

Curriculum Vitae

Professor Lucilla Poston



Professor Lucilla Poston is Head of the Division of Reproduction and Endocrinology and Director of Maternal and Fetal Research Unit at Kings College London, UK . She graduated in Physiology from University College London and undertook her PhD at London University. After a Senior Lectureship in Physiology, in 1995, she was appointed to Tommy's the Baby Charity Chair of Maternal and Fetal Health at King's College and founded the Maternal and Fetal Research Unit, an interdisciplinary research team investigating pre-eclampsia, pre-term labour and developmental programming of adulthood disease.

Lucilla Poston is an honorary fellow of the Royal College of Obstetricians and Gynaecologists (UK), a Senior Investigator of the National Institutes of Health Research (NIHR) and a Fellow of the Academy of Medical Sciences (UK). Her current research funding portfolio includes grants from the BBSRC (Biotechnology and Biological Sciences Research Council), British Heart Foundation, and NIHR. She has published more 200 original research papers.

Recent Publications.

1. Rajasingam D, Seed PT, Briley AL, Shennan AH, Poston L. A prospective study of pregnancy outcome and biomarkers of oxidative stress in nulliparous obese women. *Am J Obstet Gynecol.* 2009;200: 395.e1-9
2. Baker PN, Wheeler SJ, Sanders TA, Thomas JE, Hutchinson CJ, Clarke K, Berry JL, Jones RL, Seed PT, Poston L. A prospective study of micronutrient status in adolescent pregnancy. *Am J Clin Nutr.* 2009;89:1114-24.
3. Nivoit P, Morens C, Van Assche FA, Jansen E, Poston L, Remacle C, Reusens B. Established diet-induced obesity in female rats leads to offspring hyperphagia, adiposity and insulin resistance. *Diabetologia.* 2009; 53: 1132-42
4. Villar J, Purwar M, Meriardi M, Zavaleta N, thi Nhu Ngoc N, Anthony J, De Greeff A, Poston L, Shennan A on behalf of the WHO Vitamin C and Vitamin E trial group. World Health Organisation multicentre randomized trial of supplementation with vitamins C and E among pregnant women at high risk for pre-eclampsia in populations of low nutritional status from developing countries. *BJOG* 2009; 116: 780 - 788
5. Kirk SL, Samuelsson AM, Argenton M, Dhonye H, Kalamatianos T, Poston L, Taylor PD, Coen CW. Maternal obesity induced by diet in rats permanently influences central processes regulating food intake in offspring. *PLoS One.* 2009 ;4:e5870.
6. Shelley P, Martin-Gronert MS, Rowlerson A, Poston L, Heales SJ, Hargreaves IP, McConnell JM, Ozanne SE, Fernandez-Twinn DS. Altered Skeletal Muscle Insulin Signaling and Mitochondrial Complex II-III linked Activity in Adult Offspring of Obese Mice. *Am J Physiol Regul Integr Comp Physiol.* 2009 297:R675-81.
7. Bruce KD, Cagampang FR, Argenton M, Zhang J, Ethirajan PL, Burdge GC, Bateman AC, Clough GF, Poston L, Hanson MA, McConnell JM, Byrne CD. Maternal high-fat feeding primes steatohepatitis in adult mice offspring, involving mitochondrial dysfunction and altered lipogenesis gene expression. *Hepatology.* 2009;50:1796-808.
8. Samuelsson A-M, Morris A, Igosheva N, Kirk SL, Pombo JMC, Coen CW, Poston L, Taylor PD. Evidence for sympathetic origins of hypertension in juvenile offspring of obese rats. *Hypertension.* 2010;55:76-82.
9. Oben JA, Patel T, Mouralidarane A, Samuelsson AM, Matthews P, Pombo J, Morgan M, McKee C, Soeda J, Novelli M, Poston L, Taylor P. Maternal obesity programmes offspring development of non-alcoholic fatty pancreas disease. *Biochem Biophys Res Commun.* 2010;394:24-28.
10. Nelson S, Matthews P, Poston L. Maternal metabolism and obesity - modifiable determinants of pregnancy outcome.(Review) *Human Reproduction Update,* 2009 Dec 4. [Epub ahead of print].