



Project Title: Identifying the causes of Structural Kidney Disease		Code: CHW4
Host School / Institute: Children's Hospital at Westmead Clinical School		Address: Centre for Kidney Research, Children's Hospital at Westmead
Certificates & Clearances required: Yes *Working with children clearance <i>Information on how to obtain certificates, where necessary, will be given to successful applicants.</i>		
Primary Supervisor: Prof Stephen Alexander		
Phone: 02 9845 3408	Email: stephen.alexander@health.nsw.gov.au	
Co-Supervisor/team: The research team comprises two senior scientists, two research assistants and an honours student.		
Project Type: Laboratory based; Clinical; Data Analysis		
Project Category: Nephrology/Urology		
Skills / Attributes of a successful student: Understanding of gene therapy and kidney disease		
Project Keywords: structural kidney disease; CGH arrays; genes and analysis		
Project Description: Currently we see a large number of children with structural kidney disease. In many this has no effect but in around 25% of children developing kidney failure it has an important role. We aim to define families with inherited structural kidney disease and analyse the underlying cause using sequencing, and CGH arrays. This project has already defined a number of potential genes and analysis of these will be done by PCR by the student.		