



Placental Biology Course

14th-18th September 2026

Online with daily interactive sessions

Registration deadline: 7 September 2026

This course is aimed at any scientist interested in placental biology and will include lectures as well as recorded practicals.

Lecture topics

Human and mouse placental development • Organoids and trophoblast cultures • Materno-fetal interactions • Immunology • Epigenetics and multi-omics • Placental structure, transport, and function • Angiogenesis • Clinical study design • Placental metabolism • Stem cell embryo models • Genome editing • Grant/fellowship writing • History of human embryos

Course fees

Student.....£125
Postdoc.....£150
MD/DVM/Group Leader.....£300
Industry.....£500

Bursary available. Apply now!

Contact

placentalbiologycourse
@pdn.cam.ac.uk



Lecturers

Irving Aye Translating placental research	Nick Hopwood History of human embryos
Thorsten Boroviak Primate embryogenesis	Naomi McGovern Congenital infection
Graham Burton Placental development	Ashley Moffett Clinical immunology
Stephen Charnock-Jones Placental angiogenesis	Andrew Murray Placental metabolism
Tereza Cindrova-Davies Early pregnancy development	Kathy Niakan Genome editing
Francesco Colucci Placenta immunogenetics	Claire Senner Trophoblast stem cells
Miguel Constanica Mouse genetic models	Amanda Sferruzzi-Perri Placental endocrinology
Kay Elder Human embryo culture	Andrew Sharkey Placental immunity
Dino Giussani Developmental programming	Gordon Smith Clinical study design
Courtney Hanna Placental multi-omics	Erica Watson Mouse placental development
Catherine Aiken Drug safety during pregnancy	Sue Ozanne Obesity and diabetes effects
Geraldine Jowett Human germline development	Margherita Turco Placental and endometrial organoids
Peter Rugg-gunn Human peri-implantation development	Marta Shabhazi Aneuploidy and early human development