



Project Title: What triggers kidney cyst formation in autosomal dominant polycystic kidney disease?		Code: WIMR4
Host School / Institute: Westmead Institute for Medical Research		Address: 176 Hawkesbury Rd, Westmead
Certificates & Clearances required: No		
Primary Supervisor: A/Prof Gopi Rangan		
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Co-Supervisor/team: Dr. Annette Wong and Dr. Sayan Saravanabavan		
Project Type: Design; Laboratory based; Clinical		
Project Category: Genetics; Chronic Diseases/Illness		
Skills / Attributes of a successful student: Diligence, interest and enthusiasm		
Project Keywords: Genetics; Kidney; Cyst; Design Thinking; Molecular		
Project Description: Autosomal dominant polycystic kidney disease is the most common genetic cause of kidney failure. It is characterised by the childhood-onset of kidney cysts which grow slowly and lead to kidney failure by the 4th decade. However, it is not yet clear what triggers the formation of kidney cysts. This project will involve being a member of a design thinking team for novel ideation and initial molecular evaluation.		