

Hybrid Conference Programme

Start (GMT)	Finish (GMT)	Presenter details
Monday 10 March 2025		
12:00	13:00	Registration, lunch and networking
12:45	13:00	Briefing for Keynote & Session 1 speakers, microphone runners, chair, moderator & committee - Auditorium
13:00	13:20	Welcome
		<p>Wellcome Connecting Science: Jane Murphy, Wellcome Connecting Science, UK</p> <p>Scientific Programme Committee: Marisa Bartolomei, University of Pennsylvania, USA Thomas Eggermann, University Hospital Aachen, Germany David Monk, University of East Anglia, UK Irene Netchine, Sorbonne University, France</p>
13:20	14:10	Keynote 1
		<p>Chair: Marisa Bartolomei, University of Pennsylvania, USA Moderator: David Monk, University of East Anglia, UK</p> <p>Ancestral, conserved and novel mechanisms in marsupial genomic imprinting Marilyn Renfree, University of Melbourne, Australia</p>
14:10	14:15	Comfort break
14:15	15:45	Session 1: Imprinting gene function and physiology
		<p>Chair: Thomas Eggermann, University Hospital Aachen, Germany Moderator: Irene Netchine, Sorbonne University, France</p>
14:15	14:45	<p>Imprinting in the placenta: Influencing maternal behaviour & offspring outcomes Rosalind John, University of Cardiff, UK</p>
14:45	15:00	<p>Placental expression of Delta-like homologue 1 (Dlk1) regulates endothelial cell development and hormone production to modulate fetal growth and maternal fatty acid metabolism Marika Charalambous, King's College London, UK</p>
15:00	15:15	<p>Elucidating the Epigenetic Regulation of Imprinted Gene Dosage: Insights into Tissue-Specific Control and Novel Mechanisms of Dlk1 Expression in the Neurogenic Niche Anella Weinberg-Stukron, University of Cambridge, UK</p>
15:15	15:45	<p>Silver-Russell syndrome beyond childhood Justin Davies, University of Southampton, UK</p>
15:45	16:30	Refreshment break and networking
16:16	16:30	Briefing for Session 2 speakers, chair & moderator - Auditorium
16:30	18:00	Session 2: Life cycle of imprinting
		<p>Chair: David Monk, University of East Anglia, UK Moderator: Thomas Eggermann, University Hospital Aachen, Germany</p>
16:30	17:00	<p>DNMT3L: a role beyond the establishment of imprints and germline methylation Courtney Hanna, University of Cambridge, UK</p>
17:00	17:15	<p>Maternal PAD16 impairment affects UHRF1 stability and DNA methylation in mouse blastocysts: a possible mechanism of multi-locus imprinting disturbance Carlo Giaccari, University of Campania Luigi Vanvitelli, Italy</p>
17:15	17:30	<p>Loss of imprinting at the RB1 locus in families with RB1 promoter variants supports the role of transcription in establishing oocyte-specific DNA methylation at the RB1 DMR Deniz Kanber, University Hospital Essen, University Duisburg-Essen, Germany</p>
17:30	18:00	<p>Establishment of the paternal methylation imprint at the H19/IGF2 ICR Proksa E Szabo, Van Andel Institute, USA</p>
18:00	18:30	Poster pitch talks for odd number posters
18:30	20:00	Poster session 1 - odd number posters
20:00	21:00	Dinner
20:00		Bar open (card payments only)

Tuesday 11 March 2025		
08:45	09:00	Briefing for Session 3 speakers, chair & moderator - Auditorium
09:00	10:45	Session 3: Disordered imprinting and human disease Chair: Thomas Eggermann, University Hospital Aachen, Germany Moderator: Irene Netchine, Sorbonne University, France
09:00	09:30	Late onset β -thalassaemia major: an imprinting disorder Giovanni Battista Ferrero, University of Turin, Italy
09:30	10:00	High-resolution dissection of allele-specific regulatory layers at the Dk1-Dio3 locus Daan Noordermeer, Université Paris-Saclay, France
10:00	10:15	How GRB10 might contribute to the Silver-Russell Phenotype Mathias Begemann, Uniklinik RWTH Aachen, Germany
10:15	10:30	The imprinted gene Zac1 in the regulation of hepatic aging by early life environmental stress Michael Cowley, North Carolina State University, USA
10:30	10:45	Oxford nanopore long-read genome sequencing provides comprehensive genetic variant and methylation testing for critically ill children in ultra-rapid settings Dmitrijs Rots, Erasmus MC, Netherlands
10:45	11:15	Refreshment break and networking
11:00	11:15	Briefing for Clinical Case Studies session speakers, chair & moderator - Auditorium
11:15	12:55	Clinical Case Studies Chair: Irene Netchine, Sorbonne University, France Moderator: Thomas Eggermann, University Hospital Aachen, Germany Epidemiology, clinical characteristics and genotype of imprinting disorders in Irish Children Claire Power, Cork University Hospital, Ireland Clinical and molecular mechanisms of macroglossia in the Beckwith-Wiedemann spectrum Jennifer Kalish, Children's Hospital of Philadelphia/University Of Pennsylvania, USA Temple syndrome: comprehensive clinical study in genetically confirmed 60 patients and diagnostic and therapeutic implications Masayo Kagami, National Research Institute for Child Health and Development Description of two patients with Prader-Willi syndrome due to a very rare mosaic imprinting defect Jasmin Beygo, Institut für Humangenetik, Universitätsklinikum Essen, Universität Duisburg-Essen, Essen, Germany Comprehensive molecular and clinical findings in 29 patients with multi-locus imprinting disturbance Tatsuki Urakawa, National Research Institute for Child Health and Development, Japan Understanding the impact of MLID on imprinting disorders: preliminary results from the StratIFID study Gabriella Gazdagh, Wessex Clinical Genetics, UK Co-occurrence of dominant PLAG1 frameshift/nonsense variants and MEG8:INT2-DMR hypomethylation: a possible novel role of the imprinted 14q32 locus in Silver-Russell syndrome. Emilia D'Angelo, University Of Campania Luigi Vanvitelli-Caserta, Italy
12:55	14:00	Lunch and networking
13:45	14:00	Briefing for Session 4 speakers, chair & moderator - Auditorium
14:00	15:30	Session 4: New mechanisms of regulation Chair: Andrea Riccio, University of Campania Luigi Vanvitelli, Italy Moderator: David Monk, University of East Anglia, UK
14:00	14:30	Selfish conflict underlies RNA-mediated parent-of-origin effects Alejandra Burga, Institute of Molecular Biotechnology (IMBA) Vienna, Austria
14:30	15:00	Genetics and clinical aspects of multilocus imprinting disturbance Eamonn Maher, Aston Medical School, UK
15:00	15:15	Biallelic gain of a permissive chromatin signature precedes productive maternal enhancer-promoter interaction at the Zim1 imprinted gene during neural commitment Philippe Arnaud, Cnrs, France
15:15	15:30	Discovering parental differentially methylated regions in the pig highlights evolutionary and molecular mechanisms shaping genomic imprinting Julie Demars, Inrae, France
15:30	16:00	Refreshment break and networking
15:45	16:00	Briefing for Session 5 speakers, chair & moderator - Auditorium
16:00	17:30	Session 5: Epigenetics mechanisms and therapeutics of imprinting disorders Chair: Irene Netchine, Sorbonne University, France Moderator: Thomas Eggermann, University Hospital Aachen, Germany
16:00	16:30	Genome And Epigenome Editing For Imprinting Disorders Of Prader-Willi And Angelman Syndrome Yong-Hui Jiang, Yale School of Medicine, USA
16:30	17:00	The winding path towards cellular models of imprinting defects Eliisa Gabicani, Sorbonne University, France
17:00	17:15	Novel insights into DNA methylation at the imprinted regions in the embryonic stem cells and post-implantation embryos Xiajun Li, ShanghaiTech University, China
17:15	17:30	SMCHD1 at the human 15q11.2-13 locus. Exploring mechanisms of gene silencing to inform gene activation therapy for Prader-Willi Syndrome. Anna Le Fevre, Walter and Eliza Hall Institute of Medical Research, Australia
17:30	18:00	Poster pitch talks for even number posters
18:00	19:30	Poster session 2 - even number posters
19:30	21:00	Dinner
19:30		Bar open (card payments only)

Wednesday 12 March 2025

08:45	09:00	Briefing for Keynote, chair, moderator & committee - Auditorium
09:00	09:50	Keynote 2 Chair: David Monk, University of East Anglia, UK Moderator: Marisa Bartolomei, University of Pennsylvania, USA LTRs as mediators of imprinting Gavin Kelsey, Babraham Institute, UK
09:50	10:20	Refreshment break and networking
10:05	10:20	Briefing for Session 6 speakers, chair & moderator - Auditorium
10:20	12:10	Session 6: X-inactivation Chair: Marisa Bartolomei, University of Pennsylvania, USA Moderator: David Monk, University of East Anglia, UK
10:20	10:50	Signal decoding at the Xist locus Edda Schultz, Max Planck Institute for Molecular Genetics, Germany
10:50	11:05	Erosion of X-Chromosome Inactivation in Human Pluripotent Stem Cells Reveals Insights into XIST-Mediated Regulation of Escape Genes Simão Rocha, Instituto Superior Tecnico, Portugal
11:05	11:20	To Test or Not to Test: should we do X-inactivation analysis on blood DNA to explain variability of non-blood phenotypes? M.Mahdi Motazacker, Amsterdam UMC, Netherlands
11:20	11:50	Imprinted X-inactivation from gamete to embryo Jeanne Lee, Harvard Medical School, USA
11:50	12:00	Closing remarks and prize presentation Scientific Programme Committee: Marisa Bartolomei, University of Pennsylvania, USA Thomas Eggemann, University Hospital Aachen, Germany David Monk, University of East Anglia, UK Irene Netchine, Sorbonne University, France
12:00	12:50	Lunch and departures
12:50		Coach departures for Stansted and Heathrow airports
13:00		Coach departures for Cambridge train station and city centre