



Project Title: Using AAV to modify the immune system		Code: CHW6
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 3430	Email: stephen.alexander@health.nsw.gov.au	
Co-Supervisor/team: Research team comprises of two senior scientists, two research assistants and an honours student.		
Project Type: Laboratory based		
Project Category: Nephrology/Urology		
Skills / Attributes of a successful student: Understanding of gene therapy.		
Project Keywords: AAV; Kidney; Gene therapy; Genetic disease		
Project Description: Hypothesis: that specific genes can direct immune and renal function. Plan identification of potential genes. Development of an AAV vector with appropriate promoter for delivery to immune cells or renal tissue. Cloning and expansion of vector. Transfection of cells Confirmation by RTPCR.		