

Dr. Carles Giménez.

Dr. Carles Giménez is a scientist with extensive experience in cellular biology and preimplantation genetic testing (PGT). He obtained his Master's in Cellular Biology from the Department of Cellular Biology and Physiology at the Autonomous University of Barcelona (UAB) in 1991, followed by a PhD in Biological Sciences from the same institution in 1995.

Dr. Giménez's career began at the Institute of Fundamental Biology (now IBB) under Dr. Francesca Vidal's guidance in 1989. His research initially focused on developing PGT techniques in cytogenetics for X-linked disorders, aneuploidy, and translocations, later expanding to include polymerase chain reaction (PCR) for single-gene diseases.

In 1994, Dr. Giménez, as part of the Group of Research in Human Preimplantation Embryos research team, achieved an important milestone by facilitating the first birth in Spain after PGD using fluorescence in situ hybridization (FISH). Subsequently, in collaboration with Dr. Josep Santaló, he pioneered the application of PGD techniques to detect cystic fibrosis, leading to Spain's first successful pregnancy using PCR-based PGD.

Dr. Giménez's expertise is further evidenced by his numerous qualifications:

- Specialization in Assisted Human Reproduction (ASEBIR, 2003)
- Senior Embryologist certification (ESHRE, 2008)
- Master's in Genetic Counseling (Pompeu Fabra University, Barcelona, 2009)
- ASEBIR certification in human assisted reproduction. Clinical embryology (ASEBIR, 2010)
- Accreditation as a geneticist (Spanish Human Genetics Association, AEGH, 2015)

His academic contributions include co-directing graduation dissertations and doctoral theses, as well as co-authoring approximately 20 scientific papers in national and international journals.

Dr. Giménez's professional journey includes working as an embryologist at Hospital Quirón in Barcelona from 1997 to 2003. In 2003, he co-founded DiNA Science (formerly Reprogenetics Spain), where he currently serves as the molecular laboratory director, genetic counselor, scientific co-director, and chief operations officer.