



KASTURBA MEDICAL COLLEGE
MANIPAL
(A constituent unit of MAHE, Manipal)

Department of Reproductive Science Open Day

ON
WORLD
EMBRYOLOGIST
DAY

MONDAY
25 July
2022

 Dr TMA Pai Auditorium KMC, Manipal

 0820 - 2923242

 reproduction@manipal.edu

Contact your
institute or school
to participate

We welcome biology students to visit our campus on July 25, 2022 to experience the world of Reproductive Science on the occasion of **World Embryologist Day**.

You will be able to interact with scientists and clinical embryologists, learn all about test tube babies (IVF), inquire of the postgraduate programmes available, and witness cutting edge research in developmental biology and genetics.

You will have the opportunity to

Meet the gametes and embryos

Observe live human sperm, oocytes and early embryos, their structures and progression *in vitro*

Experience the 'art' of Assisted Reproductive Technology

Learn how oocytes are fertilised in an IVF lab using micromanipulative techniques

Watch embryos growing outside the womb

Know how artificial conditions are created to develop embryos *in vitro*

Understand genetic testing of gametes and embryos

Learn how embryo biopsies and genetic testing of embryos are performed

Explore gametes and embryos as toxicity screening models

Witness the potential applications of reproductive cells in the field of Toxicology

See the world of cryopreservation

Learn how sperm, oocyte and embryos are banked at ultra low temperature, and their applications in Reproductive Medicine and Fertility Preservation