

Project Title: Effect of positive pressure on primary nasa epithelial cells		al	Code: WOOL1
Host School / Institute: Woolcock Institute of Medical Research		Address: Woolcock Institute of Medical Research, 431 Glebe Point Rd, Glebe, NSW	
Certificates & Clearances required: Yes *	Vaccination Certificate		
Information on how to obtain certificates, where necess	ary, will be given to successful appl	licants.	
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Co-Supervisor/team: Professor Ron Gruns	tein		
Project Type: Laboratory based; Laboratory	v based		
Project Category: Respiratory; Sleep Medic	cine		
Skills / Attributes of a successful student	: Cell culture, Developmenta	al biology, P	CR and ELISA
Project Keywords: Nasal Epithelial cells; Po	ositive pressure; Inflammatic	on; microbio	me
Project Description: Nasal continuous positive treating moderate-to-severe obstructive slees substantial improvement in quality of life and Among the side effects caused by CPAP, un particularly prevalent and can significantly comain mechanism responsible for the nasal sitic compliance.	p apnoea (OSA). Its use has l somnolence. The major clir idesirable nasal symptoms s ompromise compliance. The ide effects of CPAP in OSA	s been conv nical challen uch as cong refore, furtho patients is ir	incingly associated with ge however is CPAP side effects gestion, dryness or rhinorrhea are er investigation to elucidate the mportant to increase patient
epithelial cells. In this study, we want to expl effects of CPAP in OSA patient which is impo	ore underlying mechanisms	and inflamn	natory nature of the nasal side