



The Women and Infants Health Research Laboratories

The WIHR Laboratories are located on the second floor of King Edward Memorial Hospital in the School of Women's and Infants' Health (University of Western Australia). They support both clinical and basic research undertaken through the Foundation, the Hospital and the University, and also provide additional analytical facilities for research conducted in the Perinatal Research Laboratories on the UWA campus in Crawley. Over the past year the laboratories have supported the research of four Professors, one Associate Professor, three Lecturers/Senior Lecturers, one visiting Fellow, two Research Assistants, three Research Midwives, four PhD students and four Honours students.

The running and maintenance costs of the Laboratories are funded by WIRF. Financial support is also received from Lions WA which provides funds on an annual basis for the purchase of essential laboratory equipment.

Research highlights

- Purchasing of a BD Accuri™ C6 Flow Cytometer via a grant from Channel 7 Telethon Trust
- Purchasing of a QuantStudio 6 Flex real-time PCR System with 384-well plate block to enable PCR array studies to be conducted in the laboratory
- Completion of two BMedSci Hons projects achieving 1st class Hons and the awarding of an MPhil degree.

Research achievements

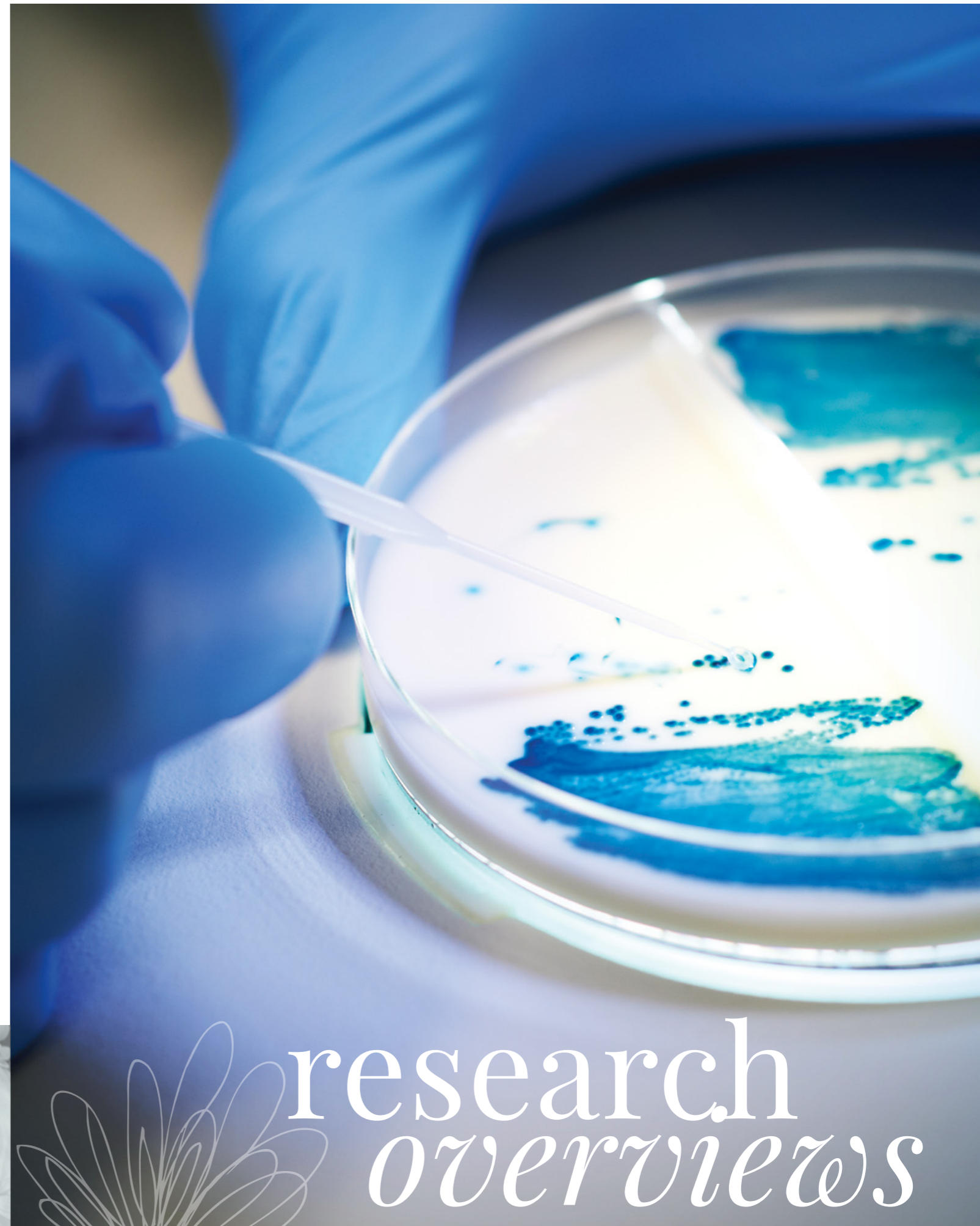
- 22 publications in leading international journals
- Immunoblotting analysis of placental tissues and maternal serum to identify markers of risk of preterm birth
- Analysis of TSH levels in 660 cord blood samples from the Raine Study
- Use of PCR Array technology to profile over 800 microRNAs in a set of 40 mid-pregnancy amniotic fluid samples
- Flow cytometry analysis of maternal T cells in women with *Ureaplasma* colonisation

Prof Jeffrey Keelan
Head of Laboratories



Prof Jeffrey Keelan
Assoc/Prof Craig Pennell
Dr Rhiannon Halse
Dr Demelza Ireland
Dr Matt Kemp
Dr Shaofu Li
Dr Matt Payne
Dr Kamali Pugazhenti
Dr Jian Xiao
(GuangXi University, CHINA)

Ms Joan Leon
Ms Alana De Luca
Ms Pearl Ng
Ms Georgia Paverly
Mrs Narisha Pendelton
Mrs Blagica Penova-Veselinovic
Ms Lisa Stinson
Ms Melanie Walls
Mrs Melanie White



research
overviews