

ASSOCIATE PROFESSOR ROGER GRAHAM KING



1950	Born on December 3rd 1950.
1971	Obtained B.A. (Hons 1, Medical Sciences) at Cambridge University
1974	Obtained M.B.B.Chir. at Cambridge University
1975	Obtained M. A. at Cambridge University
1975-81	General Practitioner and Partner in Medical Practice, Hull and London
1979	Obtained M.Sc. at London University
1979-81	Research Training Fellowship, Medical Research Council (U.K.)
1981	Obtained PhD at London University Thesis title "Studies on the incorporation of choline transport into liposomes."
1982-86	Lecturer at Pharmacology Department, Monash University
1987-94	Senior Lecturer at Pharmacology Department, Monash University
1992	Obtained Master of Education studies at Monash University
1995-2006	Associate Professor at Pharmacology Department, Monash University
1997	Obtained Graduate Diploma of Family Medicine at Monash University
1998	Fellowship of the Royal Australian College of General Practitioners
1995-2006	Associate Professor at Pharmacology Department, Monash University
1989-93, 2005-06	Deputy Head at Pharmacology Department, Monash University
2004-06	Member of School of Biomedical Sciences Executive
2005	AMus TCL (Trinity College London, Piano recital)
2006 -	General Practitioner

Formerly

Member of ANZPS, ASCEPT, APPS, ASMR
Member of over 20 Monash University committees
Teacher, convenor & examiner (20 courses) in Med., Sci, Radiog., Nursing
Reviewer of 8 scientific journals
Senior Research Associate Royal Women's Hospital,
Consultant - Optiscan Pty Ltd and Victorian Inst. Forensic Medicine
Director - International Diabetes Institute,

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140 Refereed papers, book chapters and reviews in the fields of
 pathogenesis of pre-eclampsia, intrauterine growth retardation
 fibre optic confocal imaging Australian animal venoms
 diabetes – pregnancy and vascular changes

THESES OF STUDENTS OF ASSOCIATE PROFESSOR ROGER GRAHAM KING

DOCTOR OF PHILOSOPHY

Alfia Al-Ghafra "Human placental and fetal membranes adrenomedullin

2004 (*S.P.Brennecke*¹⁶, *N.M.Gude*¹⁶ & *R.G.King*⁸)

Richard Jonathon Booth "Eicosanoids and endothelins in hearts of diabetic rats."

1997 (*W.C.Hodgson*⁸ & *R.G.King*⁸)

Lindsay John Bussau "Pharmacological properties of some anti-HIV dideoxynucleosides."

1995 (*A.A.Beveridge*⁸ & *R.G.King*⁸)

Jennifer Kay Callaway "Pharmacological studies of antitussive agents."

1994 (*R.G.King*⁸)

Yu Sui Chen "Role of placental acetylcholine in human parturition and its relationship to prostaglandin production at term."

1993 (*S.P.Brennecke*¹⁶ & *R.G.King*⁸)

Peter J.Crack "Characterisation and function of neuronal nitric oxide synthase in the brain and neuroendocrine axis."

1996 (*R.G.King*⁸ & *I.Smith*²)

Narelle Emma Curtis "Parathyroid hormone-related protein expression and significance in human pregnancy."

1999 (*R.G.King*⁸, *G.Rice*¹⁶ & *M.Wlodek*¹⁶)

Wayne Clarence Hodgson "Sensitivity changes in the cardiovascular system during experimentally induced diabetes."

1990 (*A.L.A.Boura*⁸ & *R.G.King*⁸)

Chaweewan Jansakul "Vascular reactivity during pregnancy in the rat."

1990 (*A.L.A.Boura*⁸ & *R.G.King*⁸)

Bimal Roy Krishna "Acetylcholine output and materno-fetal amino acid transfer in the dually perfused human placental lobule."

1992 (*S.P.Brennecke*⁷ & *R.G.King*⁸)

Ian Matthew Leitch "Some acute pharmacological properties of 2-*N*-carbox-amidinonormianserin (FCC5) and 2-*N*-carbox-amidonormianserin (FCC13): two novel analogues of mianserin."

1993 (*A.L.A.Boura*⁸ & *R.G.King*⁸)

Maria Anna Matuszek "A pharmacological and enzymatic analysis of the venoms of two Australian ants, *Myrmecia Pilosula* and *Myrmecia Pyriformis*."

1995 (*W.C.Hodgson*⁸ & *R.G.King*⁸)

Melinda Joy Munns "Regulation and characterization of phospholipase A₂ isozymes associated with human parturition."

1999 (*R.G.King*⁸ & *G.Rice*¹⁶)

Glenn David Papworth "In vivo fibre optic confocal imaging of sub-surface microvascular and nerve morphology in the rat vas deferens and colon."

1999 (*R.G.King*⁸)

Lachlan Douglas Rash "Sex differences in the pharmacological activity of venom from several Australian spiders."

2000 (*W.C.Hodgson*⁸ & *R.G.King*⁸)

Bogdan Sikorski “Diabetes-induced changes in responsiveness of rat vasculature.
1993 (*W.C.Hodgson*⁸ & *R.G.King*⁸)

Peter Neale Stebbing “Expression of endothelial nitric oxide synthase in the human placenta.”
1997 (*N.M.Gude*¹⁶ & *R.G.King*⁸)

MASTER OF BIOTECHNOLOGY

Peter Neale Stebbing “An investigation into the role of alpha-atrial natriuretic peptide in the regulation of blood flow in the isolated perfused human placenta.”
1993 (*N.M.Gude*¹⁶ & *R.G.King*⁸)

MASTER OF SCIENCE

Neil Murray Gude “An investigation into the mechanisms controlling vascular tone of the fetal vessels of the human isolated perfused placenta..”
1989 (*A.L.A.Boura*⁸, *R.G.King*⁸ & *W.A.Walters*⁷)

Sy Cheau Law “Some pharmacological properties of 6-[N,S-dimethyl-N’-cyanoisothioureidomethyl]-6,11-dihydro-5H-diben[b,e]azepine (Fran 12).”
1992 (*R.G.King*⁸)

Gordon Kelvin Mill “Biochemical, pharmacological and immunohistochemical studies on catecholaminergic neurones involved in the central cardiovascular actions of 6- hydroxydopamine and alpha -methyldopa.”
1993 (*A.Bobik*² & *R.G.King*⁸)

David Telfer Douglas Osmond “Aspects of placental function in the pathogenesis of macrosomia in gestational diabetes mellitus.”
2001 (*N.M.Gude*¹⁶ & *R.G.King*⁸)

BACHELOR OF SCIENCE WITH HONOURS

Catherine Alexander “Dietary L-Arginine supplementation in humans: effect on vascular reactivity.”
1994 (*J.P.F. Chin-Dusting*² & *R.G.King*⁸)

Grace Arena “Effect of increasing pH on amoxicillin uptake in human gastric mucosa.”
1992 (*R.G.King*⁸ & *J.Lambert*¹⁹)

Anh Hong Cao “The hepato-protective role of the antioxidant, honokiol, in carbon tetrachloride (CCl₄)-induced liver damage and cirrhosis *in vivo*.”
2002 (*R.G.King*⁸ & *L.Vo*⁸)

Jennifer Claire Carrasco “Fibre optic confocal imaging (FOCI) for early *in vivo* detection of melanoma in athymic mice.”
1999 (*R.G.King*⁸ & *L.Vo*⁸)

Siew Yeen Chai “The effects of pretreatment of diazepam on two behavioural changes induced by glutamate or kainic acid.”
1983 (*R.G.King*⁸ & *L.J.Rogers*⁸)

David Chan “Investigation of the effects of peppermint oil and valerian on rat liver and cultured human liver cells.”
2001 (*R.G.King*⁸ & *L.Vo*⁸)

Sui Yu Chen “Involvement of acetylcholine in human parturition.”

1987 (*S.P.Brennecke*⁷ & *R.G.King*⁸)

Mark Chu “Modelling the effect of blood in the oral cavity on breath analysis readings.”

1996 (*O.H.Drummer*¹⁴ & *R.G.King*⁸)

Charles Gordon Cranfield “Optimisation of confocal subsurface microscopic skin imaging for assessment of wound healing in vivo.”

1996 (*R.G.King*⁸)

Narelle Emma Curtis “Nitric oxide and human pregnancy.”

1993 (*S.P.Brennecke*¹⁶ & *R.G.King*⁸)

Simon Dawson “Effect of dexamethasone on synaptosomal choline uptake and acetylcholine levels in rat forebrain.”

1984 (*R.G.King*⁸)

Paul Dominic Edwards “Investigation of the effects of FCC5 on bronchoconstriction and anaphylaxis in the anaesthetized guinea-pig.”

1989 (*R.G.King*⁸ & *M.P.Rechtman*⁸)

David James Fulton “The role of the endothelial cell in diabetic vascular change.”

1990 (*W.C.Hodgson*⁸ & *R.G.King*⁸)

Catherine Garde “In vivo early detection of ulcerative colitis in rats using non-invasive fibre optic confocal imaging.”

2005 (*R.G.King*⁸ & *W.McLaren*⁸)

Simon David Glance “Responsiveness of aortae from streptozotocin-induced diabetic rats: the potential role for non-enzymatic glycation in modifying agonist responses.”

1992 (*W.C.Hodgson*⁸ & *R.G.King*⁸)

Brendan Grabau “In vitro release of endothelin-1, 2 and 3 from the bilaterally perfused human placenta.”

1993 (*S.P.Brennecke*¹⁶ & *R.G.King*⁸)

Rocio del Alba Granados “Characterization of cannabinoid receptors in the human placenta.”

2003 (*N.M.Gude*¹⁶ & *R.G.King*⁸)

Stuart Cameron Hall “Changes in vascular sensitivity to arachidonic acid in the hindquarters of alloxan diabetic rats.”

1987 (*A.L.A.Boura*⁸ & *R.G.King*⁸)

Bimal Roy Krishna “Acetylcholine output in normal and pre-eclamptic human placenta.”

1986 (*A.L.A.Boura*⁸, *R.G.King*⁸ & *W.A.Walters*⁷)

Winnie Aik Kwong Lau “Angiotensin converting enzyme (ACE) inhibitor-related bronchoconstriction in anaesthetized guinea-pigs.”

1988 (*A.L.A.Boura*⁸ & *R.G.King*⁸)

Sy Cheau Law “Effects of an aldose reductase inhibitor on diabetes-induced changes in vascular responses to eicosanoids.”

1988 (*A.L.A.Boura*⁸ & *R.G.King*⁸)

Ken Lianas “Bismuth subsalicylate levels in the human gastric mucosa.”

1988 (*R.G.King*⁸ & *J.R.Lambert*¹²)

Biljana Loncar “Amoxicillin levels in the human gastric mucosa.”

1990 (R.G.King⁸ & J.R.Lambert¹²)

Natalie Maree Lovrek “Characterization of cannabinoid receptors, CB₁ and CB₂ in normal and cannabis exposed placentas and fetal membranes.”

2004 (S.P.Brennecke¹⁶, N.M.Gude¹⁶ & R.G.King⁸)

Denise Joan Massie “Chemicals modulating enkephalin convertase: a study involving a biochemical carboxypeptidase assay and the isolated stimulated ileum of guinea-pig.”

1984 (R.G.King⁸ & J.E.Olley⁸)

Maria Anna Matuszek “A pharmacological analysis of jumper jack ant (*Myrmecia pilosul*) venom.”

1990 (W.C.Hodgson⁸, R.G.King⁸ & S.K.Sutherland³)

Megan Meinhardt “Atrial natriuretic peptide in the human placenta.”

1996 (N.M.Gude¹⁶ & R.G.King⁸)

Julie Anne Milland “The effects of intracranial administration of aluminium chloride on behaviour and brain biochemistry in the chicken.”

1983 (R.G.King⁸ & L.J.Rogers⁸)

Tammie Money “Characterisation of chloride intracellular channel 3 in the human placenta in normal and pregnancy pathologies.”

2005 (N.M.Gude¹⁶ & R.G.King⁸)

Elise Renee Murr “Early detection of melanoma in athymic mice using fibre optic confocal imaging (FOCI).”

1998 (R.G.King⁸ & L. Vo⁸)

Glenn David Papworth “Fibre optic confocal imaging (FOCI): in vivo and in vitro applications of a novel laser scanning confocal microscope.”

1993 (R.G.King⁸)

Lachlan Douglas Rash “A pharmacological examination of venom from the black widow spider (*Badumna Insignis*).”

1995 (W.C.Hodgson⁸ & R.G.King⁸)

Jonathon Andrew Sharp “The effects of aluminium, cadmium, manganese and lithium on choline transport in erythrocytes.”

1982 (R.G.King⁸)

Belinda Anastasia Shen “Release of atrial natriuretic factor in the rat hypothalamus: the effects of nerve depolarisation and adrenergic stimulation.”

1988 (R.G.King⁸)

Bogdan Sikorski “Receptor specific potentiation of vasoconstrictor responses to 5-hydroxytryptamine by the thromboxane A₂-mimetic U46619 in Krebs perfused hindquarters of control and diabetic rats.”

1987 (A.L.A.Boura⁸ & R.G.King⁸)

David William Stevenson “Fibre optic confocal microscopy of the uterine cervix in the guinea pig and rat.”

1995 (R.G.King⁸)

Paul James Tammesild “Increased sensitivity to endothelin-1 and noradrenaline in isolated krebs-perfused kidneys of streptozotocin-diabetic rats.”

1990 (W.C.Hodgson⁸ & R.G.King⁸)

Sharon Laura Timms “Bismuth levels in pig gastric mucus in vitro and in vitro.”

1990 (*R.G.King*⁸ & *J.R.Lambert*¹²)

George Kung Lien Tiong “A study of the mechanisms of action of the narcotic M320.”

1984 (*R.G.King*⁸ & *J.E.Olley*⁸)

Ngoh Ngoh Tung “Selective effects of kainic acid on chick retinal ganglion cell types as revealed by their pattern of terminations.”

1985 (*D.Ehrlich*⁴ & *R.G.King*⁸)

Diana Jean Way “Bismuth level in human gastric mucosa.”

1987 (*R.G.King*⁸ & *J.R.Lambert*¹²)

John Michael Wong “Purification of a choline transport system.”

1985 (*R.G.King*⁸)

Heather Joy Worland “The effects of the chelating agent desferrioxamine on aluminium induced neurotoxicity in vitro and in vivo.”

1984 (*R.G.King*⁸)

2 Baker Medical Research Institute

3 Commonwealth Serum Laboratories

7 Monash University Department of Obstetrics & Gynaecology

8 Monash University Dept. of Pharmacology

12 Prince Henry’s Hospital Department of Surgery

14 Victorian Institute of Forensic Pathology

16 Women’s Hospital Dept. of Perinatal Medicine