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Dr David Lissauer PhD MbCHB

Lecturer

Reproduction, Genes and Development

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About

David is a clinical lecturer in Obstetrics and Gynaecology. He combining his academic work with clinical duties as an Obstetrics and Gynaecology registrar at Birmingham Women's Hospital NHS Trust.

David's research interests are maternal immunology and maternal global health.

Qualifications

PhD 2012

MBChB (Honours) 2004

BMedSci (Class I) 2001

Biography

David qualified MBChB with honours from the University of Birmingham in 2004. During his undergraduate studies he received a number of awards including the Vice Chancellor's Prize, the Sir Arthur Thompson Gold Medal, the Ingelby Scholarship for Obstetrics and Gynaecology, the Sir Arthur Thompson Prize and the Sands-Cox scholarship.

He subsequently has completed a Wellbeing of Women funded research training fellowship investigating the maternal cellular immune response to fetal antigens, for which he has been awarded his PhD.

He is currently undertaking combined clinical training and academic work as a Clinical Lecturer.

Prior to his research fellowship David undertook a year of clinical work as a registrar at Queen Elizabeth Central Hospital, Malawi. Research on global maternal health issues continues to be an important interest.

Teaching

- MB ChB course
- 2nd year RED module
- 5th year Obstetrics and Gynaecology module
- GEC programme

Postgraduate supervision

PhD studentship to be advertised investigating ""Villitis of unknown aetiology: a potential process of fetal allograft rejection"

Research

David's research interests are in the field of maternal infection and immunity, the problem of recurrent miscarriage and global maternal health.

Maternal Infection and Immunity: The modulation of the maternal immune response to the fetus is key to successful pregnancy and remains an enigma. David's work investigates the cellular immune response to the fetus during pregnancy and in particular has identified and characterised a functional, maternal T lymphocyte response to fetal antigens during human pregnancy. He is also interested in the interactions of viral infection with maternal immunity and on translating improvements in our understanding of maternal immunology to better care of women with complications of pregnancy.

Recurrent Miscarriage: David is currently investigating the immunological causes of recurrent miscarriage and the immunological effects of potential treatments. He is also studying other placental disorders associated with adverse pregnancy outcome.

Global Health: David is engaged in evidence synthesis of interventions to reduce maternal mortality in low income countries and clinical trials to address the global burden of maternal mortality.

Other activities

Trustee of maternal health charity Ammalife (**www.ammalife.org** (http://www.ammalife.org/))

Coordinator of the Birmingham Women's Hospital – GoGo Chatinkha Maternity Unit, Malawi Hospital Link

Publications

Lissauer D, Piper K, Goodyear O, Kilby MD, Moss PAH. Fetal-specific CD8+ cytotoxic T cell responses develop during normal human pregnancy and exhibit broad functional capacity. **Journal of Immunology**, (2012), June 8 (e pub ahead of print).

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Lissauer D, Piper KP, Moss PAH, Kilby MD. Persistence of fetal cells in the mother: friend or foe? **BJOG**. (2007), 114 (11):1321-5.

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