



Universidad
de Navarra



Amaia Zúñiga-Ripa Ph.D. in Biology from the Department of Microbiology and Parasitology at the University of Navarra on December 12th, 2011. Her dissertation, titled "A study on some aspects of *Brucella* intracellular life: central carbon metabolism and trafficking," focused on key aspects of *Brucella* biology. She received training in Molecular Biology at the "Université de Namur" (Belgium), Cellular Biology at the "Centre d'Immunologie de Marseille-Luminy" (France), and bacteriological, molecular, and serological diagnostic methods for brucellosis at the Animal Health Unit, CITA (Zaragoza, Spain).

Researcher at the Department of Microbiology and Parasitology at the University of Navarra, her research is focused on the carbon metabolism of *Brucella* and its link with virulence, with the final goal of vaccine development. Her work has led to the development of novel vaccine candidates against animal brucellosis, resulting in patents and participation in two international consortia led by veterinary companies CZ Vaccines and Virbac. Both consortia were awarded in the first phase of the "Brucellosis Vaccine Prize" competition (Galvmed). She is the author/co-author of 37 research articles and has more than 80 contributions to research conferences (six awards). She has participated in 16 funded research projects, including EU-funded projects (PI in two of them).

She combines research activity with academic responsibilities, accredited as "Profesor Contratado Doctor" by ANECA. She has supervised 13 Final Degree Projects, 3 Master's Theses, and 3 Ph.D. Theses (one ongoing). She has conducted in-person and online courses on brucellosis diagnosis, epidemiology, and control in Spain, Uganda, and Kenya.

She is member of three research teams: *Brucella*-Brucellosis (University of Navarra), Bacterial Zoonoses: Brucellosis, Salmonellosis, and Streptococcal Infections (Government of Aragón), and Neglected and Emerging Infectious Diseases (Navarra Institute for Health Research). She is responsible for the Biosafety Level 2 (BSL-2) facilities at the Department of Microbiology at the University of Navarra and contributes to the development and supervision of the Standard Operating Procedures Manual for the Biosafety Level 3 (BSL-3; A/ES/18/I-22) laboratory within the Department.

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