

Name: SAVITA

KURUP

Introduce yourself in a brief paragraph:

Dr. Savita Kurup received MSc in Bioscience (Biotechnology), MPhil in Bioscience (Biochemistry) and a PhD in Zoology from the University of Pune. After successful completion of her PhD work (pancreas biology), carried out mainly at the National Center for Cell, she continued training in the field of angiogenesis investigating the function of *Lrp5* in vascular regression of eyes during development at the department of pediatric ophthalmology, Children's Hospital Research foundation, Ohio, , where she worked with Prof. Richard A lang. She then went on to Sydney, Australia to work with Prof. Richard P Harvey where she had opportunity to head a project at Victor Chang Cardiac Institute, Sydney, from 2003–2005 entailing screening of various knockout mice for defects in skeletal muscle adaptation and repair. She then worked with A/Prof Stephen Twig as Senior Hospital Scientist at Royal Prince Alfred Hospital, Sydney to understand the effects of Type I diabetes on angiogenesis in wound healing. Before joining the Royal Hospital for Women, Sydney, Dr. Kurup has been working with Prof. Bernie Tuch at the University of New South Wales where she pursued her research interests in Development of Immortalized cell line derived from human fetal pancreatic duct cells as insulin-producing surrogate β -cells.

Dr Savita Kurup's research in this laboratory is focused on understanding trophoblast biology and its role in development of placenta. Dr. Kurup's research has two major objectives: 1. This arm investigates signalling and transcriptional mechanisms of pro- and anti-inflammatory cytokine-dependent gene expression, that modify cell behaviour in myriad of pregnancy disorders. 2. She works with human CVS, placenta as well as human fetal cells to gather information that would help us better understand the cell-cell and cell-matrix interactions, which are involved in cellular development of normal trophoblast cells.