SCIENTIFIC PROGRAMME

Day 1 - Wednesday 1st September 2010

3.30 - Registration

 5.30 pm
 Informatics Forum, 10 Crichton Street (NE corner of George Square)

 6.00 - Welcome Reception

 The Royal Society, 22-26 George Street (at corner of Hanover Street). Introduction by Jonathan Seckl Special Guest: Dr Harry Burns (Chief Medical Officer for Scotland).

Day 2 - Thursday 2nd September

08.45 am	Welcome John Russell and Alison Douglas (Local Organising Committee)				
09.00 am	Plenary I (PL1): Co-adaptive development of brain and placenta Barry Keverne (University of Cambridge, UK) Chair: Megan Holmes (University of Edinburgh)				
10.00 am	Coffee/tea				
10.30 am	Poster Data-blitz I See page 13 for Data Blitz programme Chairs: Oliver Bosch (University of Regensburg, Germany) Cheryl Frye (SUNY Albany, USA)				
11.30 am	Poster Session I				
1.00 pm	Lunch				
2.00 pm	Symposium I: Maternal adaptations in pregnancy and lactation A: Pregnancy Chairs: Luz Torner (IMSS, Mexico)				
	David Slattery (University of Regensburg, Germany)				
2.00 pm	S1.1: Changes in spatial memory, anxiety and monoamines during and after pregnancy Abbe Macbeth (NIMH, Bethesda)				
2.25 pm	S1.2: The role of pregnane neurosteroid formation in reproductive endocrine function and pregnancy Cheryl Frye (SUNY Albany, USA)				
2.50 pm	S1.3: Suppressed responses to anorectic hormones and neuropeptides during pregnancy Sharon Ladyman (University of Otago, New Zealand)				

	Oral Communications 1
3.15 pm	OC1: Facilitation of predation in the pregnant and maternal rat: paradoxical behavioral enhancements in the increasingly ungainly female Kinsley C (University of Richmond, USA)
3.30 pm	OC2: Hypothalamic mechanisms mediating inhibition of prolactin secretion following stress in early pregnancy Parker VJ (University of Edinburgh, UK)
3.45 pm	Coffee/tea
4.15 pm	Symposium I: Maternal adaptations in pregnancy and lactation B: Lactation Chairs: Cathy Dwyer (Scottish Agricultural College, UK). Karen Bales (University of California at Davis, USA)
4.15 pm	S1.4: Neuroprotective effects of lactation against excitotoxicity in the hippocampus of the rat Teresa Morales (UNAM, Mexico)
4.40 pm	S1.5: Lactation-induced inhibition of kisspeptin and neurokinin B in the hypothalamus: role of leptin and insulin M Susan Smith (Oregon National Primate Research Center, USA)
5.05 pm	S1.6: Oxytocin and the neurobiology of mother-infant attachment Lane Strathearn (Baylor College of Medicine, USA)
	Oral Communications II
5.30 pm	OC3: Functional role of ghrelin during lactation Abizaid, A. (Carleton University, Canada)
5.45 pm	OC4: Neural proliferation in the olfactory system and the hippocampus is down-regulated by parturition and interactions with the young in sheep mother Levy, F. (INRA, France)
6.00 pm	Close of Day 1
Evening	Free to explore Edinburgh

Day 3 – Friday 3rd September

9.00am	Plenary II (PL2): Estrogen regulation of individual differences in maternal behaviour: Mediation by oxytocin and brain-derived neurotrophic factor Micheal Meaney (McGill University, Canada) Chair: Jonathan Seckl (University of Edinburgh, UK)			
10.00 am	Coffee/tea			
10.30 am	Poster Data-blitz II See page 14 for Data Blitz programme Chairs: Kevin O'Byrne (Kings College, London, UK) James Curley (Columbia University, USA)			
11.30 am	Poster Session II			
1.00 pm	Lunch			
2.00 pm	Symposium II: Early Life Programming A: Pregnancy and prenatal effects on programming Chairs: Alison Fleming (University of Toronto, Canada) Emilie Rissman (University of Virginia, USA)			
2.00 pm	S2.1: Impact of prolactin-induced neurogenesis in the maternal brain during pregnancy on post partum mood and behaviour Caroline Larsen (University of Otago, New Zealand)			
2.25 pm	S2.2: Fetal programming of the stress response: transgenerational consequences Stephen Matthews (University of Toronto, Canada)			
2.50 pm	S2.3: Maternal prenatal liquorice consumption and developmental outcomes in their offspring Katri Raikkonen (University of Helsinki, Finland)			
	Oral Communications III			
3.15 pm	OC5: Sex differences in prenatally programmed anxiety behaviour and corticotropin releasing hormone (CRH) receptor mRNA expression in the amygdala in rats Brunton PJ (University of Edinburgh, UK)			
3.30 pm	OC6: Prenatal anxiety and the human placenta O'Donnell K (Imperial College London, UK)			
3.45 pm	Coffee/tea			
4.15 pm	Symposium II: Early life programming B: Postnatal origins of programming Chairs: Aldo Lucion (Universidade Federal do Rio Grande do Sul, Brazil) Barbara Woodside (Concordia University, Montreal, Canada)			
4.15 pm	S2.4: Epigenetic programming of the neuroendocrine stress system Chris Murgatroyd (MPI, Germany)			

4.40 pm	S2.5: Hippocampal corticosteroid- and serotonin-receptor changes in adolescent marmoset monkeys that experienced parental separation in infancy Christopher Pryce (Psychiatric University Hospital, Switzerland)				
5.05 pm	S2.6: Prenatal stress alters brain programming thereby diminishing gender differences in hippocampal gene expression and sexual dimorphic behaviour Marta Weinstock (Hebrew University, Israel)				
	Oral Communications IV				
5.30 pm	OC7: Effects of early life social deprivation on behavioural motivation in the context of reward and reward-related cues Lomanowska AM (University of Toronto, Canada)				
5.45 pm	OC8: Breastfeeding under stress due to a natural disaster affects children's hippocampus, stress response and behavior King S (McGill University, Canada)				
6.00 pm	Close of Day 2				
Evening	Conference Dinner and Ceilidh Chair. Dave Grattan (University of Otago, New Zealand) The Balmoral Hotel, 1 Princes Street (junction with North Bridge). Dinner speaker. Maternal memory: motherhood and beyond Robert Bridges (Tufts University, USA)				
Day 4 – Sa	Day 4 – Saturday 4 th September				
8.30 am	Symposium III: Perinatal influence on mental health A: Maternal effects				
	Chairs: Sue Carter (University of Illinois, Chicago, USA)] lan Jones (Cardiff University, UK)				
8.30 am	S3.1: Gestational stress influences maternal and child emotional regulation and cognition Curt Sandman (UC Irvine, USA)				
8.55 am	S3.2: Genetics and post-natal triggering of mood disorder and psychosis Nick Craddock (University of Cardiff, UK)				
9.20 am	S3.3: Effects of peri-natal SSRI exposure on neurodevelopment and the HPA system of the mother and child Jodi Pawluski (Maastricht University, The Netherlands)				
	Oral Communications V				
9.45 am	OC9: Fertility and prenatal attitudes towards pregnancy in women with eating disorders: Results from the Avon longitudinal study of parents and children Easter A (Kings College London, UK)				
10.00 am	OC10: Towards a better understanding of mother's mental health: Effects of chronic stress on peripartum adaptations Hillerer K (University of Regensburg, Germany)				

10.15 am	Coffee/tea		
10.45 am	Symposium III: Perinatal influence on mental health B: Offspring effects Chairs: K Nishimori (Tohoku University, Japan) V. Glover (Imperial College, UK)		
10.45 am	S3.4: Early but post-perinatal exposure to stress – a model of childhood trauma Gal Richter-Levin (University of Haifa, Israel)		
11.10 am	S3.5: Childhood trauma and adult psychopathology: role of the central oxytocin system? Christine Heim (Emory University, USA)		
11.35 am	S3.6: Biological embedding of adverse childhood experiences: relevance to adult medical illness Andrea Danese (Kings College London, UK)		
	Oral Communications VI		
12.00 pm	OC11: Entorhinal cortex-specific disruption of gamma frequency oscillation in cross-fostered rodents Hall SP (Newcastle University, UK)		
12.15 pm	OC12: 11 beta-HSD2-/- mice exhibit depressive-like behaviour and altered serotonergic and dopaminergic pathways within the brain Wyrwoll CS (University of Edinburgh, UK)		
12.30 pm	Lunch		
1.30 pm	Symposium IV: Parental behaviour A: Maternal behaviour Chairs: Joe Lonstein (Michigan State University, USA) James Swain (University of Michigan, USA)		
1.30 pm	S4.1: Long-term modulation of maternal care by cocaine: fMRI studies in the rat Marcello Febo (Northeastern University, USA)		
1.55 pm	S4.2: The neural circuitry underlying the motivated choice between pup- and cocaine-conditioned incentives by postpartum female rats Mariana Pereira (Rutgers University, USA)		
2.20 pm	S4.3: Development of mutual mother-young attachment in sheep: from behaviour to brain Raymond Nowak (INRA, France)		
	Oral Communications VII		
2.45 pm	OC13: The development of olfactory recognition is delayed in sheep genotypes which display less maternal care at parturition Dwyer C (Scottish Agricultural College, UK)		
3.00 pm	OC14: Maternal aggression in the rat: links to brain oxytocin and vasopressin Meddle SL (University of Edinburgh, UK)		
3.15 pm	Coffee/tea		

3 3 3		3.45 pm	Symposium IV: Parental behaviour B: Paternal behaviour Chairs: Frances Champagne (Columbia University, USA) Katherine Wynne-Edwards (University of Calgary, Canada)
3	(3.45 pm	S4.4: Parenting-induced neuroplasticity in male Peromyscus californicus Catherine Franssen (Randolph Macon College, USA)
<pre>nnnnnnnnnn</pre>	4:25	4.10 pm	S4.5: Impact of paternal care on prefronto-limbic development in degus (Octodon degus) Anna Katharina Braun (Otto von Guericke University Magdeburg, Germany)
3		4.35 pm	S4.6: Neurobiology of incubation behaviour in birds Peter Sharp (Roslin Institute, UK)
3	2		Oral Communications VIII
3		5.00 pm	OC15: Emotion regulation circuits in the parental brain affected by timing, sex, mood and behaviour Swain J (University of Michigan, USA)
=		5.15 pm	OC16: Neural regulation of mouse parental behaviour based on its social experiences
\Rightarrow			Kuroda K (Riken Brain Science Institute, Japan)
3 3 1		5.30 pm	Plenary III (PL3): Maternal stress transgenerational programming of offspring stress responsivity Tracy Bale (University of Pennsylvania, USA Chair: Alison Douglas (University of Edinburgh, UK)
3		6.30 pm	Close of Meeting and Notice of Next Meeting