournier, Franck Rodet, Michel Salzet. The role of a proprotein convertases inhibitor in reactivation of tumor associated macrophages and inhibition of glioma growth. Journal of Molecular Therapy-Oncolytics.

2019

1. T Arab, A Raffo-Romero, C Van Camp, F Le Marrec, **S Aboulouard**, C Slomianny, A.S Lacoste, I Guigon, M Salzet, I Fournier, C Lefebvre, J Vizioli and P-E Sautière. Proteomic characterization of leech microglia extracellular vesicles (EVs): comparison between differential ultracentrifugation and Optiprep™ density gradient isolation. Journal of Extracellular Vesicles.

2. Antonella RAFFO-ROMERO, Tanina ARAB, Christelle VAN CAMP, Quentin LEMAIRE, Maxence WISZTORSKI, Julien FRANCK, **Soulaimane ABOULOARD**, Françoise LE MARREC-CROQ, Pierre-Eric SAUTIERE, Jacopo VIZIOLI, Michel SALZET & Christophe LEFEBVRE. ALK4/5-dependent TGF- β signaling contributes to the crosstalk between neurons and microglia following axonal lesion. *Journal of Scientific Reports*.
3. Khalil Mallah, Jusai Quanico, Antonella Raffo-Romero, Tristan Cardon, **Soulaimane Aboulouard**, David Devos, Firas Kobeissy, Kazem Zibara, Michel Salzet, Isabelle Fournier. Mapping Spatiotemporal Microproteomics Landscape in Experimental Model of Traumatic Brain Injury Unveils a link to Parkinson's Disease. *Journal of Molecular & Cellular Proteomics*.
4. Khalil Mallah, Jusai Quanico, Antonella Raffo-Romero, Tristan Cardon, **Soulaimane Aboulouard**, David Devos, Firas Kobeissy, Kazem Zibara, Michel Salzet, Isabelle Fournier. Matrix-Assisted Laser Desorption/Ionization-Mass Spectrometry Imaging of Lipids in Experimental Model of Traumatic Brain Injury Detecting Acylcarnitines as Injury Related Markers. *Journal of American Chemical Society*.
5. Filip Humenik, Dasa Cizkova, Stefan Cikos, Lenka Luptakova, Aladar Madari, Dagmar Mudronova, Maria Kuricova, Jana Farbakova, Alexandra Spirkova, Eva Petrovova, Martin Cente, Zuzana Mojzisova, **Soulaimane Aboulouard**, Adriana-Natalia Murgoci, Isabelle Fournier, Michel Salzet. Canine Bone Marrow-derived Mesenchymal Stem Cells: Genomics, Proteomics and Functional Analyses of Paracrine Factors. *Journal of Molecular & Cellular Proteomics*.