



2

Years duration
2020-2021



9

International
partners



5

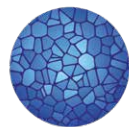
Countries



4.8

European
funding (M€)

HUGODECA IS A



HUMAN
CELL
ATLAS

INITIATIVE

Partners



The HUGODECA project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 874741

WANT TO KNOW MORE ?



www.hugodeca-project.eu

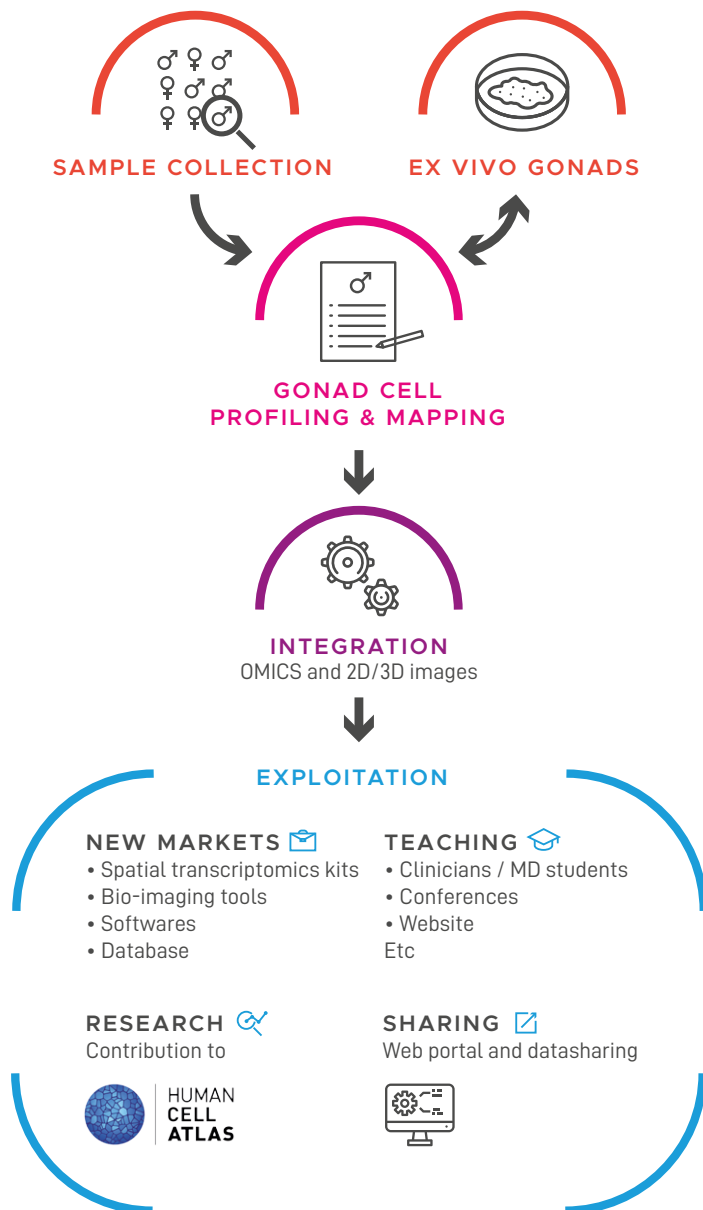


@hugodecaproject

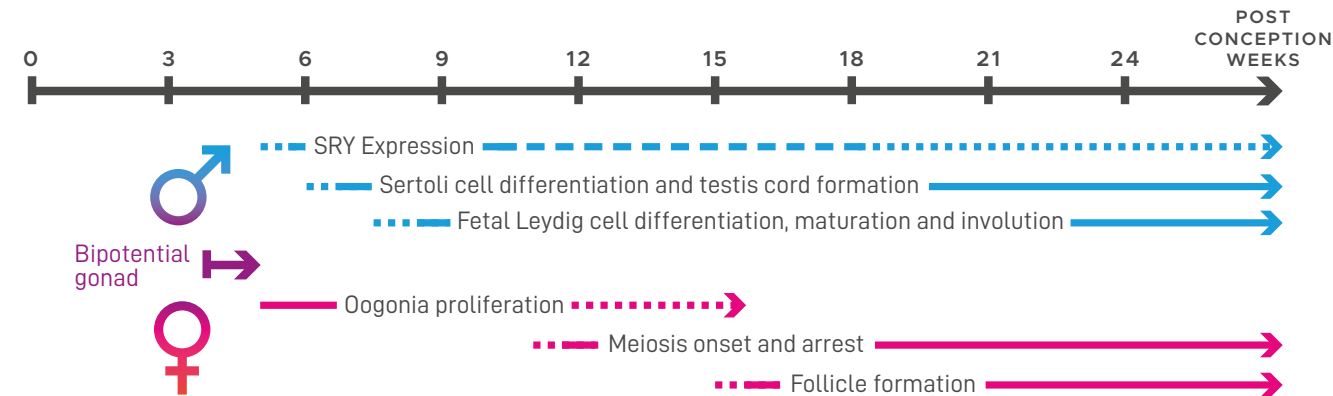
HUG DECA

Human Gonad
Developmental Cell Atlas

Project concept



Gonad Development in humans



Improving knowledge on Differences of Sex Development

The HUGODECA project is a European funded research initiative investigating how human gonads (either an ovary or a testis) develop in the embryo in order to understand how the initially bipotential organ differentiates in a sex specific manner.

Sex determination is the process that triggers the development of either male or female reproductive organs. By working on the understanding of this process, researchers also hope to improve our knowledge of congenital conditions affecting sex development, namely patients with Differences of Sex Development (DSD).

This project gathers 9 teams of researchers, clinicians and companies working all around Europe together.

A systemic approach to sex determination

The project is organized around 4 main scientific objectives and will provide a better understanding of the association between gestational age, genetic sex, and the different steps of gonad differentiation:

- Referencing of human gonads into the Human Cell Atlas
- Integration of multidimensional OMICS data across platforms
- Assessment of ex vivo culture models of embryonic human gonads
- Launch of an online human embryology portal for clinicians, scientists and general public

The consortium will have 2 years to deliver on these ambitious objectives.

Timeline

