THE UNIVERSITY of EDINBURGH

MRC Centre for Reproductive Health

espbc

3rd European Spontaneous Preterm Birth Congress

'One Problem, One Congress, One Session at a Time'

16th – 18th May 2018

John McIntyre Conference Centre, Edinburgh EH16 5AY

Provisional Programme

DAY 1, Wednesday 16th May 2018 – Tea/Coffee available from 08:00	
08:00 – 09:00	Registration
09:00-09:10	Opening of Congress
09:10-09:40	**KEYNOTE LECTURE:** Chair: Dr Alastair Campbell, NHS Lothian, UK *Genetics of Spontaneous Preterm Birth*, Professor Bo Jacobsson, University of Gothenburg, Sweden
09:40-10:10	*Refreshment Break*
PREBIC GLOBAL SESSION Chairs: Professor Zarko Alfirevic University of Liverpool, UK, and Dr Joshua Vogel, World Health Organisation, Geneva, Switzerland	
10:10-10:40	*In Utero Bacterial Sensing and Spontaneous Preterm Birth* Professor Kristina Adams Waldorf, University of Washington, USA
10:40-11:10	*Clinical Trials in Spontaneous Preterm Birth* Professor Cynthia Gyamfi-Bannerman, Columbia University Medical Center, USA
11:10-11:40	*Epigenomics of Spontaneous Preterm Birth* Professor Nanbert Zhong, New York State Institute for Basic Research in Developmental Disabilities, USA
11:40-12:10	*New Predictors of Preterm Birth* Professor Thomas McElrath, Harvard Medical School, USA
12:10-13:10	*Lunch available*
12:15-13:05	***Prediction of Preterm Birth*** ***Sera Prognostics Sponsored Lunchtime Symposium***
13:10-13:40	**KEYNOTE LECTURE:** Chair: Dr Kirsty Dundas, NHS Lothian, UK *Anti-inflammatory Targets for Prevention of Spontaneous Preterm Birth*, Professor Jane Norman, University of Edinburgh, UK
13:40-13:55	Free Communication: **LATE BREAKING ABSTRACT TBC**
13:55-14:10	Free Communication: **LATE BREAKING ABSTRACT TBC**

14:10-14:20	*Comfort Break*
PERSONALISED PREDICTION OF SPONTANEOUS PRETERM BIRTH Chairs: Professor Khalid Khan, Barts and the London School of Medicine and Dentistry, UK and Prof James Martin, University of Mississippi, USA	
14:20-14:50	*Cervical Spectroscopic Techniques for the Prediction of Spontaneous Preterm Birth – Recent Advances* Professor Dilly Anumba, University of Sheffield, UK
14:50-15:20	*Cervical length: insufficient by itself, and the need for multiple therapies* Professor Vincenzo Berghella, Thomas Jefferson University. Philadelphia, USA
15:20-15:50	*Beyond Who's Who. Assessing Microbiota: Host Interactions and their Implications on Preterm Birth* Dr David MacIntyre, Imperial College London, UK
15:50-16:20	*Refreshment Break*
FREE COMMUNICATIONS Chairs: Dr Devender Roberts, Liverpool Women's NHS Foundation Trust, UK and Professor James Boardman, University of Edinburgh, UK	
16:20-16:35	Free Communication: **A Systems Biology Approach to Characterize the Maternal Serum Proteome in Pregnancies with Normal, Preterm and Other Adverse Pregnancy Outcomes** Mike Gravett, University of Washington School of Medicine, Seattle, WA, USA.
16:35-16:50	Free Communication: **Vaginal Progesterone Improves Outcomes with Short Cervix and Cervical Cerclage – A retrospective cohort study** Penny Sheehan, Pregnancy Research Centre, Royal Women's Hospital, Melbourne, Victoria, Australia
16:50-17:05	Free Communication: **Rapid Mucosal Metabolome Profiling by Desorption Electrospray Ionization MS (DESI-MS) for Prediction of Preterm Pre-labour Rupture of Membranes (PPROM)** Dr David MacIntyre, Imperial College London, London, UK (on behalf of Holly Lewis).
17:05-17:45	**KEYNOTE LECTURE:** Chair: Dr Natalie Suff, University College London, UK *Ontogeny of the Intestinal Host-Microbial Interaction*, Professor Mathias Hornef RWTH University Aachen, Germany.
17:45-18:00	*Welcome event and introduction from Dr Catherine Calderwood, Chief Medical Officer for Scotland*
18:00-21:00	*Drinks reception and Poster Viewing and Judging*
DAY 2, Thursday 17th May 2018 - Tea/Coffee available from 08:00	
08:30-09:10	**KEYNOTE LECTURE:** Chair: Jenny Carter, King's College London, UK *Core Outcomes for Spontaneous Preterm Birth -* Professor Zarko Alfirevic, University of Liverpool, UK
09:10-09:40	**PANEL DISCUSSION: Research Needs for Targeting Preterm Birth** Chair: Dr Katie Morris, University of Birmingham, UK *Representatives (TBC) from major funders and organisations involved in preterm birth research*
09:40-10.20	***Refreshment Break and Tommy's Centre for Maternal and Fetal Health 10th***

	Birthday Celebrations
PRIMARY PREVENTION OF PRETERM BIRTH Chairs: Professor Cynthia Gyamfi-Bannerman, Columbia University Medical Center, USA and Professor Thomas McElrath, Harvard Medical School, USA	
10:20-10:50	*Obesity and Preterm Birth* Dr Christina Vinter, Odense University Hospital, Denmark.
10:50-11:20	*Midwife Continuity Models to Reduce Spontaneous Preterm Birth* Dr Mary Ross-Davie, Royal College of Midwives Director for Scotland, UK
11:20-11:50	*Aspirin for All to Prevent Preterm Birth – What is the Evidence?* Professor Fionnuala McAuliffe, University College Dublin, Ireland
11:50-12:20	*Immediate Long Acting Reversible Contraception to Reduce Spontaneous Preterm Birth* Dr Rebecca Heller, NHS Lothian, UK
12:20-13:20	*Lunch available*
12:25-13:15	***Systematic Review of Biomarkers for Preterm Birth Diagnosis*** ***Partosure Sponsored Lunchtime Symposium***
13:20-14:00	**KEYNOTE LECTURE:** Chair: Dr Shona Cowan, NHS Lothian, UK *The Role of Placental Dysfunction in the Aetiology of Preterm Birth* Professor Gordon Smith, University of Cambridge, UK
ENVIRONMENTAL, BEHAVIOURAL AND PSYCHOSOCIAL INFLUENCES ON PRETERM BIRTH Chairs: Dr David MacIntyre, Imperial College, London and Professor Neena Modi, Imperial College London, UK	
14:00-14:30	*Stress and Spontaneous Preterm Birth* Professor David Olson, University of Alberta, Canada
14:30-15:00	*UV Exposure and Spontaneous Preterm Birth* Dr Lauren Megaw, University of Western Australia
15:00-15:30	*Spontaneous Preterm Birth in LMICs* Dr Joshua Vogel, World Health Organisation, Geneva, Switzerland
15:30-16:00	*Refreshment Break*
I-SPY YOUNG INVESTIGATOR SESSION Chairs: Dr Sara van Boeckel and Dr Yannis Pavlidis, University of Edinburgh, UK	
16:00-16:30	I-SPY presentation
16:30-16:45	Free Communication: **The Associations of Depressive Symptoms and Clinical Depression with Systemic Inflammation and Repeat Preterm Birth in the Philadelphia Collaborative Preterm Prevention Project** Patrick Steizl, Katholisches Marienkrankenhaus, Hamburg, Germany (Young Investigator)
16:45-17:00	Free Communication: **Co-culture of uterine myocytes and human fetal membrane explants promote inflammatory amplification and uterine transition** Kelycia B. Leimert, University of Alberta, Edmonton, Alberta, Canada. (Young Investigator)
17:00-17:15	Free Communication:

	Planned Delivery Route Of Preterm Breech Singletons and Neonatal and 2-year Outcomes: the EPIPAGE-2 National Population-Based Cohort. Elsa Lorthe, Paris Descartes University, Paris, France. (Young Investigator)
17:15-17:30	Free Communication: **Child Outcomes After Placement of Cervical Pessary in Women With a Multiple Pregnancy: A 4 Year Follow-Up of the ProTWIN Trial** Noor Simons, Academic Medical Centre (AMC), Amsterdam, The Netherlands. (Young Investigator)
19:00 - late	*Social event*
DAY 3, Friday 18th May 2018 - Tea/Coffee available from 08:00	
09:00 - 09:40	**KEYNOTE LECTURE:** Chair: Dr Claire Alexander, NHS Lothian *Cervicovaginal Microbial Communities and Spontaneous Preterm Birth* Professor Michal Elovitz, University of Pennsylvania, USA
IMPLICATIONS OF PRETERM BIRTH Chairs: Professor Mathias Hornef, RWTH University Aachen, Germany and Dr Mary Ross-Davie, Royal College of Midwives Director for Scotland, UK	
09:40 – 10:10	*Metabolic Outcomes after Preterm Birth* Professor Neena Modi, Imperial College London, UK
10:10-10:40	*Impact of Preterm Birth on Cardiovascular Development* Professor Paul Leeson, University of Oxford, UK
10:40-11:10	*Brain Outcomes after Preterm Birth* Professor James Boardman, University of Edinburgh, UK
11:10-11:40	*Refreshment Break*
11:40-12:20	**KEYNOTE LECTURE:** Chair: Dr Nigel Simpson, University of Leeds, UK *Racial Disparities and Spontaneous Preterm Birth* Professor Tracy Manuck, University of North Carolina, USA
12:20-13:20	*Lunch available*
	Lunchtime symposia TBC
CONTROVERSIES – ANTENATAL CORTICOSTEROIDS Chair: Professor Gordon Smith, University of Cambridge, UK	
13:20-14:00	*Use of Antenatal Corticosteroids: too much of a good thing?* Dr Sarah Stock, University of Edinburgh, UK and Dr Devender Roberts, Liverpool Women's NHS Foundation Trust, UK
14:00-14:10	Announcement of next meeting and close of Congress Prof Jane Norman, University of Edinburgh, UK