

Joanna Bons

Postdoctoral Fellow

The Buck Institute

After a diploma of engineer in biotechnology from the School of Biotechnology (ESBS) in Strasbourg (France), Joanna Bons integrated the team of Dr. Christine Carapito at the Laboratory of BioOrganic Mass Spectrometry (LSMBO, Strasbourg) as PhD student. Her work aimed at improving proteome quantification and characterization using quantitative MS (SRM, PRM, DIA), and apply these methods in particular for the accurate quantification of ten biomarker candidates of beef meat quality. Joanna received her PhD in December 2019 and continued as postdoc within Dr. Christine Carapito's team to develop MS-based strategies to accurately quantify and characterize low-abundance proteins, such as residual host cell proteins in drug substances. In September 2020, Joanna joined the laboratory of Dr. Birgit Schilling at the Buck Institute for Research on Aging (Novato, CA). Her research focuses on the development of analytical methods and the application of DIA methodology to gain insights into the modulation of the proteomes and post-translational modifications in various collaborative projects on neurodegenerative diseases, metabolic disorders or chronic inflammation-associated cancers.