Curriculum Vitae Michel Salzet
Short CV

Since 1998, Professor Michel Salzet (54 y/old) is the director of the U1192 Inserm, PRISM (http://www.laboratoire-prism.fr) unit at the University of Lille (ULille). Pr. Salzet received his PhD in Biochemistry at ULille in 1993. After his PhD, Pr. Salzet worked as Associate Researcher at the Institute of Neurosciences at College at Old Westbury (USA), and was subsequently nominated as Senior Research Scientist at the Beth Israel, Mind Body Institute of Harvard Medical School (1998). Dr. Michel Salzet became Professor with a chair of Immunology in 1997 and member of the Institut Universitaire de France in 1998. Pr. Salzet is an expert in the field of immunology and proteomics. He trained 28 PhD students, 26 Master including 8 resident physicians. He participated in 30 thesis committees (11international) and 13 HDR. He published 370 articles (ORCID : 0000-0003-4318-0817) including 302 original articles and reviews, 30 Book Chapters, Coordinator of Book: 8, 30 congress articles 16 Patents, h-Index: 59, 11465 citations (Google scholar), Conferences: 184 (102 on invitations). Pr. Salzet is also co-founder of the Start-Up IMABIOTECH started in 2009, Clic-Imaging platform (2013), 3D cell Omics platform (2018)and Yes-Tec (2020) . He creates the Proteomics Master's Degree Program of Lille (2000), became the director of the Doctoral School of Biology and Health of Lille (1998-2002), the responsible of the Genopole program for University of Lille 1 (1998-2003) and from 2013 t0 2017, responsible of the International relationship of ULlille. He is presently distinguished Professor (PRCE2). He received in 1993 the Wicart Hagelstein Medaillon and in 2003 the "Grand Prix des Sciences" by the Science Academy, the INPI in 2008. He got, MATWIN (2015) price, the Quebec Sciences price (2013) with Pr. X. Roucou on the Ghost Proteins and the force Award in 2019.He obtained more than 30 grants from national or international (NIH, NSF & NIDA (USA); FRSQ & IRSC (Canada); FWO (Belgium), H2020) agencies and 11 industrial contracts.

Ten most important projects and/or publications of the past 5 years

Publications

Cardon T, Franck J, Damato M, Maffia M, Vergara D, Fournier I, **Salzet M** Alternative Proteins are Functional Regulators in Cell Reprogramming by PKA Activation. Nucleic Acid Research, Apr 23. pii: gkaa277. doi: 10.1093/nar/gkaa277

Cardon T, Hervé F, Delcourt V, Roucou X, **Salzet M**, Franck J, Fournier I. Optimized Sample Preparation Workflow for Improved Identification of Ghost Proteins. Anal Chem. 2020 Jan 7;92(1):1122-1129.

Murgoci A-N, Mallah K., Aboulouard S., Lefebvre C., Kobeissy F., Fournier I., Cizek M., Cizkova D., **Salzet M**. The origin of microglia determines the content of exosomes and biological function. Journal of Extracellular Vesicles (2020) 9 (1), 1727637

Ogrinc Potočnik N., Saudemont P., Balog J., robin Y-M., Gimeno JP, Pascal Q., Tierny D., Takats Z., **Salzet M.**, Fournier I. SpiderMass for in-vivo and real-time analysis. Nat Protoc. 2019 Nov;14(11):3162-3182.

Saudemont P, Quanico J, Robin YM, Baud A, Balog J, Fatou B, Tierny D, Pascal Q, Minier K, Pottier M, Focsa C, Ziskind M, Takats Z, Salzet M, Fournier I. Real-Time Molecular Diagnosis of Tumors Using Water-Assisted Laser Desorption/Ionization Mass Spectrometry Technology. Cancer Cell . pii: S1535-6108(18)30423-9.

Simeone P, Trerotola M, Franck J, Cardon T, Marchisio M, Fournier I, **Salzet M**, Maffia M, Vergara D. The multiverse nature of epithelial to mesenchymal transition. Semin Cancer Biol. 2018, pii: S1044-579X

Delcourt V, Brunelle M, Roy AV, Jacques JF, **Salzet M**, Fournier I, Roucou X. The Protein Coded by a Short

Open Reading Frame, Not by the Annotated Coding Sequence, Is the Main Gene Product of the Dual-Coding Gene MIEF1.Mol Cell Proteomics. 2018 Dec;17(12):2402-2411.

Projects

2020-2023, Era-Permed (EU)

MEET-AML Metabolic vulnerabilities for personalized therapeutic approaches in acute myeloid leukemia 289k€ for co-PI

2019-2022 : StarAirr

Heimdall , a Ghost protein : Modification of the cell phenotype of astrocytes into neurons by inhibition of the Heimdall protein for the therapeutic purpose of neurogenesis., 120k€, **PI**

2015-2019 : Inserm-Inca – (Physique, de la Chimie et des Sciences de l'Ingénieur (PCSI))

Development of a novel instrument for real time mass spectrometry: Spider Mass, 545k€, PI

Other scientific output and impact

- He was representative in the COST Action for MS Imaging (2014-2018), Vice-chair of the FET-OPEN since 2017, member of the interdisciplinary Board of FWO since 2012; I was President of the FRNTQ and the FCI for Canada since 2017. At the national level, he was Scientific Delegate at CNRS (2009-2012), and since 1999, he is Member of the National Council of University section 68 and expert for the HCERES. At the international level, he was Member of the Governing Board of European Graduates School of Neurosciences (2011-2016), Member of the Managing group for personalized medicine for European citizen (2009-2012) and Member of the Core Group of LESC of European Sciences Foundation (2009-2012). As international expert, he was Remote Evaluator (2016) then Vice Chair (since 2017) of the H2020 RIA FET-OPEN. Since 2002 he is Remote Evaluator for NSF, MRC, CRSNG, FRSQ, FCI (Board member), NIH, NIDA.
- At the national level, he was Scientific Delegate at CNRS (2009-2012), and since 1999, he is Member of the National Council of University section 68 and expert for the HCERES, President of the French Mass spectrometry society (2010-2013)

General Audience Dissemination

National. Press article in “La Voix du Nord” (1999, 2008, 2011), Press article in “Nord Éclair (2000)”, Press article in La “Voix du Nord National Press” (2001), Expert for “Le Monde” Research Prize (2004-2015), Press article in Le “Figaro” (2004), Press article in “Le Nouvel Observateur” (2004), Press article in “Le Parisien” (2004), Press article in “Libération” (2004), Press article in “Femme actuelle” (2004), Press article in “Sciences et Avenir” (2005), Press article in “Libération” (2005), Press article in “Top Santé Magazine” (2006), Press article in “Viva” (2006), Press article in “Ouest France” (2006), Press article in “AFP” (2007), Press article in “UFC Que Choisir” (2007), Press article in “Femina” (2008), Press article in “La Dépêche du Midi” (2009), Press article in “SUD-OUEST” (2010), Press article in “Pause Santé” (2011), Press article in “Viva” (2011), Press article in “Le Nouvel Obs” (2014, 2016), Notre Temps (2019), Dr.Good (2019)

International Conference on Science Day (23/10/1999), Science Week in Lille "Proteomics" (10/2001), Discover: http://www.discover.com (12/2001), Bars of Science in the context of interventions for the IUF (2000-2002), Press article in El Mundo (2005), Press article in the Welt des Wissend, Press article in Peter Moosleitners Magazin (05/2005), Press article in Québec Science 2013

Radio La Tête au Carré France Inter (12/2008)

TV France 3 (2004), France 2 (2004), "C’est pas Sorcier", France 3 (2005), C9 (2008), Arte (2008), France 2 ADN (2010), E= M6 (2017)

He was in 2011 with Pr. Xavier Roucou (Bioinformatician) from Univ. Sherbrooke (Canada) at the origin of the discovery of the Alternative proteins from shot gun proteomic data. Since this date, Pr. M.

Salzet with Pr. I. Fournier have developed strategies to identify their patterners and their functions in Eucaryotes and especially their role in cancer.