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Magdalena Ladrón de Guevara

Postdoctoral Scholar, Reproductive Biology

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Magdalena Ladrón de Guevara is a postdoctoral scholar in reproductive biology whose research investigates the molecular and cellular mechanisms driving early human embryo implantation and trophoblast behavior. Her work integrates single-cell and spatial transcriptomics, live imaging, CRISPR-based functional genomics, and genome editing to explore embryo–maternal interactions within the implantation niche.

Originally trained as a veterinarian in Argentina, Magdalena earned a master’s in Animal Genetics and Reproductive Biotechnology in Spain and completed her Ph.D. in Reproductive and Developmental Biology at the Università degli Studi di Milano as part of the Marie Skłodowska-Curie EUROVA network. Her experience spans both veterinary and human assisted reproduction, with deep expertise in embryo culture, oocyte maturation, gene regulation, genome editing, and the generation of genetically engineered mouse models. She brings a translational perspective to developmental biology and fertility research.

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