

## Staff Profile

### **Dr Lynette Kilpatrick, PhD**

Research Officer

Lynette Kilpatrick received her PhD in 2000 from Monash University (in collaboration with PHIMR) on the subject of "ETS in the human endometrium: mediators of progesterone repression of matrix metalloproteinase-1". She then took up a 3 year post-doctoral position at the University of East Anglia in Norwich, UK before returning to PHIMR in January 2005. Her current research is a Schering funded project investigating the role of inhibiting proprotein convertases on endometrial decidualisation and the potential of this approach as a novel contraceptive.

### **Dr Christine White, PhD**

Research Officer

Christine completed her PhD in the Uterine Biology Group in 2005, examining the role of the cytokine interleukin-11 in preparing the endometrium for pregnancy. She is now investigating whether blocking interleukin-11 and a related cytokine, leukemia inhibitory factor, could be a potential contraceptive strategy. She has a strong interest in the role of cytokines in embryo implantation, and their use as contraceptive targets.

#### Publications:

- White CA, Dimitriadis E, Sharkey AM and Salamonsen LA (2005) Interleukin-11 inhibits expression of insulin-like growth factor binding protein-5 mRNA in decidualizing human endometrial stromal cells. *Molecular Human Reproduction* 11: 649-658.
- Dimitriadis E, White CA, Jones RL and Salamonsen LA (2005) Cytokines, chemokines and growth factors in endometrium related to implantation. *Human Reproduction Update* 11: 613-630.
- White CA and Salamonsen LA (2005). A guide to issues in microarray analysis: application to endometrial biology. *Reproduction* 130: 1-13.
- White CA, Robb L and Salamonsen LA (2004). Uterine extracellular matrix components are altered during defective decidualization in interleukin-11 receptor alpha deficient mice. *Reproductive Biology and Endocrinology* 2: 76.
- White CA, Johansson M, Roberts CT, Ramsay AJ and Robertson SA (2004). Effect of interleukin-10 null mutation on maternal immune response and reproductive outcome in mice. *Biology of Reproduction* 70: 123-131.
- Brasted M, White CA, Kennedy TG, Salamonsen LA (2003). Mimicking the events of menstruation in the murine uterus. *Biology of Reproduction* 69: 1273-1280.
- Roberts CT, White CA, Weimer NG, Ramsay AJ and Robertson SA (2003). Altered placental development in interleukin-10 null mutant mice. *Placenta* 24 Supplement A Trophoblast Research 17: S94-S99.