

Breaking The Wall of Antimicrobial Resistance - Miguel Fernandez de Ullivarri

Miguel Fernandez de Ullivarri is one of the fifteen MSCA fellows who will participate in the Falling Walls Lab competition.

Miguel was born in Argentina. After graduating with a BSc in Biotechnology in 2010, he earned his PhD in Biochemistry at the Universidad Nacional de Tucuman (Argentina), studying the antimicrobial killer toxins produced by native wine yeasts from Northwestern Argentina. He carried out his first postdoctoral research at INSIBIO (Argentina) on the recombinant expression antigens from the parasite *Leishmania braziliensis* for the development of **novel vaccines for Leishmaniasis**.

In 2018, he moved to Cork (Ireland) as a Marie Skłodowska-Curie Fellow to work at APC Microbiome at University College Cork, where he started his current project on novel antifungal peptides for the **treatment of vaginal candidiasis**. This use of peptides offers a new way of treating bacterial diseases by preventing antimicrobial resistance. Miguel is still working on this topic and other projects on **antimicrobials**, such as the enhancement of Nisin A production by genetic engineering of *Lactococcus lactis* with the company ImmuCell (USA).

