



Society for Reproduction and Fertility Annual Conference

11 – 13 July 2016

University of Winchester, UK

Scientific Programme Overview as at 24th June 2016 *(programme may be subject to change)*

Monday 11 July 2016		
10:30 – 11:00	Registration for Postgrad/postdoctoral Symposium <i>Stripe Foyer</i>	
11:00 – 12:00	Postgraduate/Post Doctoral Symposium: <i>Stripe Lecture Room</i> 'Skills and career development for a future in academic research' Chairs: Chris Coyle (University of Aberdeen, UK) Kacie Thomson (Imperial College London, UK)	
11:00 – 11:20	Making an impact through scientific writing Kevin Sinclair (Editor-in-Chief, <i>Reproduction</i>)	
11:20 – 11:40	How to increase the impact of your article Victoria Merriman (Marketing Manager, Bioscientifica)	
11:40 – 12:00	How to get your next job: from first postdoc to tenured post Keith Jones, (University of Southampton, UK)	
11:00 – 12:45	Registration continues and mounting of posters <i>Stripe Foyer, Stripe 1 & 2</i>	
12:00 – 12:45	Lunch (for all delegates) <i>University Dining Hall</i>	
12:50 – 13:00	Welcome to SRF 2016 <i>Stripe Auditorium</i> from Franchesca Houghton (Chair of the SRF Meetings Committee)	
13:00 – 14:30	Symposium 1: <i>Stripe Auditorium</i> New technologies in reproductive science Chair: John Carroll (Monash University, Melbourne, Australia)	
13:00 – 13:30	S1	Can reproductive technologies prevent transmission of mitochondrial DNA disease? Mary Herbert (University of Newcastle, UK)
13.30 – 14:00	S2	Biallelic genome editing of human stem cells at scale William Skarnes (Wellcome Trust Sanger Institute, Hinxton, Cambridge, UK)
14:00 – 14:30	S3	Monitoring dynamic changes of DNA methylation in single cells during development and disease Yonatan Stelzer, Whitehead Institute of Biomedical Research, Cambridge, USA)
14:30 – 14:45	Refreshments <i>Stripe Studio 1 & 2</i>	
Oral Communications Parallel sessions 1 & 2		

14:50 – 16:20	Oral Communications 1 – Ovary <i>Stripe Auditorium</i> Chairs: W Colin Duncan (University of Edinburgh, UK) Sairah Sheikh (University of Oxford, UK)	
14:50 – 15:05	O1	Mice with follicular premature ovarian failure at 3 months of age become afollicular by 1 year of age Betsy Plumb (Oxford Brookes University, UK)
15:05 – 15:20	O2	The effect of folic acid supplementation during the juvenile pubertal period or adulthood on gene expression in the ovary Reyna Penailillo Escarate (University of Southampton, UK)
15:20 – 15:35	O3	PLCz-induced Ca²⁺ oscillations are enhanced after germinal vesicle breakdown during mouse oocyte maturation Jessica Sanders (Cardiff University, UK)
15:35 – 15:50	O4	Oocyte maturation arrest in endometriosis is caused by elevated levels of Reactive Oxygen Species and enforced via a DNA Damage Response and the Spindle Simon Lane (University of Southampton, UK)
15:50 – 16:05	O5	A positive feedback loop between Hypoxia and miRNA-210 augments endothelin 2 in human granulosa cells Ketan Shrestha (The Hebrew University of Jerusalem, Israel)
16:05 – 16:20	O6	Post-partum endometritis: its negative impact on luteal vascularisation, progesterone content and steroidogenic enzyme expression in the cow Zeravan Mohammed (University of Nottingham, UK)
14:50 – 16:20	Oral Communications 2 – Early Development 1 <i>Stripe Lecture Room</i> Chairs: Tom Fleming (University of Southampton, UK) Joanna Gould (University of Southampton, UK)	
14:50 – 15:05	O7	Cyclical DNA methyltransferase and histone deacetylase expression across multiple timescales in the uterus of the Siberian hamster (<i>Phodopus sungorus</i>) Tyler Stevenson (University of Aberdeen, UK)
15:05 – 15:20	O8	Mouse blastocyst implantation in an in vitro model is promoted by early apposition with the uterine epithelium and by hyperosmolar stress Peter Ruane (University of Manchester, UK)
15:20 – 15:35	O9	A novel role of Adam 10 in tight junction formation during mouse preimplantation development Inchul Choi (Chungnam National University, South Korea)
15:35 – 15:50	O10	Investigating of the role of Tribbles-2 protein in mammalian embryo implantation Shaghayegh Basatvat (University Of Sheffield, UK)
15:50 – 16:05	O11	Investigating O-GlcNAcylation in an in vitro model used to mimic diabetes, and its effects on implantation Jessica Watts (University of Manchester, UK)
16:05 – 16:20	O12	Efficacy of progestogen supplementation in women undergoing assisted reproductive technology treatment: a meta-analysis Amal Mohammed (University of Nottingham, UK)

16:20 – 16:30	Comfort break	
16:30 – 17:30	SRF Postdoctoral Prize Session <i>Stripe Auditorium</i> Chairs: Andrew Childs (Royal Veterinary College, London, UK) Satoshi Namekawa (University of Cincinnati College of Medicine, USA)	
16:30 – 16:50	O13	Identification of novel DAZL targets in the human fetal ovary Roseanne Rosario (University of Edinburgh, UK)
16:50 – 17:10	O14	Etoposide results in follicle loss in the fetal mouse ovary, but does not block the ability of oocytes to progress through prophase I of meiosis Agnes Stefansdottir (University of Edinburgh, UK)
17:10 – 17:30	O15	The crosstalk between Nodal and Tumor Necrosis Factor alpha during luteolysis establishment in the mare António Galvão (Polish Academy of Science, Olsztyn, Poland and University of Lisbon, Portugal)
17:30 – 17:50	S4	SRF-SRB Exchange Lecture: Progesterone control of Regulatory T cell phenotype and abundance Ella Green (University of Adelaide, Australia)
17:50 – 19:00	Poster Session 1 and Welcome Reception <i>Stripe Studio 1 & 2</i> (ODD Poster Numbers)	
19:00 – 20:00	Networking Buffet <i>University Dining Hall</i>	
20:00 onwards	Walking Tours of Winchester	

Tuesday 12 July 2016		
08:30 – 09:00	Registration <i>Stripe Foyer</i>	
09:00 – 10:30	Symposium 2: <i>Stripe Auditorium</i> New roles for old signalling pathways Chair: Robert Abayasekara (Royal Veterinary College, London, UK)	
09:00 – 09:30	S5	Leptin revisited: novel neurohormonal and molecular mechanisms for the reproductive roles of leptin Manuel Tena-Sempere (University of Cordoba, Spain)
09:30 – 10:00	S6	PI3K regulation of dormant follicle activation Kazuhiro Kawamura (St Marianna University School of Medicine, Kawasaki, Japan)
10:00 – 10:30	S7	AMH and INSL3: 'testicular' factors with intra-ovarian roles Phil Knight (University of Reading, UK)
10:30 – 11:40	Poster Session 2 and refreshments <i>Stripe Studio 1 & 2</i> (EVEN Poster numbers)	

11:40 – 12:40	New Investigator Award Lectures Chair: Franchesca Houghton (University of Southampton, UK)		Stripe Auditorium
11:40 – 12:10	S8	SRF New Investigator Award Lecture: Genetic and environmental determinants of male reproductive health Rod Mitchell (MRC Centre for Reproductive Health, Queens Medical Research Institute, Edinburgh, UK)	
12:10 – 12:40	S9	SSR New Investigator Lecture: Epigenetics in the male germline from stem cells to sperm Satoshi Namekawa (University of Cincinnati College of Medicine, USA)	
12:40 – 13:40	SRF AGM (for SRF members only)		Stripe Auditorium
13.00 – 14:20	Lunch (<i>Lunch for AGM attendees 13:40 – 14:20</i>)		University Dining Hall
14:30 – 15:45	SRF Student Prize Session Chairs: Chris Coyle (University of Aberdeen, UK) Kacie Thomson (Imperial College London, UK)		Stripe Auditorium
14:30 – 14:45	O16	Exaggerated metabolic changes during puberty precede adult obesity and hyperlipidemia in an ovine model of Polycystic Ovary Syndrome (PCOS) Katarzyna Siemienowicz (University of Edinburgh, UK)	
14:45 – 15:00	O17	Derivation and use of mouse embryonic stem cell lines as model for mechanistic analysis of periconceptional developmental programming Pooja Khurana (University of Southampton, UK)	
15:00 – 15:15	O18	FACS-sorted putative Oogonial Stem Cells from the mouse ovary are neither DDX4-positive nor germ cells Larissa Zarate-Garcia (University of Southampton, UK)	
15:15 – 15:30	O19	Immune cell dynamics in endometrial repair and remodelling Phoebe Kirkwood (Medical Research Council Centre for Inflammation Research, Edinburgh, UK)	
15:30 – 15:45	O20	Maternal High Fat Diet (HFD) in the adult offspring brain modifies cell density and neuronal density Diego Ojeda Pedraza (University of Southampton, UK)	
15:45 – 16:00	Early Career Rep Elections		Stripe Auditorium
15:45 – 16:20	Refreshments		Stripe Studio 1 & 2
SRF Distinguished Scientist Lecture Chair: Tony Michael (Queen Mary University of London, UK)			Stripe Auditorium
16:20 – 17:20	S10	Making a good egg John Carroll (Monash University, Melbourne, Australia)	
19:30 – 20:00	SRF 2016 Pre-dinner drinks reception		
20:00 – 23:30	SRF 2016 Conference Dinner and Awards and Ceilidh		University Dining Hall

Wednesday 13 July 2016		
09:00 – 09:30	Registration	Stripe Foyer
Oral Communications Parallel sessions 3 & 4		
09:30 – 11:00	Oral Communications 3 – Environmental and programming effects on reproduction Chairs: Katie Woad (University of Nottingham, UK) Katarzyna Siemienowicz (University of Edinburgh, UK)	
		<i>Stripe Auditorium</i>
09:30 – 09:45	O22	Role of miRNAs in the hypoxic regulation of human embryonic stem cells Sophia Sander (University of Southampton, UK)
09:45 – 10:00	O23	Paternal low protein diet affects fetal growth, placental development and skeletal formation in mice Adam Watkins (Aston University, UK)
10:00 – 10:15	O24	Maternal protein restriction around conception alters the foetal mouse brain by reducing the neural stem cells and increasing neuronal differentiation during gestation, which might be associated with the adult behavioural deficits Joanna Gould (University of Southampton, UK)
10:15 – 10:30	O25	Maternal dietary protein restriction had no adverse effect on fetal ovarian morphology and germ cell markers on day 65 of gestation in sheep Chinwe Nwachukwu (University of Nottingham, UK)
10:30 – 10:45	O26	Fetal androgens determine adult pancreatic function Mick Rae (Edinburgh Napier University, UK)
10:45 – 11:00	O27	Androgen causes whitening of brown adipose tissue: Implications for PCOS Avi Lerner (Imperial College London, UK)
09:30 – 11:00	Oral communications 4 – Early Development 2 Chairs: Agnieszka Waclawik (Institute of Animal Reproduction and Food Research of Polish Academy of Sciences, Olsztyn, Poland) Roseanne Rosario (University of Edinburgh, UK)	
		<i>Stripe Lecture Room</i>
09:30 – 09:45	O28	The effect of decidual stromal cells on immune cells in the first trimester of pregnancy Laura James-Allan (St George's University of London, UK)
09:45 – 10:00	O29	The role of integrin AVB6 in the regulation of foetal growth in pigs Apiwat Moolnangdeaw (The Roslin Institute, Edinburgh, UK)
10:00 – 10:15	O30	Different mechanism of lipid accumulation in embryoblast and trophoblast cells trigger by lipid excess Maria Schindler (Martin-Luther-University Halle-Wittenberg, Germany)
10:15 – 10:30	O31	Ontogeny of molecular transporters in the human placenta Natasha Walker (University of Aberdeen, UK)
10:30 – 10:45	O32	The target organs of human placental micro- and nano-vesicles Larry Chamley (The University of Auckland, New Zealand)
10:45 – 11:00	O33	Spermbots: Magnetic microrobots that assist sperm cells on their journey, opening new routes to assisted reproduction Lukas Schwarz (Leibniz Institute for Solid State and Materials Research, Dresden, Germany)

11:00 – 11:15	Refreshments	
11:15 – 12:45	Symposium 3: Risks and opportunities in wildlife reproduction Chair: Richard Lea (University of Nottingham, UK) <p style="text-align: right;"><i>Stripe Auditorium</i></p>	
11:15 – 11:45	S11	Contraception in domestic animals Angelika Von Heimendahl (Veterinary Reproduction Service, Cambridge, UK)
11:45 – 12:15	S12	Molecular mechanisms of reproductive disruption in fish Euarda Santos (University of Exeter, UK)
12:15 – 12:45	S13	Novel technologies in screening zoo and exotic animals Thomas Hildebrandt (Leibniz Institute for Zoo and Wildlife Research, Berlin, Germany)
12:45 – 12:50	SRF 2016 Closing remarks Franchesca Houghton (University of Southampton, UK) <p style="text-align: right;"><i>Stripe Auditorium</i></p>	