



Diagnostics





## Action on Pre-eclampsia Expert Meeting 2018

# Hypertension in Pregnancy

Wednesday May 23rd 2018

The Henry Wellcome Auditorium 183 Euston Road, London NW1 2BE

9:00 9:30	<i>Coffee and refreshments, opportunity for networking in The Williams Lounge Joint Chairs Prof Andrew Shennan, Prof Jimmy Walker, Marcus Green</i>	
09:30	<b>Welcome and Introductions</b>	<b>Professor Andrew Shennan OBE</b> Professor of Obstetrics Clinical Director South London CRN
09:35	<p>PARROT Trial</p> 	<p><b>Dr Kate Duhig</b> NIHR Academic Clinical Fellow</p> <p><b>Professor Lucy Chappell</b> Consultant Obstetrician and NIHR Research Professor, Guys and St Thomas</p>
10:10	<b>Pre-eclampsia and Microbial infections</b>	<p><b>Professor Louise Kenny</b> Executive Pro-Vice-Chancellor for the Faculty of Health and Life Sciences, University of Liverpool</p> <p><b>Professor Douglas Kell CBE</b> Professor of Bioanalytical Science, University of Manchester</p>
10:50	<p><b>Research ‘taster’ Presentations</b></p> <p><i>Dr Pippa Oakeshott: GP and Professor of General Practice</i> <i>Dr Lydia Leon: Post Doctorate Researcher KCL/UCL Farr Institute</i> <i>Dr Lisa Hinton: Social Scientist, Oxford University</i> <i>Dr Jenny Myers: Senior Lecturer/Consultant Obstetrician University of Manchester/St. Mary's Hospital</i></p>	<p><b>Chair: Professor Lucy Chappell</b> Consultant Obstetrician and NIHR Research Professor, Guys and St Thomas</p>
11:10	<i>Coffee</i>	

11:30	Placental microvesicles: messages to the mother	<b>Professor Chris Redman</b> Emeritus Professor of Obstetric Medicine at Oxford University
12:20	Long-term maternal cardiovascular health after pre-eclampsia	<b>Professor Annetine Staff</b> Professor, Faculty of Medicine, University of Oslo
13:10	<i>Lunch/networking</i>	
13:50	<i>Afternoon Session</i>	
13:50	Discussion forum: Men's Health	'Marcus, Max and Rob'
14:15	Women's views about antihypertensive therapy in pregnancy	<b>Professor Laura Magee</b> Professor of Women's Health, St Thomas' Hospital, London
14:40	COMPARE Study	<b>Professor Andrew Shennan OBE</b> Professor of Obstetrics Clinical Director South London CRN
15:00	CRADLE 3	<b>Dr Nicky Vousden</b> Clinical Research Fellow/CRADLE trial coordinator KCL
	Feedback:  Walker-Redman Scholarship 2017/8 <div style="text-align: center;">  </div>	
15:35	<i>Tea, Coffee &amp; Cake</i>	
15:55	The mother is sent messages, how does she respond?	<b>Professor James Walker</b> Professor of Obstetrics and Gynaecology at the University of Leeds
16:20	Evaluating tests in pre-eclampsia; avoiding treatment paradox	<b>Professor Jim Thornton</b> Professor of Obstetrics and Gynaecology, Nottingham University
16:40	Closing comments	<b>Professor Andrew Shennan OBE,</b> <b>Professor James Walker, Marcus Green</b>

## **Professor Andrew Shennan OBE**

Professor of Obstetrics Clinical Director South London CRN

Professor Shennan OBE is Professor of Obstetrics at King's College London, based at St Thomas' Hospital, UK. He is Clinical Lead of the Maternal and Fetal Research Unit, and specialises in clinical trials in antenatal and intrapartum care. His research interests include interventions to prevent pre-eclampsia, preterm birth and the use of blood pressure monitoring. He chaired the Department of Health Committee on Blood Pressure Monitoring in clinical practice, and sits on the relevant committees for the International Standardisation Organization (ISO) and the British Hypertension Society (BHS). He also advises the World Health Organisation (WHO) on perinatal research. Andy was born in Malawi, grew up in Zimbabwe, and worked as an obstetrician in South Africa. His African roots and clinical experience has inspired his passion for improving global women's health, including the development of the CRADLE VSA. He is the CRADLE VSA device inventor and Chief Investigator. Andy is also Chair of Trustees for Action on pre-eclampsia (APEC).

## **Dr Kate Duhig**

NIHR Academic Clinical Fellow Guys and St Thomas' Hospital

Dr Duhig is an Academic Clinical Research Fellow, at Guys and St Thomas' Hospital. She has been coordinating the PARROT study which is running in many different centres around the UK.

## **Professor Lucy Chappell**

Consultant Obstetrician and NIHR Research Professor, Guys and St Thomas

Professor Chappell is NIHR Research Professor in Obstetrics at King's College London and Honorary Consultant Obstetrician at Guy's and St Thomas' NHS Foundation Trust. She runs a research programme investigating prediction and prevention of adverse pregnancy outcomes, particularly in women with pre-existing co-morbidities such as chronic hypertension and chronic kidney disease, using randomised controlled trials and observational studies. She has subspecialty training in maternal-fetal medicine and a Masters in higher education, supervising higher degree students from obstetric, nephrology and general practice backgrounds. She is an academic editor for PLoS Medicine journal, a member of the NIHR HTA Clinical Evaluation and Trials board, and a committee member for the Blair Bell Research Society, RCOG Maternal Medicine Clinical Studies Group, and the International Society for the Study of Hypertension in Pregnancy council.

## **Dr Pippa Oakeshott GP**

GP and Professor of General practice

Dr Oakeshott is an inner city GP and Professor of General Practice at St George's University of London. Her main research interest is women's health.

## **Dr Lydia Leon**

Post Doctorate Researcher KCL/UCL Farr Institute

Dr Leon is a post-doc researcher trained in pregnancy complications, genetics, and electronic health records (EHR) analyses. Following completion of her PhD that examined the placental microbiome and preterm birth, Lydia is now working on a joint post between Professor Lucy Chappell's group at KCL and Professor JP Casas at the UCL Farr Institute. Their project, which is now in the final stages, uses EHR from over 2 million women to investigate the long term cardiovascular implications of preeclampsia.

## **Dr Lisa Hinton**

Social Scientist, Nuffield Department of Primary Care Health Sciences, Oxford University

Dr Hinton is a social scientist and leads applied research for the Health Experiences Research Group in the Nuffield Department of Primary Care Health Sciences, Oxford University. She is currently working with Professors Richard McManus and Lucy Chappell on the BUMP trial of self-monitoring of blood pressure in pregnancy. She will present aligned work looking at women's understandings and knowledge of BP monitoring in pregnancy.

## **Dr Jenny Myers**

Senior Lecturer/Consultant Obstetrician University of Manchester/St. Mary's Hospital

Dr Myers graduated from Nottingham University in 1997 having completed Bachelor Medical Sciences and Medical degrees. She undertook a senior house rotation in Obstetrics & Gynaecology in Derby and Nottingham and in 2001 moved to Manchester to work as a Clinical Research Fellow in the new Maternal & Fetal Health Research Centre with Professor Phil Baker. Her PhD, completed in 2005, was entitled "Circulating Factors in Pre-eclampsia" and included research focusing on vascular biology and plasma proteomics. She received the William Blair Bell Lectureship in 2009, awarded by the RCOG for outstanding contribution to research in the field of Obstetrics.

Dr Myers completed her clinical training as a Specialist Registrar at St Mary's whilst continuing research related to pre-eclampsia. She was appointed as Consultant Obstetrician/ Clinical Senior Lecturer in April 2011 and was awarded an NIHR Clinician Scientist award in 2012. She continues to combine clinical work with an active research programme spanning basic science, translational and clinical studies. Her clinical interests include the management of diabetes and hypertension in pregnancy and she runs the weekly research clinic: MAViS (Manchester Antenatal Vascular Service) which provides clinical care for women with chronic and pregnancy-related hypertensive disease.

## **Professor Louise Kenny**

Executive Pro-Vice-Chancellor for the Faculty of Health and Life Sciences, University of Liverpool

Professor Kenny was appointed to the role of Executive Pro-Vice-Chancellor for the Faculty of Health and Life Sciences, at the University of Liverpool in January 2018. An alumna of the University's School of Medicine, Louise was previously Professor of Obstetrics and Gynaecology at University College Cork and Consultant Obstetrician and Gynaecologist at Cork University Maternity Hospital. Louise moved to University College Cork in 2006 and took up a post as a Senior Lecturer and Consultant Obstetrician and Gynaecologist at the newly opened Cork University Maternity Hospital where she continued to pursue her long standing clinical and research interest in uteroplacental insufficiency, adverse pregnancy outcome and pregnancy loss. In 2007, Louise was appointed as a Health Research Board Ireland Clinician Scientist. This 4 year award (of €1.6 million) established the Screening for Pregnancy Endpoints (SCOPE) Study ([www.scopestudy.net](http://www.scopestudy.net)), a prospective longitudinal case cohort of pregnancy outcome which also forms part of one of the world's most detailed global pregnancy biobanks. In July 2009, Louise was awarded a Principal Investigator Programme grant from Science Foundation Ireland to develop predictive biomarkers of poor pregnancy outcome. Using the SCOPE cohort, Louise's team and her collaborators have discovered a consistent discriminatory metabolite signature in early pregnancy plasma preceding the onset of preeclampsia.

## **Professor Douglas Kell CBE**

Professor of Bioanalytical Science, University of Manchester

Professor Kell CBE is a British biochemist and Professor of Bioanalytical Sciences in the School of Chemistry at the University of Manchester, based in the Manchester Institute of Biotechnology (MIB). He served as Chief Executive Officer (CEO) of the Biotechnology and Biological Sciences Research Council (BBSRC) from 2008-2013

Professor Kell's primary research interests are in systems biology and computational biology. His most cited peer-reviewed research papers are in functional genomics, metabolomics and the yeast genome. He has also been involved in research to create a robot scientist in collaboration with Ross King, Stephen Muggleton and Steve Oliver as well as several projects in systems biology. Kell's research has been funded by the BBSRC, the Medical Research Council (MRC) and the Engineering and Physical Sciences Research Council (EPSRC).

## **Professor Chris Redman**

Emeritus Professor of Obstetric Medicine, Oxford University

Professor Redman is Emeritus Professor of Obstetric Medicine at Oxford University UK. His research has focused on pre-eclampsia and the placenta. He originated the two stage model of pre-eclampsia and first identified the importance of systemic inflammation in its pathogenesis. With Ian Sargent he discovered circulating syncytiotrophoblast microvesicles whose role in the immunology of pre-eclampsia is still being elucidated. He continues actively working on these interests, which now include the heterogeneity of pre-eclampsia and the different aetiologies of early and late onset disease.

Professor Redman has also worked on computerised analysis of the CTG. He is co-inventor of the Oxford Dawes-Redman system, which was the first of its kind, is sold in many countries and is still the word leader in the field. He is also promoting the development of computerised analysis for fetal heart rate monitoring in labour

## **Professor Annetine Staff**

UiO Consultant and Head of Research Division of Gynaecology and Obstetrics, Oslo University Hospital

Professor Staff combines work as full-time Professor I at UiO (from 2015) and part time as Consultant and Head of Research (from 2016) at the Division of Gynaecology and Obstetrics at Oslo University Hospital. In addition, Annetine Staff is research advisor at the Division of Gynaecology and Obstetrics.

Professor Staff is currently the head of the Research Centre of Obstetrics and Gynaecology (established in 2006 at location Ullevål), leading 13 members of own placenta/pre-eclampsia research group and 17-20 other employees at PhD or senior research level at Oslo University Hospital, Women's Clinic, Department of Obstetrics and Gynaecology.

She has special academic interest in pregnancy biomarkers and health outcome for mother and offspring, molecular understanding of pregnancy complications (including preeclampsia and diabetes) and placental dysfunction.

## **Marcus Green**

CEO, APEC

Marcus has been part time Chief Executive of Action on Pre-eclampsia for two years, he was previously Chief Executive of a hospice, and prior to that CEO of a charity for the visually impaired. He was also a senior manager within a charity for older people and Chief of Staff to a former Secretary of State for Health. Alongside his part time role within APEC he is the non-executive chairman of two companies, trustee of a charity supporting women with anorexia, Chairman of a suicide support charity and runs a management consultancy specialising in supporting leadership teams, trustees and owners of a wide range of businesses and charities. He dabbles in photography and his images have been published in Vogue, Washington Post, Bride Magazine and all points in between.

## **Max Taylor**

APEC Supporter

Max Taylor is an Interventional Cardiology nurse at Hammersmith Hospital in Imperial NHS Trust. He met his partner Jovey, at a European Christian conference in London in 2009. In 2012 Jovey became pregnant and subsequently both her and Eve, their daughter died in her home city of Manila due to eclampsia and inadequate access to care. This led Max to found Hope Springs Ministry which gives women and girls access to maternal care in the Philippines

## **Robert Crussell**

APEC Supporter

Rob Crussell is an engineer from Northampton, married to Kate and father to Theo, who died shortly after birth after Kate developed severe pre-eclampsia at 39 weeks. Rob's final promise to Theo before he died was to raise as much awareness and money for pre-eclampsia as he possibly could, which he has done with a passion. Since Theo died in 2015, Rob, Kate and Theo's little sister Elsie who was born in December 2016, have raised over £30,000 in his memory. Their story can be seen at [www.4theo.co.uk](http://www.4theo.co.uk)

## **Professor Laura Magee**

Professor of Women's Health, St Thomas' Hospital, London

Professor Magee recently joined St Thomas' London, as Professor of Maternal Medicine. She was formerly appointed at St George's London and prior to that, she held a post at the Universities of Toronto and British Columbia, Canada in the Departments of Medicine and Obstetrics and Gynaecology (Division of Maternal-Fetal Medicine) and as a Senior Clinician Scientist at the Child and Family Research Institute. Her work focuses on medical complications of pregnancy, particularly the hypertensive disorders of pregnancy, with an emphasis on antihypertensive therapy for hypertension in pregnancy. She has experience in writing clinical practice guidelines and conducting international collaborative work, including the CHIPS Trial (Control of Hypertension In Pregnancy Study).

## **Dr Nicky Vousden**

Clinical Research Fellow/CRADLE trial coordinator KCL

Dr Vousden is a clinical research fellow at King's College London where she is in the final year of her PhD and acting as trial coordinator of the CRADLE 3 Trial. Prior to this she was an NIHR Academic Clinical Fellow in Obstetrics and Gynaecology. She has also recently completed a NICE scholarship evaluating implementation of the NICE quality standard in pre-eclampsia across South London.

## **Professor James Walker**

Professor of Obstetrics and Gynaecology at the University of Leeds

Professor Walker is Professor of Obstetrics and Gynaecology at the University of Leeds, working in St James University Hospital. His special interest is in High-Risk Obstetrics particularly Early Pregnancy Loss, Pre-eclampsia, Labour Ward Management and Obstetric Emergencies. He is the Obstetric Advisor to the National Patient Safety Agency and is Senior Vice President (International) of the RCOG. He is involved in various charities and advocate groups including APEC. He became a trustee of APEC in 1995 and is the Medical Director of the charity.

## **Professor Jim Thornton**

Professor of Obstetrics and Gynaecology, Nottingham University

Professor Thornton qualified from Leeds University in 1977. He was based at Chogoria mission hospital in Kenya from 1979 to 1983. Since 2001 he has been a Professor of Obstetrics & Gynaecology at Nottingham University. Jim has been actively involved in Research in clinical trials, most recently, induction of labour at 39 weeks for women aged over 35 (35-39 trial). Previously he was editor, European J Obstet Gynecol and British J Obstet Gynecol. Currently chair, Swedish Research Council, Vetenskapsrådet, Clinical Therapy Research Board. He stood for Parliament in Nottingham East 2005, but was unfortunately not successful.