

CV



Isabel González Mariscal is a tenured Inserm researcher at UMR1190 “Translational Research on Diabetes” in Lille, investigating the mechanisms of metabolic-related diseases, such as diabetes, to find new strategies for more effective therapies using applied and fundamental molecular biology. She obtained a PhD in Biotechnology at Universidad Pablo de Olavide (Seville), where she specialized in mitochondrial metabolism. Following her interest in deciphering the mechanisms of metabolic-related diseases, she joined the Laboratory of Clinical Investigation led by Dr Josephine M. Egan at the National Institute on Aging (NIH, USA), where for 6 years she investigated endocannabinoid signaling in metabolism and beta cell biology. In 2018 she obtained a Marie Skłodowska-Curie Individual Fellowship and moved to IBIMA (Málaga), where she established her own research line on the role of the endocannabinoid system in islet inflammation and type 1 diabetes. Since 2023, at UMR1190 she is leading research programs aiming to decipher the mechanisms of human islet pathophysiology and to develop next-generation biotherapies for diabetes, including CRISPR/Cas9- and AAV-based approaches and ex vivo human insulinitis models. Her work combines pharmacological and genetic strategies to identify new therapeutic targets that preserve beta cell function by modulating the crosstalk between immune cells and islets.

Email address: isabel.gonzalez-mariscal@inserm.fr

Website: <https://www.translational-research-diabetes.com/>