

<b>NAME</b> <b>Annemarie Hennessy</b>	<b>POSITION TITLE</b> Professor – Medicine
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<b>EDUCATION/TRAINING</b>			
Institution and Location	Degree (If Applicable)	Year(s)	Field of Study
University of Queensland, Australia Royal Australasian college of Physicians University of Sydney, Australia University of Sydney and University of New South Wales	MD FRACP PhD MBA	1980-1985 1986-1991 1992-1997 200-2003	Medicine Nephrology Preeclampsia – Cardiovascular Physiology Business Administration

**RESEARCH AND PROFESSIONAL EXPERIENCE:**

**Professional Positions**

1986-1987	Intern and resident, Townsville General Hospital including primary care on island aboriginal community, Palm Island for 6 months.
1988-1991	Nephrology trainee, Royal Prince Alfred Hospital. Experience in the biggest preeclampsia referral service in Australia, and largest renal transplantation services in New South Wales, the biggest state population in Australia; personally performing 250 renal biopsies per year.
1992-1996	PhD Student;
1996	Clinical Superintendent/Director of Medical Services, Royal Prince Alfred Hospital, Sydney Australia. Responsible for career training of 250 house staff and 20 internal medicine trainees.
1996-1997	Don and Lorraine Jacquot Travelling Fellow in Nephrology –to study in New York Hospital - Cornell Medical College, New York with Professor M Suthanthiran and Professor P August. Developed molecular investigation of placental cytokines and histocompatibility proteins in preeclampsia.
1998	Senior Lecturer (Medicine) University of Sydney (Conjoint Appointment) Physician Nephrologist, Royal Prince Alfred Hospital; Director Research, Statewide Renal Services, NSW, Australia
2001-2006	Associate Professor, Medicine, University of Sydney
2006-	Foundation Chair of Medicine, University of Western Sydney.
2006-	Honorary Associate Professor, University of Sydney.

**Awards and Other Professional Activities:**

1992-1994	“Patho-physiology of preeclampsia” University of Sydney. Experience in whole animal physiology (baboon) after nitric oxide blockade with the development of renal preeclampsia, and hypertension. Recipient of National Heart Foundation and National Health and Medical Research Council Research Fellowship. Presentations including symposia at national and international meetings. Runner-up, Australian Medical Research Council National Research Award,
1992 -1996	Recipient of travel Grants in National and international Meeting, Australasian Society of Medical Research, Australasian Society of Nephrology, National Heart Foundation, and High Blood Pressure Research Council of Australia.
1996 -1997	“Placental expression of cytokines in preeclampsia. ”Recipient of the Don and Lorraine Jacquot Traveling Fellowship (\$50,000 per annum). Molecular studies of placental function.
1999 -present	Reviewer for NHMRC, National Heart Foundation and Wellcome Trust Foundation, UK.
2006 - present	Head of Medicine, Campbelltown Hospital NSW
2000 - present	Member, RPAH Zone CSAHS Animal Ethic Committee.
2000 - present	Executive Director, Bullen’s Primate Research Foundation (The National Baboon Colony)
2000 – present	Peer-reviewed project grants : (Sylvia and Charles Viertel Foundation Investigatorship, Ramaciotti Grant) Current; Research Proposal: inflammatory mediators are pathogenic for preeclampsia and early delivery. 2001“Cytokine and sleep disturbance in preeclampsia” National Health and Medical research Council Project Grant, NHMRC enabling grant : the National Baboon colony; NHMRC Project Grant : sleep disturbance in preeclampsia.

- Experience in radio-telemetry of non-human primate blood pressure, *in vivo* and *in vitro* cytokine release studies and tissue expression of cytokines in early and late pregnancy.
- 2001-present “Experimental Diabetes and prevention of long-term diabetic complications” Millenium grant, Diabetes Australia Award. Studies the reversibility of advanced glycation end products in the baboon .
- 2006 - present Secretary, Research advisory committee – Royal Australasian College of Physicians
- 2006-present Chair, NSW Physician Training Committee

### Relevant Publications

- Woolcock J, **Hennessy A**, Xu B, Thornton C, Tooher J, Ogle R. Soluble Flt-1 as a diagnostic marker of preeclampsia *ANZJOG*. 2008 Feb;48(1):64-70.
- Hennessy A**, Makris A. Distinguishing acute and chronic effects of placental dysfunction on maternal blood pressure *Physiology News*. 2008.
- Sunderland N, Thomson S, **Hennessy A**. maternal parity affects neonatal survival rate in a colony of captive bred baboons (*Papio hamadryas*). *Journal of Medical Primatology*. 2008
- Machalaani R, Makris A, Thornton C, **Hennessy A**. Vascular endothelial growth factor receptor 1 (Flt1) and apoptosis in the pre-eclamptic placenta and effects of in-vivo anti-hypertensive exposure. *Hypertension in Pregnancy*.2008
- Graves L, Thomson S, **Hennessy A**, Sunderland N, Mackenzie P. the incidence of lymphoma and wasting in a captive-bred baboon (*Papio hamadryas*) colony: potential management issues. *The Veterinary Journal*. 2008.
- Makris A, Thornton C, Thompson J, Thomson S, Martin R, Ogle R, Waugh R, McKenzie P, Kirwan P, **Hennessy A**. Uteroplacental ischemia results in proteinuric hypertension and elevated sFlt-1. *Kidney International*. May 2007;71(10):977-984.
- Thornton C, **Hennessy A**, von Dadelszen P, Nishi C, Makris A, Ogle R. An international benchmarking collaboration: measuring outcomes for the hypertensive disorders of pregnancy *J Obstet Gynaecol Can*. 2007;29(10):794-800.
- Hennessy A**, Thornton C, Makris A, Ogle R, Henderson-Smart D, Gillin A, Child A. A randomized comparison of hydralazine and mini-bolus diazoxide in hypertensive emergencies in pregnancy: the pivot trial. *Aust N Z J Obstet Gynaecol*. 2007;47(4):279-285.
- Xu B, Thornton C, Makris A, Ogle R, **Hennessy A**. Anti-hypertensive drugs alter cytokine production from preeclamptic placentas and peripheral blood mononuclear cells. *Hypertension in Pregnancy*. 2007;26:343-356.
- Edwards N, Blyton DM, **Hennessy A**, Sullivan CE. Severity of sleep-disordered breathing improves following parturition. *Sleep*. 2005 Jun; 1;28(6):737-41.
- Lagenfield MR, Simmons LA, McCrohon JA, Raitakari OT, Lattimore J, **Hennessy A**, Celermajer DS Nitric oxide does not mediate the vasodilation of early human pregnancy. *Heart Lung Circulation*. 2003; 12:142-148.
- Orange S, Horvath JS, **Hennessy A**. Preeclampsia is associated with a reduced interleukin-10 production from peripheral blood mononuclear cells. *Hypertension in Pregnancy* 2003; 22:1-8.
- Hennessy A**, Orange S, Willis N, Painter DM, Child A, Horvath JS. Transforming growth factor b-1 does not relate to hypertension in preeclampsia. *Clin Exp Physiol Pharmacol*. 2002;29:968-71.
- Hennessy A**, Simmons L, Pilmore H, Painter DM. Interleukin 10 insufficiency in preeclampsia. *J Immunol* 1999 163:3491-3495.
- Hennessy A**, Gillin AG, Duggin GG, Horvath JS, Tiller DJ. Low dose N-Nitro-l-arginine administration in baboon (*Papio hamadryas*) pregnancy. *Clin Experimen Physiol Pharmacol*, 1999;26:849-852.
- Harewood WJ, Gillin AG, **Hennessy A**, Armitstead J, Horvath JS, Tiller DJ Biochemistry and hematology values for the baboon (*Papio hamadryas*): the effects of sex, growth, development and age.. *J Med Primatol*. 1999 ;28:19-31
- Hennessy A**, Gillin AG, Thompson JT, Painter DM, Waugh RD, Duggin GG, Tiller DJ, Horvath JS Endothelin in primate pregnancy and an experimental pre-eclampsia-like syndrome.. *Hypertens preg*. 1998;17:227-240.
- Hennessy A**, Gillin AG, Painter DM, Kirwin PJ, Thompson JF, Horvath JS. Evidence for pre-eclampsia in a baboon pregnancy with twins. *Hypertens pregnancy* 1997;16:223-228.
- Simmons L, **Hennessy A**, Gillin AG, Jeremy R. Uteroplacental blood flow and placental vascular endothelial growth factor in normotensive and preeclamptic pregnancy. *Br J Obstet Gynecol*. 2000, 107:678-85.