CANBERRA HOSPITAL

Neurosciences Research Unit

STAFF

Dr David Linares Bandin

Associate Professor David O Willenborg

Dr Maria Staykova

Dr Paula Mana Nieto

Ms Sue Fordham

Mr Heng Jian Wong

STUDENTS

Ms Rushika Wirasinha (Collaborative project with John Curtin School of Medical Research)

COLLABORATIVE ASSOCIATES

Dr Andrew Katsifis,
ANSTO radiopharmaceuticals

Dr Jorgen Mould, Bionomics LTD

Dr Diego Silva, Pharmaxis LTD

RESEARCH

Our laboratory has had a long-term interest in the mechanism by which immune cells turns against self-organs, causing autoimmune disorders. Over recent years, our laboratory has been using a variety of animal models for the study of several human autoimmune diseases including multiple sclerosis, diabetes, arthritis and asthma. We are a highly interdisciplinary and dynamic group which combines cell and molecular biology techniques with animal studies to understand the roles of several genes in the development and progression of the autoimmune response.

RESEARCH PROJECTS

The role of IFN gamma and C-C chemokines in murine neuroinflammation and resultant demyelination-remyelination
Multiple sclerosis is of course the most common demyelinating disease of the CNS. Using the animal model of demyelination caused by cuprizone, we are studying the role that several immune mediator play in the processes of demyelination and remyelination.

Toxic central nervous system injury induces immune tolerance to neuroantigens
Reversible toxic injury to a localized area of the central nervous system releases myelin and oligodendroglial antigens to the peripheral lymphoid organs with the resultant establishment of immune tolerance to those antigens. In this study, using Experimental Autoimmune Encephalomyelitis, we will investigate the mechanisms behind the immune tolerance developed in response to CNS injury and explore possible clinical application.

Novel radiolabelled peripheral benzodiazepine receptor ligands for imaging neuro inflammation euroinflammation and investigation of their potential therapeutic use

In our study we use novel Peripheral Benzodiazepine Receptor (PBR) ligands for the early detection and possibly treatment of neuroinflammation. *Collaborative work with: ANSTO*

Functional characterisation of the cellular and molecular events resulting in protection against EAE in Roquin-mutant mice
In this study we investigate the mechanism whereby roquin negatively modulates the immune response in EAE and the involvement of a very specific subset of immune cells, the follicular helper T cells, in inducing protection. The study of new genes that influence the aggressive immune response observed in MS will help deciphering its aetiology and eventually find a cure.

Kv1.3 Blockers for Multiple Sclerosis
Kv1.3 is a key regulator of the effector-memory T-Cells of the immune system that are the key mediators of disease in MS. In this study we investigate the effect of several Kv1.3

inhibitors on the development and progression of Experimental Autoimmune Encephalomyelitis. *Collaborative work with: Bionomics Limited*

Functional characterisation of novel mast cell genes
In this study, we discover and characterize novel genes involved in mast cell activation by combining computer based approaches, in vitro studies.

FUNDING

Jan 2006–Jan 2008

Multiple Sclerosis Research Australia (MSRA) and Trish Foundation, D Linares Bandin, A Katsifis and D O Willenborg 'Novel radiolabelled peripheral benzodiazepine receptor (PBR) ligands for imaging and treating neuroinflammation'. $150,000

Multiple Sclerosis Research Australia (MSRA), C Vinuesa, D Silva and D Linares Bandin 'Elucidating the role of the autoimmune modulator roquin and follicular helper T cells in the prevention of experimental autoimmune encephalomyelitis'. $110,000

Jan 2007–Jan 2010

National Health and Medical Research Council, D Liñares Bandin, D O Willenborg, A Katsifis, MC Gregorie.
'Novel radiolabelled peripheral benzodiazepine receptor (PBR) ligands for imaging and treating neuroinflammation'. ($407,750) + (NHRMC E.G. $54,613)

Sep 2007–

Canberra Hospital Private Practice Fund, Functional characterisation of novel mast cell genes. Dr. Matthew Cook, Dr. Diego G. Silva, Dr. David Linares ($30000)

Jul 2008–

ANU Connect Venture. 'Using novel pharmacotherapies to target mast cell activation'. Dr David Linares Bandin and Dr Diego Silva ($40000)

PUBLICATIONS

Demyelination caused by the copper chelator cuprizone halts T cell mediated autoimmune neuroinflammation. Paula Maña, Susan A Fordham, Maria A Staykova, Manuel Correcha, Diego Silva, David O. Willenborg, David Liñares. J Neuroimunol (in press)

The innate immune response to adjuvants dictates the adaptive immune response to autoantigens. Staykova MA, Liñares D, Fordham SA, Paridaen JT, Willenborg DO. J Neuropathol Exp Neurol. 2008 Jun;67(6):543-54.

The contribution of nitric oxide and interferon gamma to the regulation of the neuro-inflammation in experimental autoimmune encephalomyelitis. Willenborg DO, Staykova M, Fordham S, O'Brien N, Linares D. J Neuroimmunol. 2007 Nov;191(1-2):16-25. Epub 2007 Sep 29. Review

PATENTS

Diego Silva, Davis Linares Bandin and Peter Milburn. AU 2007904591 (2007-08-24). Modulators of hypersensitivity reactions. WO 2009/026622 A1.

CANBERRA HOSPITAL

Obstetrics and Gynaecology

STAFF

Professor David Ellwood

Dr Stephen Robson, Senior Lecturer

Dr David Knight, Lecturer

Dr Anne Sneddon. Lecturer

Dr Peter Scott, Lecturer

Dr ShiauTween Low, Lecturer

Dr Meiri Robertson, Lecturer

Dr Jyotica Ruba, Lecturer

STUDENTS

Ms Ruth Doherty

Ms Corinne Lu

Ms Laura Heal

Ms Elizabeth Amyes

Ms Alicia Paul

Dr Simmer Gill

Dr Lanzis Homar

COLLABORATIVE ASSOCIATES

Dr Jane Thompson

Ms Joanna Holt

Associate Professor Chris Nolan

Ms Rebecca Reay

Dr Stephen Matthey

Dr Marian Currie

Associate Professor Liz Sullivan

Professor Michael Peek

Dr Marion Knight

Dr Lisa Jackson-Pulver

Professor Caroline Homer

Professor Pat Brodie

Associate Professor Sue Kildea

Dr V Pantano

Dr S Cann-Evans

RESEARCH PROJECTS

A prospective cohort study of morbidity following significant postpartum haemorrhage (2005–2008): David Ellwood, Jane Thompson & Ms Joanna Holt, Women's Hospitals Australasia ACT Health & Medical Research Council $50,000

The role of gluco-lipotoxicity in the pathogenesis of diabetic fetopathy (2005-2008): Associate Professor Chris Nolan, David Ellwood and others Canberra Regional Medical Foundation ($85,000) and The Canberra Hospital Private Practice Trust Fund ($175,000)

The Recreational Exercise in Pregnancy Study (REPS): attitudes and intentions of women towards exercise in pregnancy (2007–08) Ellwood D with Ruth Doherty (medical student)

Women's knowledge and experience of induction of labour for post-dates pregnancy (2007–08) Ellwood D with Ms Corrine Lu (medical student)

Immediate delivery v expectant care in women with preterm pre-labour rupture of the membranes close to term – a randomised clinical trial (PPROMPT) with Professor Jonathon Morris and others (2006–2011) NHMRC funded (Ellwood D, Associate Investigator)

Vaginal progesterone for the prevention of neonatal respiratory distress syndrome – a randomised controlled trial (PROGRESS) with Professor Caroline Crowther (2006–2011), University of Adelaide NHMRC funded (Ellwood D, Associate Investigator)

Two-year follow-up of women with symptoms of ante and post-natal depression (2007–08); Ellwood D & Reay R, The Canberra Hospital Private Practice Fund ($8000)

The Australian Maternity Outcomes Surveillance System (AMOSS): Improving the safety and quality of maternity care (2008–2013).Sullivan EA, Peek M, Knight M, Ellwood D, Jackson Pulver L, Homer C. National Health & Medical Research Council Project Grant ($780,000)

A RCT of group exercise therapy for improving postnatal depression (2008–2010); David Ellwood, Marian Currie, Rebecca Reay and Beverley Raphael, The Canberra Hospital Private Practice Fund ($133,000)

Core competencies and educational framework for maternity services in Australia project (2008–2010) with Caroline Homer, Pat Brodie, Sue Kildea, David Ellwood & Austin Curtin, dept of Health & Ageing ($230,000)

Obesity in pregnancy: attitudes and practices of maternity care providers Anne Sneddon (with Alicia Paul, medical student)

Short- and long-term outcome after surgical sperm extraction in IVF S Robson (with S Gill)

Outcome of blastocyst-stage embryo transfer in IVF S Robson (with L Homar)

Periodontal pathogens in stillbirth S Robson, D Ellwood (with A Kent, J Dahlstrom, and G Allison) Canberra Hospital PPTF ($28,000)

Development of an early warning dissemination system for rapidly-evolving natural disasters. S Robson (with V Pantano and S Cann-Evans, ANU Enterprise)

Development of a maternal satisfaction instrument S Robson, P Scott, D Knight, P Maher, J McLaughlin (with H Berry and T Prouza)

Perinatal mortality rates after elective caesarean section S Robson (with P Laws and E Sullivan)

Ultrasound detection of placental pathology Robertson M with Dahlstrom J, Ellwood D, and Elizabeth Amyes

Breastfeeding experience in a cohort of women following significant PPH Ellwood D (with Laura Heal and Jane Thompson)

FUNDING

See previous section

PUBLICATIONS

Torvarldsen S, Roberts C, Simpson J, Thompson J, Ellwood D *Intrapartum epidural analgesia and breastfeeding: a prospective cohort study* International Breastfeeding Journal 2007; 11, 1–24

Francis B, Hallam L, Kecskes Z, Ellwood D, Croaker D, Kent A *Placental mesenchymal dysplasia associated with hepatic mesenchymal hamartoma in the newborn* Pediatr Dev Pathol 2007; (1):50–4

Milgrom J, Gemmill, Bilszta JL, Hayes B, Barnett B, Brooks J, Ericksen,J, Ellwood D, Buist A *Antenatal risk factors for postnatal depression: A large prospective study* J Affect Disord 2007; 93:233–37

Buist A, Ellwood D, Brooks J, Milgrom J, Hayes BA, Sved-Williams A, Barnett B, Karatas J, Bilszta J *National program for depression associated with childbirth: the Australian experience* Best Practice & Research in Clinical Obstetrics & Gynaecology 2007; 21:193–206 Elsevier Ltd

Robson S, Devine B *Two cases of leiomyoma necrosis after thermal balloon endometrial ablation* J Minim Invasive Gynecol 2007; 14: 250–2

Englund M, Robson S *Why has the acceptance of laparoscopic hysterectomy been slow? Results of an anonymous survey of Australian gynecologists* J Minim Invasive Gynecol 2007; 14: 724–8

Chinnock M, Robson S. *Obstetric trainees' experience in vaginal breech delivery: implications for future practice* Obstet Gynecol 2007; 110: 900–3

Robertson M, Geerts L, de Jong G, Wainwright H *A case study of mesenchymal dysplasia in a monochorionic diamniotic twin pregnancy with review of the differential diagnosis of cystic changes in the placenta* J Ultrasound Med 2007;26:689–693

Buist AE, Austin MP, Hayes BA, Speelman C, Bilszta JL, Gemmill AW, Brooks J, Ellwood D, Milgrom J *Postnatal mental health of women giving birth in Australia 2002-2004: findings from the beyondblue National Postnatal Depression Program* Aust N Z J Psychiatry 2008; 42:66–73

Gordijn SJ, Dahlstrom JE, Khong TY, Ellwood DA *Histopathological examination of the placenta: key issues for pathologists and obstetricians* Pathology 2008; 40:176–9

Sedaghat N, Ellwood D, Shadbolt B, Kesckes Z, Falk M, Brussel T, Kent A *The effect of mode of delivery and anesthesia on neonatal blood pressure* Aust NZ J Obstet Gynaecol 2008; 48; 172–178

Robson SJ, Barry M, Norman RJ *Power Doppler assessment of follicle vascularity at the time of oocyte retrieval in in vitro fertilization cycles* Fertil Steril 2008; 90:2179–82

Rojas A, Robson S, McMahon D *Gastric perforation complicating laparoscopy* Aust NZ J Obstet Gynaecol 2008; 48: 222–3

Robson SJ, Carey A, Mishra R, Dear KBG *Elective caesarean delivery at maternal request: a preliminary study of motivations influencing women's decision making* Aust NZ J Obstet Gynaecol 2008; 48: 415–420

ABSTRACTS

Kent A, Dahlstrom J, Ellwood D *Postmortem and placental pathology in perinatal deaths* Perinatal Society of Australia & New Zealand Annual Congress, Melbourne, April 2007

Pathmaperuma A, Kugathas K, Dahlstrom J, Ellwood D, Nolan C *Characteristics of glucose and lipid metabolism in human trophoblast cells in primary culture* The Canberra Hospital, Annual Scientific Meeting June 2007

Pathmaperuma A, Kugathas K, Dahlstrom J, Ellwood D, Nolan C *Characteristics of glucose and lipid metabolism in human trophoblast cells in primary culture* Australian Diabetes in Pregnancy Study Group Annual Scientific Meeting, 2007

Thompson J, Ellwood D and The WHA PPH Study Project Reference Group *'A brush with death'. Women's Experience of Significant Primary Postpartum Haemorrhage (PPH)* Australian Society for Psychosomatic O & G Conference, Adelaide, September 2007

Ellwood D *Labour Ward Ultrasound – what, why and when?* Australasian Society for Ultrasound in Medicine Annual Scientific meeting, Cairns, September 2007

Ellwood D *Early pregnancy failure; the role of assessment units* Australasian Society for Ultrasound in Medicine Annual Scientific Meeting, Cairns, September 2007

Ellwood D *Saline infusion sonohysterography – a useful adjunct to the gynaecology scan* Australasian Society for Ultrasound in Medicine Annual Scientific Meeting, Cairns, September 2007

Ellwood D, Gatenby P, Dahlstrom J, Curren J, Robertson M *Middle Cerebral Artery (MCA) Doppler velocimetry during fetal therapy with intravenous immunoglobulin for neonatal haemachromatosis* 17th World Congress on Ultrasound in Obstetrics & Gynaecology, Florence, Italy, October 2007

S Robson *Caesarean sections – keeping it real* RANZCOG Annual Scientific Meeting, Gold Coast October 2007

Ellwood D, Flenady V, Carey J, King J *Reducing stillbirth and improving care for affected families through high quality research, clinical practice improvement and raising public awareness* International Stillbirth Alliance Congress, Birmingham, England, October 2007

Sedaghat N, Ellwood D, Shadbolt B, Kesckes Z, Falk M, Brussel T, Kent A *Effect of mode of delivery and anaesthesia on neonatal blood pressure* Perinatal Society of Australia & New Zealand Annual Congress, Gold Coast, April 2008

Kent A, Dahlstrom J, Bourne M, Freebairn L, Ellwood D for the ACT Perinatal Mortality Committee *Perinatal mortality in the ACT – a 5-year review* Perinatal Society of Australia & New Zealand Annual Congress, Gold Coast, April 2008

Thompson J, Ellwood D and the WHA PPH Study Group *'A brush with death' – women's experience of significant primary postpartum haemorrhage (PPH)* Perinatal Society of Australia & New Zealand Annual Congress, Gold Coast, April 2008

Ellwood D *Obstetric Ultrasound – When, why & how?* Australasian Society for Ultrasound in Medicine Multidisciplinary workshop, Sydney, March 2008

Ellwood D, Thompson J *Emotional and physical recovery after significant post-partum haemorrhage* Federation of Asia-Oceania Perinatal Societies Congress, Nagoya, Japan, May 2008

Ellwood D, Sullivan E *Maternal death reporting in Australia* Federation of Asia-Oceania Perinatal Societies Congress, Nagoya, Japan, May 2008

Sullivan E, Peek M, Knight M, Jackson-Pulver L, Ellwood D, Homer C *Australian Maternity Outcomes Surveillance System (AMOSS)* Society for Obstetric Medicine of Australia & New Zealand (SOMANZ) Scientific Meeting, Sydney, November 2008

Robertson M, Athukorala C, Ellwood DA, Dahlstrom JE *Case Report And review Of chronic Intervillositis Including immunological studies, ultrasound and Doppler Findings*, International Federation of Placenta Associations (IFPA) meeting 'Placenta: established hypotheses and current concepts', Austria, September 2008

Thompson JF, Ellwood DA and the WHA PPH Study Project Reference Group *'A brush with death' Women's experience of significant primary postpartum haemorrhage (PPH)* The International Marce Society, Sydney, September 2008

Reay R, Matthey S, Ellwood D *Two year outcomes for mothers detected as 'probably depressed' by an early detection program* International Marce Society Meeting, Sydney, September 2008

Robson S, Al-Suhel R, Chinnock M, Gill S, Shadbolt B *Outcomes of Kjelland's forceps delivery* Bristol University Anatomy Course 2008

Knight D, Robson S *A new paradigm in surgical training for registrars* RCOG Annual Scientific Meeting, Montreal, September 2008

Pathmaperuma A, Kugathas K, Dahlstrom J, Ellwood D, Nolan C *Interaction of glucose and lipid metabolism in human trophoblast cells in primary culture* International Congress of the International Academy of Pathology, Athens, Greece, October 2008

Flenady V, Ellwood D & King J *The Australia & New Zealand Stillbirth Alliance*: *ANZSA* Women's Hospitals Australasia ASM Sydney, November 2008

Knight P, Sneddon A & Gilmore L *OASIS: the Canberra experience: an overview of the tear Clinic at The Canberra Hospital for patients sustaining obstetric anal sphincter injuries* (OASIS) Women's Hospitals Australasia ASM, Sydney, November 2008

AWARDS

Best oral presentation; Melissa Parker, Anne Sneddon *The MDOT study: menstrual disorders of teenagers* World Endometriosis Congress, Melbourne, March, 2008

CANBERRA HOSPITAL

Ophthalmology

STAFF

Staff Specialists

Dr Rohan Essex, Senior Staff Specialist, Canberra Hospital; Senior lecturer, ANU; Visiting Medical Officer, Royal Victorian Eye and Ear Hospital

Dr Salim Okera, Senior staff Specialist, Canberra Hospital

Dr Kate Reid, Director, Department of Ophthalmology, Canberra Hospital

Visiting Medical Officers

Dr David Dixon

Dr Martin Duncan

Dr Michael Pluschke

Dr Walter Pluschke

Dr David Tridgell

Research Nurse

Ms Amanda Wylie

STUDENTS

Mr Faran Sabeti. PhD project: Multifocal Pupillographic Perimetry in Age Related Macular Degeneration. Supervisors: Prof Jan Provis ANU, Prof Ted Maddess ANU

COLLABORATIVE ASSOCIATES

Professor Ted Maddess. Research School for Biological Sciences, ANU, Canberra

Professor Marc Budge. Department of Geriatrics, Canberra Hospital

Professor Tien Wong. Centre For Eye Research Australia, Royal Victorian Eye and Ear Hospital, Melbourne

Dr Willie Campbell. Director, Vitreoretinal Unit, Royal Victorian Eye and Ear Hospital, Melbourne

Dr Alex Hunyor, Jr. Save Sight Institute, Sydney Eye Hospital, Sydney

Bell A, Goh XL, James AC, Kolic M. Seeing Machines

RESEARCH PROJECTS

ASPREE / ENVISION [ASPirin in Reducing Events in the Elderly (ASPREE) / Aspirin for the prevention of cognitive decline in the Elderly: a Neuro-Vascular Imaging Study (ENVIS-ion) of ASPREE]. CI's: Ass Prof Marc Budge, Prof Elsdon Storey, Prof Andrew Tonkin, Prof Tien Wong, Ass Prof Christopher Reid, Prof David Ames. AI's: Dr Andrew Janke, Dr Robyn Woods, A/Pr Jie Jin Wang, Dr Rohan Essex, Prof John McNeil, Prof Marjan Kljakovic, Dr Anthony Kam

Macular Hole Project. A prospective national audit of macular hole surgical outcomes. Dr Rohan Essex, Dr Willie Campbell, Dr Alex Hunyor Jr

Multifocal Pupillographic Perimetry in Age Related Macular Degeneration. Mr Faran Sabeti, Dr Rohan Essex, Prof Jan Provis, Prof Ted Maddess

Attempting balanced multifocal pupillographic perimetry. Ms Maria Kolic, Prof Ted Maddess, Dr Rohan W Essex, Andrew C James

Hemifield Asymmetry in Direct and Consensual Pupil Responses to Multifocal Pupil Stimuli. CF Carle, TL Maddess, M. Kolic, RW Essex, AC James

Maddess T, Bell A, Kolic M, Essex RW, James AC (2009a) Dichoptic Multifocal Pupillography Points to Retinal Dysfunction in Early NIDDM. In 'American Academy of Ophthalmology'. Boston, USA

Maddess T, James AC, Kolic M, Essex RW (2009b) Multifocal pupillographic perimetry in glaucoma. In '29th Annual Meeting of the Australian Neuroscience Society'. Canberra

FUNDING

2008

NHMRC grant number: 471460, $1,271,100. ENVISion

2006–2010

ARC Centre of Excellence in Vision Sciences (ACEVS), ARC, CE0561903, $563,059

2006–2008

Commercial Ready Grant with Seeing Machines Ltd. AusIndustry, COM03991, $2,015,745

The Canberra Hospital Private Practice Trust Fund $12,700. *Macular Hole Project.* Dr Rohan Essex, Dr Willie Campbell, Dr Alex Hunyor Jr

PUBLICATIONS

Prophylaxis for posttraumatic endophthalmitis. Essex RW, Lamoureux E, Charles PG, Allen P. Arch Ophthalmol. 2008;126:742–3; author reply 743-4

Outcome measures. Essex R. Ophthalmology. 2008l;115:1269; author reply 1269–70

Avastin as an adjunct to vitrectomy in the management of severe proliferative diabetic retinopathy: a prospective case series. Yeoh J, Williams C, Allen P, Buttery R, Chiu D, Clark B, Essex R, McCombe M, Qureshi S, Campbell WG. Clin Experiment Ophthalmol. 2008;36:449–5

PRESENTATIONS/ABSTRACTS

Macular Hole Project. A prospective national audit of macular hole surgical outcomes. Dr Rohan Essex, Dr Willie Campbell, Dr Alex Hunyor Jr. RANZCO 2008

CF Carle, TL Maddess, M Kolic, RW Essex, AC James. Hemifield Asymmetry in Direct and Consensual Pupil Responses to Multifocal Pupil Stimuli. ARVO 2009

James AC, Goh XL, Kolic M, Essex RW, Maddess T (2009) Objective pupillographic multifocal perimetry for glaucoma. In 'ARVO'. Ft. Lauderdale

Kolic M, Maddess T, Essex RW, James AC (2008) Fine-tuning multifocal pupillographic perimetry. In 'Australiasian Vision Science and Opthlamic Meeting'. Canberra

Kolic M, Maddess T, Essex RW, James AC (2009) Attempting balanced multifocal pupillographic perimetetry. In 'ARVO'. Ft. Lauderdale

Dr Rohan Essex

Maddess T, Bell A, Kolic M, Essex RW, James AC (2009a) Dichoptic Multifocal Pupillography Points to Retinal Dysfunction in Early NIDDM. In 'American Academy of Ophthalmology'. Boston, USA

Maddess T, James AC, Kolic M, Essex RW (2009b) Multifocal pupillographic perimetry in glaucoma. In '29th Annual Meeting of the Australian Neuroscience Society'. Canberra

Maddess T, Kolic M, Essex RW, James AC (2009c) Balanced luminance multifocal pupillographic perimetry. In 'ARVO'. Ft. Lauderdale

Maddess T, Kolic M, Essex RW, James AC (2009d) Field-balanced multifocal objective perimetry. In 'American Academy of Ophthalmology'. Boston, USA

Maddess T, Kolic M, Essex RW, James AC (2009e) Simultaneous multifocal pupillographic visual field assessment of both eyes. In 'World Glaucoma Congress'. Boston

Sabeti F, Maddess T, Essex RW, James AC (2008) Multifocal pupillographic visual field assessment of age-related macular degeneration. In 'Australiasian Vision Science and Opthlamic Meeting'. Canberra

Sabeti F, Maddess T, Essex RW, James AC (2009) Multifocal pupillographic perimetry in unilateral exudative macular degeneration. In 'ARVO'. Ft. Lauderdale

CANBERRA HOSPITAL

Paediatric and Adolescent Diabetes Service

STAFF

Dianne Roberts, Nurse Practitioner

Wendy Mossman, Nurse, Diabetes Educator

Alison Lancaster Nutritionist

ARA Lafferty, Paediatric Endocrinologist

RESEARCH PROJECT

Weight related oral treatment of self managed hypoglycaemia in children with type 1 diabetes.

FUNDING

El Lilly Research Grant 2006

PRESENTATIONS

Lancaster A, Elliot, S, Taylor, K. Developing an education program for children with Type 2 Diabetes or Impaired Glucose Tolerance. Presented at NSW Diabetes Outreach Meeting, Canberra 28–29 July 2008

Mossman, W, Roberts D. Insulin Pump Therapy, Interactive Workshop. Presented at NSW Diabetes Outreach Meeting, Canberra 28–29 July 2008

Wendy Mossman, Di Roberts, Dr Tony Lafferty, Alison Lancaster

CANBERRA HOSPITAL

Paediatric Research and Clinical Trials Unit

Department of Paediatrics and Child Health

The Paediatric Research and Clinical Trials unit has been developed to focus on clinical research in the hospital and community setting. The unit recognises linkages between a range of departments, services and institutions in Canberra and seeks to deliver an administrative and research structure to underpin basic research questions that arise in routine clinical practice. It is also interested in providing a platform for assisting in the testing of new drugs and vaccines so that children are not excluded from new medication availability by lack of data in this age group.

STAFF

Associate Professor Graham J Reynolds

Dr Kaye Robertson

Dr Tony Lafferty

Sandra Gillett RN

Ruth Pollard RN MN

Pam Nash RN

Sue Wrigley RN

STUDENTS

Ms Jill Guthrie, Co-supervisor with Dr Lisa Jackson-Pulver. University of New South Wales 'An exploration of the experiences of families of Indigenous children who are hospitalised in the ACT'

COLLABORATIVE ASSOCIATES

Associate Professor Jonathan Craig, Centre for Kidney Research, Children's Hospital Westmead

Professor Richard Telford, Lifestyle of Our Kids, Commonwealth Institute and AIS

Professor Anne Louise Ponsonby, Murdoch Children's Research Institute, Royal Children's Hospital Melbourne

RESEARCH PROJECTS

PRIVENT

PRIVENT trial (Prevention of Recurrent urinary tract Infection in children with Vesicoureteric reflux and Normal renal Tracts). A randomised controlled study to determine whether prophylactic antibiotics will prevent renal tract infections and scarring in children after first UTI presentation. With NHMRC clinical trials centre, University of Sydney.
Funded by NHMRC

The lifestyle of our kids (LOOK) project
A longitudinal study to examine the relationship between lifestyle exercise and cardiovascular disease in children from age 6 yrs. See other related entries.

School-Age Outcomes of Very Preterm Infants involved in the Antenatal Magnesium Sulphate Trial
This is an NHMRC funded follow up in children aged 8 years after preterm birth to assess the effect of Magnesium Sulphate given in labour on later development.

Australian Collaborative Trial of Repeat doses of Steroids for the prevention of Neonatal Respiratory Disease
The ACTORDS study was completed in 2002. Children were followed up in developmental assessment to 2 years. An 8 year follow up program is underway, also NHMRC funded.

Which oxygen level should we use for very premature infants? The Benefits of Oxygen Saturation Targeting study (BOOST II)
Boost 2 is an NHMRC funded trial involving the developmental follow-up of babies exposed to low and high levels of Oxygen during recovery from RDS and follows a previous trial (Boost 1)

Caffeine for Apnoea of Prematurity (CAP Trial)
A Canadian and Australian NHMRC funded Trial testing the developmental efficacy of caffeine used for the treatment of apnoea in preterm infants. With other Australian sites.

5-Year Follow-Up Of Efficacy and Safety of Methylxanthines in Very Low Birth Weight Infants: Cap (Caffeine for Apnea of Prematurity) Trial
Follow up at five years for children previously recruited to the CAP Trial (above) Canadian MRC and Australian NHMRC

International Neonatal Immune Therapy Study (INIS)
NHMRC and UK MRC funded Trial Infants followed to 5 years for developmental assessment with NHMRC, University of Sydney

INIT II
This trial is investigating whether intranasal administration of insulin will reduce the rate of development of diabetes in children and young adults at risk of type 1 diabetes. The study is seeking healthy people aged between 4 and 30, who have a first- or second-degree relative with type 1 diabetes.

TrialNet
The Type 1 Diabetes Prevention Study is an Australian observational study investigating whether intranasal administration of insulin will reduce the rate of development of type 1 diabetes in at-risk individuals.

Group A Strep Study (GAS)
A cross-sectional prospective study to describe carriage of and antibodies to ß haemolytic streptococcus antigens in children aged 0 to 10 years of age. Funded by Wyeth

Industry funded Clinical Trials

MET32
Safety and Immunogenicity of a Quadrivalent Meningococcal (A,C,Y and W-135) Tetanus Protein Conjugate Vaccine (TetraMen-T) in Toddlers Phase I/II, exploratory, randomised, observer-blinded, active-controlled, parallel, multi-centre study in 360 toddlers in Australia. Funded by Sanofi Pasteur Inc

HibMenC
A Phase III, Open, randomised, controlled, multi-centre study to demonstrate the non-inferiority of the meningococcal serogroup C and the Haemophilus influenzae type b immune response of GlaxoSmithKline (GSK) Biologicals' conjugate Hib-MenC vaccine co-administered with GSK Biologicals' measles-mumps-rubella vaccine, PriorixTM, versus MenC-CRM 197 conjugate vaccine co-administered with GSK Biologicals' Hib vaccine, HiberixTM, and PriorixTM in 12- to 18-month-old toddlers primed in infancy with a Hib vaccine but not with a meningococcal serogroup C vaccine; and to evaluate the long-term antibody persistence up to 5 years after the administration of the Hib-MenC vaccine. Funded by GSK

MenB Adolescent 501
A Randomised, Observer-Blinded, Parallel-Group, Active-Control, Phase1/2 Trial of the Safety, Immunogenicity and Tolerability of 20 mcg, 60 mcg, and 200 mcg of Meningococcal Group B rL2086 Vaccine in Healthy Adolescents Aged 8 to 14 Years. Funded by Wyeth International

MenB Toddler 502
A Phase 1, Randomised, Active-Comparator/ Placebo-Controlled, Observer-blinded trial of the Safety, Tolerability, and Immunogenicity of 20mcg, 60mcg, and 200 mcg of Meningococcal group B rLP2086 Vaccine in Healthy Toddlers Aged 18 to 36 Months.

PUBLICATIONS

Telford RD, Cunningham RB, Daly RM, Reynolds GJ, Lafferty A, Gravenmaker KG, Budge MM, Ahmad Javaid, Bass SM, Telford RM. Discordance of international adiposity classifications in Australian boys and girls - the LOOK study. Ann Hum Biol. 2008 May–Jun;35(3):334–41

Reynolds, G J. Beyond sweetness and warmth: transition of the preterm infant. Archives of Disease in Childhood Fetal & Neonatal Edition. 93(1):F2-3, 2008 Jan

Sandra Gillett, Dr Kaye Robertson, Professor Graham Reynolds, Sue Wrigley, Pamela Nash, Gillian Fox

Heike Rabe , Graham Reynolds, Jose Diaz-Rossello.(2008) A systematic review and meta-analysis of a brief delay in clamping the umbilical cord of preterm infants. *Neonatology 93;138–144*

Telford RD, et al., The lifestyle of our kids (LOOK) project: Outline of methods, J Sci Med Sport (2007), doi:10.1016/j. jsams.2007.03.009

PRESENTATIONS/ABSTRACTS

MenB Adolescent 501

Conference Presentations: Richmond P, Marshall H, Missen M D, Lambert S, Reynolds G, Booy R, Ziegler J, Gruber W, Jones T, Arora A. A Randomised, Observer-Blinded, Parallel-Group, Active-Control, Phase1/2 Trial of the Safety, Immunogenicity and Tolerability of 20 mcg, 60 mcg, and 200 mcg of Meningococcal Group B rL2086 Vaccine in Healthy Adolescents Aged 8 to 14 Years *Poster Presentation at IPCN conference 2008*

CANBERRA HOSPITAL

Renal Medicine

STAFF

Dr Girish Talaulikar, Clinical Director, Department of Renal Medicine, Canberra Hospital. Senior Lecturer, ANU Medical School

Dr Giles Walters, Senior Staff Specialist, Department of Renal Medicine, Canberra Hospital, Senior Lecturer, ANU Medical School

Dr Michael Falk, Senior Staff Specialist, Department of Renal Medicine, Canberra Hospital

Dr Richard Singer, Staff Specialist, Department of Renal Medicine, Canberra Hospital, Lecturer, ANU Medical School

Dr Krishna Karpe, Staff Specialist, Department of Renal Medicine

Dr Steven Yew, ANU Clinical Fellow, ANU Medical School

Dr Philip Clayton, Advanced Trainee in Nephrology, Department of Renal Medicine

Patricia Johnson, Research Officer Department of Renal Medicine, Canberra Hospital

Megan Hughes, Research Officer, Canberra Hospital

Adriana Pilar Garcia Londoño, Research Assistant, Renal Research Laboratory

COLLABORATIVE ASSOCIATES

Dr Carola Vinuesa, John Curtin School of Medical Research, Australian National University

Dr Matthew Cook, Department of Immunology, ANU Medical School

Dr. Walter Abhayaratna, Clinical Director, Clinical Trials Unit. ANU Medical School

Dr Ahamad Farshid and Dr Darryl McGill Department of Cardiology, Canberra Hospital

Dr Ben Jacobson, Department of Cardiology, Canberra Hospital

Prof Julia Potter, Director ACT Pathology

Assoc Prof Peter Hickman, Director Clinical Biochemistry

Assoc Prof Gerlese Akerlind Centre for Educational Development and Academic Methods, Australian National University

The Australian Kidney Trials Network

The European Union Vasculitis Group

The Cochrane Renal Group, Centre for Kidney Research, Westmead Hospital, NSW

RESEARCH PROJECTS

Multicentre Studies

MYCYC study – an multinational randomised controlled study of mycophenolate mofetil versus cyclophosphamide for induction of remission in systemic ANCA associated vasculitis.

EVOLVE study – a randomised controlled study of Cinacalcet use in dialysis patients measuring cardiovascular events and mortality.

Honeypot study – a randomised study of medihoney treatment of the exit site of peritoneal dialysis catheters in association with the Australian Kidney Trials Network.

Favored Study – a randomised controlled study of the treatment of arteriovenous fistulae in association with the Australian Kidney Trials Network.

SHARP study – a multinational randomised controlled trial of lipid lowering therapy in renal failure.

Local Studies

Ascorbate supplementation in severe kidney impairment: effect on quality of life.

25-Hydroxyvitamin D levels in prevalent Australian dialysis patients.

The PREDICT study – an observational study correlating echocardiographic measurements and biochemical markers with long term outcome in population with stage 4 or 5 chronic kidney disease. (Joint project with Cardiology Department).

Cardiac Risk Assessment in Renal Dialysis Patients. An observational study correlating serum measurements with long term outcome.

Voluntary Kidney Donor Study. An observational study of outcomes in live kidney donors.

T cells in Glomerulonephritis. A study to characterise T cells infiltrating the kidney in various glomerulonephritides.

Analysis of follicular helper T cells in lymphoid tissues and peripheral blood in normal individuals.

Measurement of Haemodialysis Access Flow Using Haemoglobin Dilution Test.

Calcineurin inhibitor withdrawal or tapering for kidney transplant recipients. A systematic review.

FUNDING

2008

The Canberra Hospital Private Practice Trust Fund $27,107.35

Determination of the diversity of T cell receptor gene usage by follicular T helper cells in health and lymphoproliferative disease. Dr Giles Walters

The Canberra Hospital Private Practice Trust Fund $28000. Voluntary Kidney Donor Study

PUBLICATIONS

Talaulikar D, Falk M, Talaulikar G. Pidcock M. Immune thrombocytopenia after renal transplantation for IgA nephropathy. Acta Haematolog. 2007; 117: 65–67

Hickman PE, Koerben G, Southcott E, Tate J, Dimeski G, Carter A, McGill D, Talaulikar G, Potter J. Newer Cardiac troponin I assays have similar performance to Troponin T in patents with end-stage renal disease. Ann Clin Biochem. 2007;44: 285–289

Itty CT, Farshid A, Talaulikar G. Spontaneous Coronary Artery Dissection in a Woman with Polycystic Kidney Disease. Am J Kidney Dis. 2009 Mar;53(3):518–21. Epub 2008 Nov 6

Giles Walters, Narelle S Willis, and Jonathan C Craig, 'Interventions for renal vasculitis in adults,' Cochrane Database of Systematic Reviews (Online), no. 3 (2008): CD003232, doi:10.1002/14651858.CD003232.pub2

Menahem S, Hiremagalur B, Mudge D, Toussaint N, Walters G., 'The CARI guidelines. Induction and maintenance therapy in ANCA-associated systemic vasculitis,' Nephrology (Carlton, Vic.) 13 Suppl 2 (July 2008): S24-36, doi:NEP995

Calcineurin inhibitor withdrawal or tapering for kidney transplant recipients. Protocol. Issue 4, 2007 Cochrane Library

PRESENTATIONS/ABSTRACTS

SHARP: An international randomized placebo controlled trial of lipid-lowering in chronic kidney disease - 1 year safety and biochemical efficacy. SHARP study collaborators. Poster presentation. American Society of Nephrology Annual Scientific Meeting.

Determinants of long-term compensation of glomerular filtration (GFR) in remnant kidneys in voluntary kidney donors.

Yew Steven, Karpe K, Walters G and Talaulikar GS. Annual Meeting of ANZ Society of Nephrology, Gold Coast, 2007.

Student focussed clinical training: Innovative model in a subspeciality medical ward in a tertiary hospital.

Talaulikar GS, Gatenby P and Akerlind G. Annual Meeting of ANZ Association for Medical Education. Canberra, 2007

CANBERRA HOSPITAL

Rheumatology Department

STAFF

Dr Anna Dorai Raj

A/Prof Kathy Tymms

Dr Andrew Brook

RESEARCH PROJECTS

Cheung PP, Tymms KE, Wilson BJ, Chipman J, Brook A, Dorai Raj AK, Khoo KB, Efficacy of Rituximab in patients with refractory rheumatoid arthritis

Wong LS, Khoo KB, Tymms KE, Brook AS, Shadbolt B, Dorai Raj AK, Effectiveness of patient education prior to commencement of biological disease modifying anti – rheumatic drugs (DMARDS)

Cheung PP, Tymms KE, Wilson BJ, Chipman J, Brook A, Dorai Raj AK, Khoo KB
Efficacy of Rituximab in patients with refractory rheumatoid arthritis

Cheung PP, Tymms KE, Davies SJ, Shadbolt B, Wilson BJ, Brook A, Dorai Raj AK, Khoo K
Predictors of TNF inhibitor switching for rheumatoid arthritis

Wong LS, Tymms KE, Buckley NA
Potential for methotrexate exposure through contamination with parenteral use of immunosuppressant dosage

PUBLICATIONS

Cheung PPM, Tymms KE, Wilson BJ, Shadbolt B, Brook AS, Dorai Raj AK, Khoo KBK, Infliximab therapy in severe active ankylosing spondylitis with spinal ankylosis, Internal Medical Journal 2008; 38: 396–401

Wong LS, Khoo KB, Tymms KE, Brook AS, Shadbolt B, Dorai Raj AK, Effectiveness of patient education prior to commencement of biological disease modifying anti-rheumatic drugs (DMARDS), Internal Medicine Journal 2008; (38 Suppl 2) A49

Cheung PP, Tymms KE, Wilson BJ, Chipman J, Brook A, Dorai Raj AK, Khoo KB, Efficacy of Rituximab in patients with refractory rheumatoid arthritis, Internal Medicine Journal 2008; (38 Suppl 2) A51

Dorai Raj AK,Wilson B, Tymms KE, Khoo K, Early rheumatoid arthritis clinic – experience in private practice, Internal Medicine Journal 2008; (38 Suppl 2) A52

Cheung PP, Tymms KE, Davies SJ, Shadbolt B, Wilson BJ, Brook A, Dorai Raj AK, Khoo K, Predictors of TNF inhibitor switching for rheumatoid arthritis, Internal Medicine Journal 2008; (38 Suppl 2) A50

Wong LS, Tymms KE, Buckley NA, Potential for methotrexate exposure through contamination with parenteral use of immunosuppressant dosage, Internal Medicine Journal 2008; (38 Suppl 2) A28

Nephrogenic fibrosing dermopathy: a new clinical entity mimicking scleroderma, PPM Cheung 1 A. K. Dorai Raj 1, Internal Medicine Journal 2008; 37 139–141

Strong association between the use of gadolinium-based contrast agents with nephrogenic fibrosing dermopathy/ nephrogenic systemic fibrosis, Letter to the Editor Internal Medicine Journal. 2007;7:509 , Cheung, PPM; Raj, AK Dorai Raj

Li RW, Freeman C, Yu D, Hindmarsh EJ, Tymms KE, Parish CR, Smith PN, Dramatic Regulation of heparanase activity and angiogenesis gene expression in synovium from patients with rheumatoid arthritis, Arthritis and Rheumatism 2008; 58:1590–1600

AWARDS

Cheung PPM, Tymms KE, Wilson BJ, Shadbolt B, Brook AS, Dorai Raj AK, Khoo KBK
Infliximab therapy in severe active ankylosing spondylitis with spinal ankylosis, Internal Medical Journal 2008 Jun 38(6) 396–401
Cited as one of 20 posters in the highlights in the ACR (American College of Rheumatology) Conference in 2007

Wong LS, Tymms KE, Buckley NA
Potential for methotrexate exposure through contamination with parenteral use of immunosuppressant dosage
Awarded best registrar presentation at the ARA (Australian Rheumatology Association) NSW annual meeting in 2007

CANBERRA HOSPITAL

Trauma and Orthopaedic Research Unit

STAFF

Assoc Prof Paul Smith, Director TORU, Clinical Director of Orthopaedics, Clinical Associate Professor, ANU Medical School

Dr Damian McMahon, Senior Lecturer in Surgery, ANUMS; Director, Shock Trauma Service, The Canberra Hospital; Director, Clinical Skills Centre, ANU Medical School

Assoc Prof Rachel Wei Li, Assoc. Prof (adjunct) University of Canberra, Senior Lecturer ANU, Laboratory Research Co-ordinator

Dr Jennie Scarvell. Senior Lecturer ANU (adj,), Senior Lecturer University of Canberra (adj). Clinical Research Co-ordinator

Ms Rachael Henson, RN, Shock Trauma Service

Ms Rebekah Ogilvie, RN, Shock Trauma Service

Ms Roxanne Sample, Research Officer

Mr Ben Serpell, Research Officer

Ms Sue Duggan, RN, RM

Ms Mingming Chen, Research Officer

Ms Kylie McKay, Office Manager

Ms Kristie Galovic, Office Manager

STUDENTS

Ms Angela Fearon, PhD candidate

Ms Diana Perriman, PhD candidate

Ms Susannah Littleton, PhD candidate

Ms Pu Han (Florina) Lo, Master of Science candidate

Dr Anil Nair, MPhil (Surgery) candidate

Dr Sivashankar Chandrasekaran, MPhil (Surgery) candidate

Dr Tom Ward, Medical student

Ms Renata Ganko Medical student

Mr Ross Penglase, Medical student

Mr Roberto Orifice, Medical student

Mr John Robilliard, Medical student

Mr Michael Jenkins, Medical student

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A/Prof Jill Cook, Deakin University

Dr Anne Leditschke and Dr Nevin Chinnan, ICU Canberra Hospital

Prof Graham Buirski, Medical Imaging

Di Lane, Adrian Meyer, Medical Imaging, Radiography

Prof Christian Lueck, Neurology

Dr Wes Cormick, Canberra Imaging Group

Dr Jane Twin, Capital Pathology

Prof Jane Dahlstrom, ACT Pathology, ANU Medical School

A/Prof Mark Pickering at School of Information Technology and Electrical Engineering, UNSW @ ADFA

Dr Laura Gladkis, School of Physical and Mathematical Sciences, UNSW @ ADFA

Dr Heiko Timmers, School of Physical and Mathematical Sciences, UNSW @ ADFA

A/Prof Alex Fisher, Geriatric Medicine

Dr Eddie O'Brien, Geriatric Medicine

Dr Bryan Ashman, Canberra Orthopaedic Group

Dr Andrew Hughes, Neurology, Canberra Hospital

Prof Bo Nivbrandt, Orthopaedic Surgery, University of Western Australia

Dr Zbigniew Stachurski, Director, Centre for Science and Engineering of Materials, Department of Engineering, ANU

Prof Chris Parish, Immunology and Genetics Division, John Curtin School of Medical Research, ANU

Rachel Judd, Diana Perriman, Roxanne Miller, Susannah Littleton, Angie Fearon, Dr Jennie Scarvell, Jane Wilson, Associate Professor Rachel Li, Associate Professor Paul Smith (absent)

Dr Craig Freeman, Immunology and Genetics Division, John Curtin School of Medical Research, ANU

Prof Paul Gatenby, Immunology, ANU Medical School; Director of Research, Canberra Hospital

Prof Bill Walsh, UNSW Orthopaedic Research Institute

RESEARCH PROJECTS

Detection of adipocytokines in aging patients with fractures
Rachel W. Li, Paul N Smith, Mingming Chen, Alex Fisher
There has been much effort recently to define the role of adipocytokines, which are soluble mediators derived mainly from adipocytes, in the interaction between adipose tissue, endocrine system, bone remodeling, inflammation and immunity. This study aims to detected several adipocytokines from aging patients with fractures for a better understanding their role and mechanism in the fractures in aging population.

Heparanase may be a potential biomarker of disease activity in Rheumatoid Arthritis (Pilot Study)
Rachel W Li, Paul N Smith, Mingming Chen, Craig Freeman, Jennie Scarvell, Paul Gatenby
The aim of this project is to examine heparanase activity, expression and its correlation with angiogenic pathway focused gene expression in synovium and plasma of RA patients.

Angiogenesis and osteogenesis in bone remodelling
Rachel W Li, Paul N Smith, Mingming Chen
It is apparent that for successful bone formation and growth, a complex interplay between angiogenesis and osteogenesis exists. We developed and investigated the synergistic effects of several new formulae with the aim of stimulating osteoblasts growing and regulating bone remodelling.

Skeletal muscle ischaemia study
Rachel W Li, Paul N Smith, Mingming Chen
The aim of this study is to evaluate the effects of a compound in the prevention of muscle ischemia in a pig ischemic skeletal muscle models. Results showed promising effects of the tested compound in prevention apoptosis.

Regulatory effect of heparanase on osteoblasts and osteoclasts
Rachel W Li, Paul N Smith, Mingming Chen
This is a continuous study in heparanase and osteoblasts with the specific focus on its effects on signaling pathway during osteoblast proliferation and differentiation.

Australian green tea on osteoblasts and adipocytes from diabetic osteoporosis in vitro
Rachel Li, Paul Smith
Collaborators including Dr John Golding from NSW Department of Primary Industries, Dr David Lin form University of Canberra, and Professor Stephen Myers form Southern Cross University.
One person is diagnosed with diabetes every three minutes in the UK, according to new figures from Diabetes UK published in January 2009. This study aims to investigate the mechanism of green tea in regulation gene expression relevant to diabetic and osteoporotic conditions.

Intramedullary suction in multiple long bones reaming (worst case study)
Paul Smith, Rachel Li, Anne Leditschke, Nevin Chinnan, Roxanne Sample, Mingming Chen, Thomas Brüsse
Intramedullary suction during multiple long bones reaming in a sheep model has shown promising results in reducing intramedulary pressure.

Risk for development of gastric cancer is associated with the MUC1 568 Adenosine to guanine polymorphism
Rachel Li, Paul Smith, David Lin, International collaborator, Professor Yuan Yuan.
The project collaborating with Professor Yuan Yuan form Cancer Institute and General Surgery of China Medical University aims to develop TORU's research capacities in cancer research and jointly looking at the population's susceptibility to cancer.

Fractured neck of femur outcomes
Paul N Smith, Sue Duggan, Alex Fisher
Since commencing in 2002 this has developed into a detailed database of information to explore quality of care and research questions such as delays to theatre, fluid resuscitation, outcomes of types of fixation, complications, and haemostasis.

Greater Trochanteric Pain Syndrome
Angie Fearon, Paul Smith, Jennie Scarvell, Wes Cormack, and Jill Cook
Collaborators include, Jane Twin (Capital Pathology) and Prof Jane Dahlstrom (ACT Pathology).This research has three arms: a clinical arm looking at assessment and outcomes for people treated conservatively or surgically for GTPS, a medical imaging arm looking at the role of MRI and ultrasound in diagnosis of GTPS and a tissue characteristics arm, looking at the roles of inflammation and degeneration on the bursal and tendon tissue of the hip.

Knee kinematics and knee function following total knee replacement
Ben Serpell, Tom Ward, Jennie Scarvell, Paul Smith
Knee kinematics is an area of specific research focus for TORU. Prospective longitudinal studies examine knee kinematics using fluoroscopy, and using flexible electrogoniometry, for better understanding of kinematics of osteoarthritic knees as well as comparison of prosthesis designs. TORU has recently developed RSA capacity for the most accurate analysis of knee kinematics and wear.

MRI kinematics of the posterior cruciate ligament deficient and reconstructed knee
Sivashankar Chandrasekaran, J Scarvell, P Smith, K Woods
There is controversy surrounding the indications and outcomes of reconstruction of acute or chronic posterior cruciate ligament injuries. This prospective study comparing the kinematics of the knees of healthy and PCL deficient subjects using MRI may demonstrate how motion is altered and inform reconstruction decisions.

2D to 3D image registration in medical imaging
Mark Pickering, Jennie Scarvell, Paul Smith
Image registration can merge the dynamic imaging of functional activities enabled by fluoroscopy with the 3D detail provided by MRI or CT, providing the most rapid and accurate analysis of bony kinematics, and using commonly available imaging tools.

Internal fixation for tibial plafond fractures
Anil Nair, Zbigniew Stachurski (ANU), Jennie Scarvell, Paul Smith
Tibial plafond fractures have poor outcomes due to difficulty of anatomical reduction and soft tissue damage. In this study single column locked plates and bicolumn non-locked plates used for fixation of simulated ankle fractures are tested for resistance to cyclical loading and load to failure.

Accident Care Evaluation Project
Susannah Littleton, Stephanie Poustie, Paul Smith, Ian Cameron (Public Health, University of Sydney), Brett Robinson (IAG Australia), Jennie Scarvell
ACE is a research study and educational programme designed to improve outcomes for individuals with minor to moderate motor vehicle accident injuries, by timely access to quality health providers who use evidence-based assessment, treatment, and rehabilitation practices.

Clinical outcomes of fat embolism after long bone fracture
Paul Smith, Damian Smith
Incidence of clinically significant fat embolism following long bone fractures, and the outcomes for these patients is explored to better inform surgical technique and decisions.

Use of intramedullary suction during long bone reaming for femur fracture
Paul Smith, Rachel Li, Anne Leditschke, Nevin Chinnan, Roxanne Sample, Diana Perriman
Intramedullary suction during long bone reaming in an animal model has shown promising results in reducing fat deposits in lung tissue and reducing cardiovascular stress.

Pelvic fractures and fixation
Paul Smith, Roxanne Sample, medical students.
Data on traumatic pelvic injuries provides information on incidence, management and outcomes, to better inform practice.

Thoracic kyphosis
Diana Perriman, Paul Smith, Andrew Hughes, Jennie Scarvell
A randomised controlled study of treatments for thoracic kyphosis, including both healthy subjects and people affected by stroke.

Viral arthritis
Suresh Mahalingham, Paul Smith, Rachel Li
State-of-the-art facility for human and animal virus research in the Canberra and surrounding regions is developed at University of Canberra, with clinical collaboration from TORU.

Radioisotope labeling to measure wear in knee prostheses
Laura Gladkis, Heiko Timmers, Rachel Li, Paul Smith, Jennie Scarvell
Atomic Force Microscopy has enabled direct characterisation of the size, shape and abundance of UHMW polyethylene wear particles arising from knee prostheses on a nanometer scale. Furthermore, radioisotope labeling of the polyethylene provides opportunities for highly accurate measurement of wear in vitro.

Femoral component rotation in total knee replacement
Alignment of the knee prosthesis is critical to form and function. This is a quality improvement study, using CT to image alignment post knee replacement.

10-Year Retrospective Study of Echelon Revision Total Hip Replacements, Clinical and Radiographic Evaluation
Revision hip replacements have a higher complication rate than primary hip replacements, for many reasons including poor bone stock, and muscle and tissue atrophy, and age and debility of the patients. This quality improvement project monitors the outcomes of revision hip replacement for this important patient group.

Trauma Resuscitation with blood in the pre-hospital environment
Researchers: Peake R, McMahon D, Ellingham J, Crispin P and staff of TORU

Long Distance Damage Control Surgery
Ogilvie R, McMahon D and staff of TORU

Qualitative and Quantitative review of the Australasian Trauma Verification Programme
Flabouris A, McMahon D

Traumatic Hepatic Injury
Lambrikis P, Ganadaran S, McMahon D

FUNDING

Australian Orthopaedic Association Research Grant

Royal Australian College of Surgeons, CONROD Fellowship

Bone Growth Foundation

Private Practice Fund of The Canberra Hospital

Synthes, Stryker, Biomet, DePuy, and Smith and Nephew

NHMRC Dora Lush Biomedical Scholarship, 3 years: Ms Diana Perriman

NHMRC PhD Scholarship, 3 years: Ms Mingming Chen

PUBLICATIONS

Rojas A, Robson S, McMahon D. Gastric perforation complicating laparoscopy. Australian and New Zealand Journal of Obstetrics and Gynaecology 2008; 48:222–223

Fisher AA, Southcott EN, Goh SL, Srikusalanukul W, Hickman PE, Davis MW, Potter JM, Budge MM, Smith PN. Elevated Serum Cardiac troponin I in older patients with hip fracture: incidence and prognostic significance, Archives of Orthopaedic and Trauma Surgery 128 :1073–9, 2008

Gladkis LG, Li RW, Scarvell JM, Smith PN, Timmers H. Exploration of the size, shape and abudance of UHMWPE wear particles using atomic force miscroscopy. Wear–special edition. In Press 2008

Li RW, Freeman C, Yu D, Hindmarsh EJ, Tymms KE, Parish CR, Smith PN. Dramatic Regulation of Heparanase Activity and Angiogenesis Gene Expression in Synovium From Patients With Rheumatoid Arthritis. Arthritis and Rheumatism 58:1590–600, 2008

Smith PN, Leditschke LA, McMahon D, Sample RR, Perriman DM, Prins A, Brüssel T, Li RW. Monitoring and Controlling Intramedullary Pressure Increase in Long Bone Instrumentation: a Study on Sheep. Journal of Orthopaedic Research 26:1327–1333, 2008

Cahill JL, Shadbolt B, Scarvell JM, Smith PN. Quality of life after infection in total joint replacement Journal of Orthopaedic Surgery 16: 58-65, 2008

Lin GD, Li RW, Myers SP, Leach DN. A Method of Selecting Plants with Anti-Inflammatory Potential for Pharmacological Study. Natural Product Communications. 3:, 71–76, 2008

Smith PN, Perriman DM, Sample RR, Gissane J, Li RW. A Method of Monitoring and Controlling Intramedullary Pressure Increase during Long Bone Instrumentation. Injury Extra. 38:422–426, 2007

Fisher AA, Southcott EK, Srikusalanukul W, Davis MW, Hickman PE, Potter JM, Smith PN. Relationships between Myocardial Injury, All-cause Mortality, Vitamin D, PTH, and Biochemical Bone Turnover Markers in Older Patients with Hip Fractures. Annals of Clinical & Laboratory Science 37:222–232, 2007

Scarvell JM, Smith PN, Galloway H, Refshauge KM. Magnetic Resonance Imaging Analysis of Kinematics in Osteoarthritic knees. Journal of Arthroplasty 22: 383–393, 2007

Morrison TE, Fraser RJ, Smith PN, Mahalingam S, Heise MT. Complement contributes to inflammatory tissue destruction in a mouse model of Ross River virus-induced disease. Journal of Virology. 81:5132–43, 2007

Seely D, Kennedy DA, Myers SP, Cheras PA, Lin D, Li RW, Cattley T, Brent P, Mills E, Leanard B. In Vitro Analysis of the Herbal Compound Essiac. Anticancer Research (27) 3875–3882, 2007

Fisher AA, Davis MW, Rubenach SE, Sivakumaran S, Smith PN, Budge MM. Outcomes for older patients with hip fractures: the impact of orthopaedic and geriatric medicine co-care. Journal of Orthopaedics and Trauma. 20(3):172–8, 2006

Li RW. Theriault AG. Au K. Douglas TD. Casaschi A. Kurowska EM. Mukherjee R. Citrus polymethoxylated flavones improve lipid and glucose homeostasis and modulate adipocytokines in fructose-induced insulin resistant hamsters. Life Sciences. 79:365–73, 2006

Scarvell JM, Smith PN, Refshauge, KM, Galloway HR, Woods KR. Does anterior cruciate ligament reconstruction restore normal knee kinematics? A prospective MRI analysis over two years. Journal of Bone and Joint Surgery (Br) 88-B: 324–330, 2006

PRESENTATIONS/ABSTRACTS

Littleton S, Poustie S, Cameron ID, Smith PN, Robinson B, Butler J, Hughes D. Improving outcomes after musculoskeletal injuries in motor vehicle crashes: a controlled trial. Better Choices Better Health Conference, Adelaide, November 2008

Li RW, Smith PN, Lo PH, Chen M, Freeman C. Angiogenic and osteogenic therapy in bone remodelling. Australian Pharmaceutical Science Association Conference, Canberra, December 6–9, 2008

Sample RR, Smith PN, Leditschke A, McMahon D, Chinnan NK, Li RW. Prevention of fat embolism using intramedullary suction system (ISS) on fractured long bone sheep model. ANZORS. Brisbane, November 2008

Pickering MR, Scarvell JM, Smith PN. A new technique for registration of 2D x-ray fluoroscopy to 3D CT data for the analysis of knee kinematics. ANZORS. Brisbane, November 2008

Gladkis LG, Li RW, Scarvell JM, Smith PN, Timmers. Direct characterisation of UHMWPE wear particles using atomic force microscopy. ANZORS. Brisbane November 2008

Nair A, Scarvell JM, Stachurski Z, Smith PN. Biomechanical analysis of fracture fixation in tibial pilon fractures anterolateral locked plate versus bicolumn non locked plates. AOA ACT Branch Scientific meeting. Canberra, November 2008

Dey A, Scarvell JM, Duggan S, Smith PN. Risk factors for postoperative blood transfusion in hip fracture patients. AOA ACT Branch Scientific meeting. Canberra, November 2008

Gladkis LG, Timmers H, Li R, Scarvell JM, Smith PN. Implantation of radioisotope tracers into knee joint materials. AOA ACT Branch Scientific meeting. Canberra, November 2008

Smith PN, Thomas B, Duggan S. The effect of co-morbidities on the hospital length of stay and post operative discharge destination of home residential elderly patients after a fracture of neck of femur. AOA ACT Branch Scientific meeting. Canberra, November 2008

Duggan S, Thomas B, Smith PN. The effect of co-morbidities on the hospital length of stay and post operative discharge destination of home residential elderly patients after a fracture of neck of femur. ACT Aged Care Forum in May 2008

Ward T, Serpell B, Gillespie M, Burns AWR, Scarvell JM, Smith PN. Bi-cruciate stabilised total knee replacements reproduce pre-operative sagittal plane kinematics - preliminary results of a randomised controlled trial. AOA ACT Branch Scientific meeting. Canberra, November 2008

Tsai N, Perriman D, Gray A, Sample RR, Ashman B. Scheuermann's Disease - Diagnosis and Measurement of Kyphosis. AOA ACT Branch Scientific meeting. Canberra, November 2008

Chandrasekaran S, Hader A, Scarvell JM, Burns AWR, Smith PN. Vacuum assisted closure therapy for fasciotomy wounds of the leg reduces the requirement for split skin grafting. AOA ACT Branch Scientific meeting. Canberra, November 2008

Rae H, Smith PN, Kulisiewicz G, Scarvell JM. Complication rates, stem survivorship and patient outcomes from the use of a porous coated, distally slotted, fluted femoral stem in revision hip arthroplasty; a ten year review. AOA ACT Branch Scientific meeting. Canberra, November 2008

Chandrasekaran S, Scarvell JM, Smith PN. MRI kinematics of the PCL deficient knee: initial results. AOA ACT Branch Scientific meeting. Canberra, November 2008

Chandrasekaran S, Duggan S, Scarvell JM, Ashman B, Smith PN. Does anticoagulation medication alter blood loss and transfusion requirements in patients undergoing emergency surgery for fractured neck of femur. AOA ACT Branch Scientific meeting. Canberra, November 2008

Fearon AM, Smith PN, Scarvell JM. Minimum one year outcomes and satisfaction following gluteal tendon reconstruction. 68th Australian Orthopaedic Association Annual Scientific Meeting. Hobart, October 2008

Pickering MR, Scarvell JM, Smith PN. A new technique for registration of 2D x-ray fluoroscopy to 3D CT data for the analysis of knee kinematics. 68th Australian Orthopaedic Association Annual Scientific Meeting. Hobart, October 2008

Li RW, Lo PH, Freeman C, Smith PN. Heparanase up-regulates osteogenic gene expression: a potential biological reagent for bone remodelling. T68th Australian Orthopaedic Association Annual Scientific Meeting. Hobart, October 2008

Li RW, Lin D, Douglas T, Theriault A, Smith PN. Green tea protects fat gain and bone loss. National Institute of Complementary Medicine Collaborative Centre Networking Forum, Sydney, October 2008

Perriman, DM; Scarvell, JM; Hughes, A; Lueck, CJ; Ashman, B; Smith, PN. Measurement of flexion and extension of the thoracic spine with the flexible electrogoniometer. 68th Australian Orthopaedic Association Annual Scientific Meeting. Hobart, October 2008

Perriman DM. The Classification of Sagittal Spinal Posture. ACT Branch APA Symposium. ACT, September 2008

Perriman DM, Scarvell JM, Hughes A, Lueck CJ, Smith PN. Which is the best exercise to Train the thoracic Erector Spinae. A surface EMG Study
ASMR Young Investigators Forum. ACT, June 2008

Smith PN, Thomas B, Duggan SM. The effect of co Morbidities on the hospital length of stay and post operative discharge destination of home residential elderly after a fracture of neck of femur. Aged Care Forum, ACT, May 2008

Lin GD, Li RW, Bittenbeder HC, Tang CS. Kava toxicology update: interaction between Kava alkaloid and kavalactones. Australian Pharmacology Conference, Adelaide, December 2007

Fearon AM, Cormick W, Scarvell JM, Smith PN. 2007 Greater Trochanteric Pain Syndrome—where is the pathology? 6th Interdisciplinary World Congress on Low Back and Pelvic Pain. Barcelona, November 7–10

Gladkis LG, Scarvell JM, Smith PN, Timmers H. A new methodology in prosthesis research. Radioisotope tracing of knee implant wear. NCTA Conference. 15th AINSE Conference on Nuclear and Complementary Techniques of Analysis (NCTA), University of Melbourne, November 2007

Gladkis L, Timmers H, Scarvell JM, Smith PN. Development of a constant load knee simulator to study wear in knee prostheses. AOA, ACT Branch Meeting. Canberra, November 2007

Fearon A, Scarvell JM, Cormick W, Smith PN. Identifying the site of pathology in greater trochanter pain syndrome via imaging and surgery. A pilot study. AOA, ACT Branch Meeting. Canberra, November 2007

Li RW, Smith PN, Lo PH, Sample RR, Freeman C. Heparanase (HPSE) Up-regulates Human Osteogenic Gene Expression. AOA, ACT Branch Meeting. Canberra, November 2007

Lo PH, Smith PN, Freeman C, Li RW. Heparanase (HPSE) Stimulates Osteoblasts Proliferation and Differentiation. AOA, ACT Branch Meeting. Canberra, November 2007

Perriman DM, Ashman B, Hughes A, Lueck CJ, O'Brien ED, Rivera J, Sample RR, Scarvell JM, Smith PN. Accurate measurement of thoracic kyphosis. AOA, ACT Branch Meeting. Canberra, November 2007

Smith PN, Lo PH. Freeman C, Li RW. Heparanase stimulates osteoblasts via regulation of osteogenic gene expression. Australian and New Zealand Orthopaedic Research Association 13th Annual Meeting, Auckland, October 2007

Diana M. Perriman, Jennie M. Scarvell, Andrew Hughes, Paul N. Smith. Measurement of Thoracic Kyphosis. ACT Branch APA Symposium. ACT, September 2007

Smith PN, Leditscke A, McMahon D, Sample R, Perriman D, Prins A, Brussel T, Li RW. Controlling Intramedullary Pressure Increase in Long Bone Instrumentation in Sheep study. Australian Orthopaedic Association Annual Meeting, Gold Coast, September 2007

Smith PN, Lo PH, Sample RR, Freeman C, Li RW. Heparanase (HPSE) is expressed in human osteoblasts and associated with bone diseases. AOA, ACT Branch Meeting. Canberra, November 2007

Gladkis LG, Haberska L, Smith PN, Scarvell JM, Timmers H. Radioisotope tracing of knee implant wear. Materials and Austceram conference. Sydney, July 2007

Dalvi R, Abugharbieh R, Pickering M, Scarvell JM, Smith PN. Registration of 2D to 3D Joint Images Using Phase-Based Mutual Information. SPIE Medical Imaging, San Diego-USA, 2007, pp. 651209 1–9

McMahon D. Emergency Surgery as a Career. Austrauma 2008 Sydney, February 2008

Foster A, McMahon D. Field surgery for Trauma – Hasten Quickly. Annual Scientific Congress, Royal Australasian College of Surgeons, Hong Kong, May 2008 Abstract published Australian and New Zealand Journal of Surgery 2008; 208: 140

Henson R, McMahon D, McInerny C, Peady C. Field Surgery for Trauma. Rural Critical Care Conference 2008

AWARDS

Ms Pu Han (Florina) Lo. 'Heparanase Stimulates Human Osteoblasts via Regulation of Osteogenic Genes'. Master of Science, John Curtin School of Medical Research, ANU.

Associate Professor Paul Smith

CANBERRA HOSPITAL

Aged Care and Rehabilitation Services

STAFF

Associate Professor Marc Budge, Director, Geriatric Medicine

Associate Prof Paul Dugdale, Director Chronic Disease Management

Dr Chris Katsogiannis, Director, Rehabilitation Medicine

Dr Wichat Srikusalanukul, Research Manager

Clinical Associate Professor Michael Davies

Associate Professor Alex Fisher

Ms Karen Gravenmaker, Registered Nurse/ Clinical Trial Coordinator

Dr Eddie O'Brien (until 2007)

Dr Anil Paramadhathil

Dr Mary-Ann Ryall

Dr Seeva Sivakumaran

Dr Sabari Saha

Dr Rajiv Wadhwa

Dr Keith Chan

Ms Jennifer Young, Research Assistant

Dr Andrew Janke, Research Fellow

Ms Jennie Yaxley, Physiotherapist (until 2007)

COLLABORATIVE ASSOCIATES

Professor Jenny Abbey, Queensland University of Technology

Proferssor Elizabeth Beattie, Queensland University of Technology

Dr Walter Abhayaratna, Canberra Hospital

Professor David Ames, University of Melbourne & St. Vincent's Health

Associate Professor Kaarin Anstey, Australian National University

Professor Henry Brodaty, University of New South Wales

Associate Professor Laurie Brown, University of Canberra

Professor Branko Celler, University of New South Wales

Professor Merril Elias, Boston University, USA

Dr Shyan Goh, Canberra Hospital

Dr Ahmad Javaid, Canberra Hospital

Dr David Lie, University of Queensland

Professor Ralph Martins, Edith Cowan University

Professor Colin Masters, University of Melbourne

Ms Lynette Moore, Executive Director, Alzheimer's Australia Victoria

Associate Professor Christopher Reid, Monash University, Melbourne

Professor Elsdon Storey, Monash University, Melbourne

Professor Richard Telford, Commonwealth Institute

Associate Professor Andrew Tonkin, Monash University

Professor Tien Wong, University of Melbourne

A/Prof Emily Banks, Australian National University

Prof Alan Coulthard, Dr Steve Rose, Dr Jonathan Chalk, Prof Graham Galloway (Uni Qld), Prof Tony Broe (UNSW), Prof Brian Tress (Uni Melb)

A/Prof Louis Collins, Prof Alan Evans, Mr Jonathan Harlap, Mr Sebastian Muelboeck (McGill Uni, Montreal, Canada)

Prof Albert Gjedde (Aarhus Uni, Denmark)

Prof Christian Spenger (Karolinska Institute, Stockholm, Sweden)

Dr Wichat Srikusalanukul, Jodie Martin, Dr Andrew Janke, Karen Gravenmaker, Associate Professor Marc Budge, Dr Sabari Saha, Associate Professor Alex Fisher, Dr Keith Chan, Dr Rajiv Wadhwa

RESEARCH PROJECTS

Lifestyle Of Our Kids (LOOK) project
$4.1M. Richard Telford, Commonwealth Institute, Budge MM and Javaid A, Commonwealth Institute 2005–9: A longitudinal project with primary school children to study physical and psychological health over a four-year period from Grade 2 to Grade 6.

Dementia Collaborative Research Centre
$2.2 M. 2006–9, Budge MM, Masters C, Ames D, Moore L, Martins R, Brown L and Lie D) The Commonwealth Department of Health and Ageing Initiative project for dementia research focusing on Prevention, Early Intervention and Risk Reduction.

Maine–Syracuse (Boston) Study: Arterial Stiffness, blood pressure and cognitive performance
$2.9M. 2005–9, Elias M, Boston University, Budge M) National Heart, Lung, and Blood Institute (NHLBI).

ARC Ageing Well Research Network
$2.5M. Kendig H, Sydney University, Budge M and ANU core participants.

Calcium-vitamin D-parathyroid hormone axis in older patients with hip fractures 1999–2008
Fisher A et al. A prospective study of parathyroid hormone and vitamin D status, and the relationship between these parameters with clinical signs and outcomes of hip fractures.

Leptin and hip fractures in older persons
(Fisher A et al)
A prospective study of the relationship between leptin and markers of bone metabolism in patients with hip fractures.

UK Prospective Diabetes Study (UKPDS)
$140K, 2002–6 (Smith D, Budge MM) Medical Research Council UK.

Estimation of vitamin D status in a healthy population
$24,467, 2005–6, Sivakumaran S, Paramadhathil A, Srikusalanukul W, Hickman P, Davis M, Fisher A, Budge MM, The Canberra Hospital Private Practice Fund.

45 AND UP Study
Budge M, Institute of Health Research, NSW: longitudinal study of 250,000 adults; older persons thematic committee.

Myocardial injury (cardiac troponin I elevation) in hip fracture patients.
Fisher A, et al

Pathway through Life Study
Centre for Mental Health Research, ANU: *The Challenge of Cognitive Decline in Ageing (longitudinal study),* $3.9M

MRC Foresight Challenge Grant, OPTIMA, University of Oxford and Industrial partners; final follow-up

Neuro-Imaging
Collaboration with OPTIMA, University of Oxford and the Montreal Neurological Institute.

FUNDING

Dementia Collaborative Research Centre 2005–9 ($2.2 M): The Commonwealth Department of Health and Ageing Initiative project for dementia research focusing on Prevention, Early Intervention and risk reduction. Budge MM, Masters C, Ames D, Moore L, Martins R and Lie D.

ENVISion NeuroVascular Imaging sub-study of ASPREE ($1.3 M: 2008–2012): An NHMRC funded randomised clinical trial to examine the outcomes of low dose aspirin in preventing vascular and cognitive decline in healthy older adults.

Lifestyle Of Our Kids (LOOK) project ($4.1M)*:* A longitudinal project with primary school children to study physical and psychological health over a four-year period from Grade 2 to Grade 6. Richard Telford (AIS); M Budge Cardiovascular and Bone Health Research Team.

Brain imaging fellow: ANDI–Australian Normative and Dementia Imaging database project (over $200,000; 2007–08) to support Dr Andrew Janke.

PUBLICATIONS

Fisher AA, Southcott EN, Goh SL, Srikusalanukul W, Hickman PE, Davis MW, Potter JM, Budge MM, Smith PN. Elevated serum cardiac troponin I in older patients with hip fracture: incidence and prognostic significance. *Arch Orthop Trauma Surg.* 2008;128:1073–1079

Vogiatzoglou A, Refsum H, Johnston C, Smith SM, Bradley KM, de Jager C, Budge MM, Smith AD. Vitamin B12 status and rate of brain volume loss in community-dwelling elderly. *Neurology.* 9 2008;71:826–832

Nepal B, Ranmuthugala G, Brown L, Budge M. Modelling costs of dementia in Australia: evidence, gaps, and needs. *Aust Health Rev.* Aug 2008;32:479–487

Dore GA, Elias MF, Robbins MA, Budge MM, Elias PK. Relation between central adiposity and cognitive function in the Maine-Syracuse Study: attenuation by physical activity. *Ann Behav Med.* 2008;35:341–350

Telford RD, Cunningham RB, Daly RM, Reynolds GJ, Lafferty ARA, Gravenmaker KJ, Budge MM, Javaid A, Bass SL, Telford RM. Discordance of international adiposity classifications in Australian boys and girls - the LOOK study. *Ann Hum Biol.* 2008;35:334–341

Abhayaratna WP, Srikusalanukul W, Budge MM. Aortic stiffness for the detection of preclinical left ventricular diastolic dysfunction: pulse wave velocity versus pulse pressure. *J Hypertens.* 2008;26:758–764

Elias MF, Robbins MA, Budge MM, Elias PK, Dore GA, Brennan SL, Johnston C, Nagy Z. Homocysteine and cognitive performance: modification by the ApoE genotype. *Neurosci Lett.* 2008;430:64–69

Braithwaite J, Westbrook JI, Foxwell AR, Boyce R, Devinney T, Budge M, Murphy K, Ryall MA, Beutel J, Vanderheide R, Renton E, Travaglia J, Stone J, Barnard A, Greenfield D, Corbett A, Nugus P, Clay-Williams R. An action research protocol to strengthen system-wide inter-professional learning and practice [LP0775514]. *BMC Health Serv Res.* 2007;7:144

Telford RD, Bass SL, Budge MM, Byrne DG, Carlson JS, Coles D, Cunningham RB, Daly RM, Dunstan DW, English R, Fitzgerald R, Eser P, Gravenmaker KJ, Haynes W, Hickman PE, Javaid A, Jiang X, Lafferty ARA, McGrath M, Martin MK, Naughton GA, Potter JM, Potter SJ, Prosser L, Pyne DB, Reynolds GJ, Saunders PU,

Seibel MJ, Shaw JE, Southcott E, Srikusalanukul W, Stuckey D, Telford RM, Thomas K, Tallis K, Waring P. The lifestyle of our kids (LOOK) project: Outline of methods. J Sci Med Sport. 2009 Jan;12(1):156–63. Epub 2007 Oct 24

Fisher AA, Davis MW. Calcium-PTH-vitamin D axis in older patients with hip fracture. *Osteoporos Int.* 2007;18:693–695; author reply 697

Narayanan MR, Lord SR, Budge MM, Celler BG, Lovell NH. Falls management: detection and prevention, using a waist-mounted triaxial accelerometer. Conf Proc IEEE Eng Med Biol Soc 2007; 2007: 4037–40

Fisher AA, Southcott EK, Srikusalanukul W, Davis MW, Hickman PE, Potter JM, Smith PN. Relationships between myocardial injury, all-cause mortality, vitamin D, PTH, and biochemical bone turnover markers in older patients with hip fractures. *Ann Clin Lab Sci.* 2007;37:222–232

BUSINESS & INFRASTRUCTURE

Medical Physics, Biomedical Engineering

STAFF

Mr Ewe Lam, Acting Chief Physicist

Mr Ravi Thuravisamy, Senior Physicist

Mr Ben Cooper, Senior Physicist

Ms Simran Gill, Registrar Physicist

Mr Dean Wilkinson, Registrar Physicst, MSc candidate (Wollongong University)

STUDENTS

Mr Dean Wilkinson, University of Wollongong

COLLABORATIVE ASSOCIATES

Dr Brendan Hill, Gold Coast Cancer Centre (supervisor for Dean Wilkinson's MSc project)

RESEARCH PROJECTS

Calibration of diode probes and MOSFET detectors for in-vivo dosimetry in HDR brachytherapy

This is ongoing work being carried out by Dean Wilkinson. The outcome of this work is that patients undergoing brachytherapy, a form a radiation therapy for cancer treatment, will benefit from a more accurate dose monitoring system whilst they undergoing the actual treatment. This will provide the radiation oncologist with more information that will facilitate better patient management.

A Study into dosimetry of the Shielded Vaginal Cylinders in HDR Brachytherapy

This project was undertaken by Simran Gill. The main aim of this study was to verify the dose distribution of the standard vaginal plans prescribed by the Brachytherapy Planning System. The transmission factors were measured using a combination of 90 and 180 degree tungsten shields. An estimate of the error introduced by the planning system due to absence of heterogeneity corrections was also made.

FUNDING

2008

The Canberra Hospital Private Practice Trust Fund for travel and accommodation attending the EPSM conference in Christchurch, New Zealand, 2008 (see below).

Radiation Oncology Private Practice Fund for registration, travel and accommodation attending the ABG conference in Sydney, Australia.

PRESENTATIONS/ABSTRACTS

Calibration of diode probes and MOSFET detectors for in-vivo dosimetry in HDR brachytherapy. D Wilkinson, D Cutajar, A Rozenfeld, B Hill. EPSM - Annual Scientific meeting of the Australian College of Physical Scientists and Engineers in Medicine, Christchurch, New Zealand, 16–20 November, 2008.

A Study into dosimetry of the Shielded Vaginal Cylinders in HDR Brachytherapy
G Gill, H Seo, M Haque, R Hill. ABG – 17th Australasian Brachytherapy Group, Annual Scientific Meeting, Star City Casino, Sydney, Australia, 31st July–2 August, 2008.

CAPITAL REGION CANCER SERVICE

Department of Medical Oncology

STAFF

Associate Professor Paul Craft, Director, Medical Oncology Unit, Senior Staff Specialist in Medical Oncology

Professor Robin Stuart Harris, Director, Capital Region Cancer Service, Senior Staff Specialist in Medical Oncology

Associate Professor Desmond Yip, Senior Staff Specialist in Medical Oncology

Dr David Leong, Senior Staff Specialist in Medical Oncology

Dr Alison Davis, Senior Staff Specialist in Medical Oncology, Lecturer, ANU Medical School

Dr Nicole Gorddard, Staff Specialist in Medical Oncology, Lecturer, ANU Medical School

Dr Ganesalingham Pranavan, Advanced Trainee in Medical Oncology

Dr Thean Hsiang Tan, Advanced Trainee in Medical Oncology

Dr Yu Jo Chua, Advanced Trainee in Medical Oncology

Mrs Olive Doig, Clinical Trials Manager

Mrs Barbara Harris, Clinical Trials Coordinator

Ms Kelly Chase, Clinical Trials Coordinator

Mrs Penny Briese, Clinical Trials Administrative Officer

COLLABORATIVE ASSOCIATES

A/Prof Peter Gibbs, Medical Oncologist Royal Melbourne Hospital, Ludwig Institute of Research, Melbourne.

Dr Christine Hemmings, Staff Specialist in Anatomical Pathology. ACT Pathology.

Dr Anneke Blackburn. Research Fellow, Molecular Genetics Group. Division of Molecular Bioscience, The John Curtin School of Medical Research.

RESEARCH PROJECTS

Clinical Trials

A randomised, multicentre Phase 3 study to compare the efficacy of panitumumab in combination with chemotherapy to the efficacy of chemotherapy alone in patients with previously treated metastatic colorectal cancer.

FACE: A Randomised, Multi-centre, Phase 3b, Open label, study of letrozole versus anastrozole in the adjuvant treatment of postmenopausal women with hormone receptor and node positive breast cancer.

SOFT: A Phase 3 trial evaluating the role of ovarian function suppression and the role of exemestane as adjuvant therapies for pre-menopausal women with endocrine responsive breast cancer.

A Randomized, Double-blind, Multicentre Study of Denosumab Compared with Zoledronic Acid (Zometa®) in the Treatment of Bone Metastases in Patients with Advanced Breast Cancer.

A multicentre, randomized double blind placebo controlled phase III study of the efficacy of Xaliproden in preventing the neurotoxicity of oxaliplatin in patients with metastatic colorectal cancer receiving first line therapy with oxaliplatin/5FU/LV.

Phase III study of erlotinib vs observation in patients with no evidence of disease progression after first line platinum based chemotherapy for high risk stage I and stage II-IV ovarian epithelial, primary epithelial or fallopian tube cancer.

A double-blind randomized, placebo-controlled Phase III study to assess the efficacy of recMAGE-A3 +AS15 Antigen-Specific Cancer Immunotherapeutic as adjuvant therapy in patients with respectable MAGE-A3-positive Non-Small Cell Lung Cancer.

Olive Doig, Anne Ryan, Dr Nicole Gorddard, Associate Professor Desmond Yip

Phase III trial of capecitabine plus enzastaurin, placebo, metastatic or recurrent breast cancer previously treated with an anthracycline & a taxane.

A Phase III trial evaluating the role of ovarian function suppression and the role of exemestane as adjuvant therapies for pre-menopausal women with endocrine responsive breast cancer.

GSK EGF30008 Lapatinib/Placebo + Letrozole in advanced/metastatic breast cancer.

A Feasibility Study of Patient-initiated outpatient management of febrile neutropenia.

Pivotal trial, determine the efficacy and safety of AP23573 when administered as maintenance therapy to patients with metastatic soft-tissue or bone sarcomas.

A multicentre, randomized double blind placebo controlled phase III study of the efficacy of Xaliproden in preventing the neurotoxicity of oxaliplatin in patients with metastatic colorectal cancer receiving first line therapy with oxaliplatin/5FU/LV.

Double-blind, placebo-controlled phase III study to assess efficacy of recMAGE-A3+AS15 antigen specific cancer immunotherapeutic as adjuvant therapy in patients with resectable MAGE A3 positive non-small cell lung cancer.

G-POD: Predictive Value of ABCB1 Genotypes on Dose Adjustment of Imatinib in patients with GIST and CML.

Preferences for adjuvant chemotherapy (ACT) in non-small-cell lung cancer: What makes it worthwhile to patients and their doctors? Observational cohort study of patients, surgeons and oncologists.

A phase II dose escalation to rash trial of erlotinib (Tarceva) plus gemcitabine in patients with metastatic pancreatic cancer.

ICON7: A randomized, comparative, two-arm, open-label, multicenter phase III study ofA randomized, comparative, two-arm, open-label, multicenter phase III study of adding bevacizumab to standard chemotherapy (carboplatin and paclitaxel) in epithelial ovarian cancer patients who have not received prior systemic antitumour therapy.

AXIS: Axitinib as secondline therapy for metastatic renal cell cancer.

CARIATIDE - Compliance of Aromatase Inhibitors Assessment in Daily.

Practice through Educational approach.

An open-label, multi-center, expanded access study of RAD001 in patients with metastatic carcinoma of the kidney who have progressed despite vascular endothelial growth factor receptor tyrosine kinase inhibitor therapy.

Other Projects

BioGrid Australia (formerly known as Bio21 Molecular Medicine Informatics Model (MMIM)). Linkage of research databases within the ACT to national Life Sciences Grid. Establishment of local node at the Australian National University.
A/Prof D Yip, Dr D. Taupin, A/Prof M Budge, A/Prof C.Nolan, Dr C. Hemmings, A/Prof G Khurana

A/Prof Christine Clarke
Retrospective audit of pathological reporting of colorectal cancer pre and post introduction of synoptic reporting. Dr TH Tan, A/Prof D Yip, Dr C Hemmings, Dr P Gibbs

Breast Cancer Tissue Bank
Establishment of ACT collection centre for breast tissue and serum bank as part of collaborative project with Westmead Millenium Institute.

A/Prof D Yip, Prof J. Dahlstrom, A/Prof S Jain, Dr P Barry, Ms Jane Carpenter
Investigation of EGFR expression and cetuximab responsiveness in colorectal carcinoma using fluorescence or chromogen in-situ hybridisation and immunohistochemistry. Hemmings CT, Yip D

Chemotherapy in the last months of life in cancer patients referred for palliative care. Parker S, Skeels A, Yip D
Cognitive function, mood and quality of life in women with early breast cancer receiving adjuvant chemotherapy: a prospective controlled study. PI: Rachel Lacey, School of Psychology, The Australian National University Supervisors: Professor Don Byrne and Dr Anne Aimola Davies (Collaboration).

Is FEC chemotherapy associated with an increased risk of thrombosis compared to other chemotherapy regimens in women receiving adjuvant chemotherapy for early breast cancer. Hoy J, Neeman T, Stuary-Harris R, Davis A

FUNDING

2008

Cancer Council ACT $44,000
A Cancer Clinical Trials Research Programme in the ACT. Cancer Council ACT
A/Prof D Yip

The Canberra Hospital Radiation Oncology Private Practice Trust Fund $20,000
Installation and implementation of Bio21:MMIM (Molecular Medicine Informatics Model now known as BioGrid Australia) in Canberra.
A/Prof D Yip, Dr D Taupin, A/Prof M.Budge, A/Prof C Nolan, Dr C.Hemmings A/Prof G Khurana

PUBLICATIONS

Burns CM, Broom DH, Smith WT, Dear K, Craft PS. Fluctuating awareness of treatment goals among patients and their caregivers: a longitudinal study of a dynamic process. Support Care Cancer, 2007, 15:187–96

Tinker AV, Gebski V, Fitzharris B, Buck M, Stuart-Harris R, Beale P, Goldrick A, Rischin D. Phase II trial of weekly docetaxel for patients with relapsed ovarian cancer who have previously received paclitaxel–ANZGOG 02-01. Gynecol Oncol. 2007;104:647–53

Young, J Leong, D Armstrong, K. et al, Concordance with national guidelines for colorectal cancer care in New South Wales: a population-based patterns of care study, Medical Journal of Australia, 2007;186: 292–295

Davis AJ, Brew S, Gebski VJ, Lewis CR, Moylan E, Parnis FX, Ackland SP. Multicenter phase II study of combination chemotherapy with capecitabine and intravenous vinorelbine in patients with pretreated metastatic breast cancer. Asia-Pacific Journal of Clinical Oncology, 2007, 3: 37–43

Harnett P, Buck M, Beale P, Goldrick A, Allan S, Fitzharris B, de Souza P, Links M, Kalimi G, Davies T, Stuart-Harris R. Phase II study of gemcitabine and oxaliplatin in patients with recurrent ovarian cancer: an Australian and New Zealand Gynaecological Oncology Group study. Int J Gynecol Cancer. 2007;17:359–66

Kanthan GL, Jayamohan J,Yip D,Conway RM. Management of metastatic carcinoma of the uveal tract: an evidence-based analysis. Clinical & Experimental Ophthalmology 2007, 35: 553–565

Ruzich M, Ryan B, Owen C, Delahunty A, Stuart-Harris R. A Prospective Evaluation of Cognitive Function in Patients with Early Breast Cancer Receiving Adjuvant Chemotherapy.Asia Pac J Clin Oncol 3: 125–133, 2007

Lord SJ, Lei W, Craft P, Cawson JN, Morris I, Walleser S, Griffiths A, Parker S, Houssami N. A systematic review of the effectiveness of magnetic resonance imaging (MRI) as an addition to mammography and ultrasound in screening young women at high risk of breast cancer. Eur J Cancer 43:1905-1917, 2007

Burns CM, Broom D, Dear K, Smith WT, Craft PS. Fluctuating knowledge of treatment goal amongst patients and their caregivers: a longitudinal study of a dynamic process. Support Care Cancer, 15:187–96, 2007

Stuart-Harris R, Caldas C, Pinder SE, Pharoah P. Proliferation markers and survival in early breast cancer: a systematic review and meta-analysis of 85 studies in 32,825 patients. Breast. 2008 Aug;17(4):323–34. Epub 2008 May 2. Review

Pranavan G, Goldstein D,Yip D. Response of Carney's triad-related metastatic gastrointestinal stromal tumor to sunitinib. Asia Pac J Clin Oncol, 4,170–4, 2008

Chua YJ, Zalcberg JR. Progress and challenges in the adjuvant treatment of stage II and III colon cancers. Expert Rev Anticancer Ther 8:595-604, 2008

Chua YJ, Zalcberg JR. Pancreatic cancer- is the wall crumbling? Ann Oncol 19: 1224–30, 2008

PRESENTATIONS/ABSTRACTS

Gibbs, P, Tan TH,Yip, D, Kosmider S. Clinical Experience of Selective Internal Radiation Therapy in Combination with Systemic Chemotherapy as First-Line Therapy in Patients with Unresectable Hepatic Metastases from Colorectal Cancer. KL International Breast and Colorectal Cancer Congress, Kuala Lumpur, 2007

Pranavan G, Gorddard N. Postoperative Chemoradiation for Glioblastoma Multiforme, a retrospective review. Medical Oncology Group Annual Scientific Meeting, Melbourne 2007 (Poster).

NSW Histotechnologists Conference. Drug Development and Oncology: Links with Histology, Canberra 2007. A/Prof D. Yip (Invited speaker).

Pranavan G, Tan TH, Stuart-Harris R.Clinical Efficacy and Tolerability of Fulvestrant as Third Line Therapy of Metastatic Breast Cancer: A Retrospective Analysis. Proc Clinical Oncological Society of Australia Annual Scientific Meeting, 2007 (Poster).

Tan HT, Kosmider S, Yip D, Gibbs P. Clinical experience of Selective Internal Radiotherapy in combination with chemotherapy as first line therapy in patients with unresectable hepatic metastases from colorectal cancer. Clinical Oncological Society of Australia Annual Scientific Meeting, Adelaide 2007 (Poster).

Stuart-Harris R, Shadbolt B, Chaudri Ross HA. The prognostic significance of discordant receptor results and the progesterone receptor in metastatic breast cancer. Proc European Breast Cancer Conference, Berlin, 2008.

O'Callaghan CJ, Tu D, Karapetis CS, Au HJ, Moore MJ, Zalcberg JR, Trudeau M, Yip D, Vachan B, D Jonker DJ. The relationship between the development of rash and clinical and quality of life outcomes in colorectal cancer patients treated with cetuximab in NCIC CTG CO.17.Proc Am Soc Clin Oncol 2008;26 A4130 (Poster).

Tan HT, Kosmider S, Yip D, Gibbs P. Clinical experience of Selective Internal Radiotherapy in combination with chemotherapy as first line therapy in patients with unresectable hepatic metastases from colorectal cancer. Proc Am Soc Clin Oncol, 2008;26, A15080

Australian Neuroendocrine Tumours (NETs) Consensus Workshop: Meeting Management Challenges in Australia, Sydney 2008, Dr YJ Chua (Convenor).

Hoy J, Neeman T, Stuart-Harris R, Davis A. Risk of venous thromboembolism in patients receiving FEC chemotherapy for early breast cancer. Clinical Oncological Society of Australia Annual Scientific Meeting 2008 (Poster).

Parker S, Skeels A, Yip D. Chemotherapy usage in breast, colorectal cancer and lung cancer patients referred to palliative care in the last months of life. Clinical Oncological Society of Australia Annual Scientific Meeting, Sydney 2008 (Poster).

Clinical Oncological Society of Australia Annual Scientific Meeting. Rising to the challenge of managing neuroendocrine tumours (NETs) in Australia: Outcomes of the Australian NETs Consensus workshop. Dr YJ Chua (Chair and speaker) Sydney, 2008

Clinical Oncological Society of Australia Annual Scientific Meeting. Rising to the challenge of managing neuroendocrine tumours (NETs) in Australia: Controversies and uncertainties in the management of neuroendocrine tumours. A/Prof D. Yip, Sydney, 2008. (Invited Speaker).

AWARDS

Medical Oncology Group of Australia-Ipsen Trainee Travel Award 2008
Dr Yu Jo Chua

CAPITAL REGION CANCER SERVICE

Department of Radiation Oncology

STAFF

Associate Professor Hany Elsaleh, Director

Professor Michael J McKay, Radiation Oncology; Professor of Radiation Oncology and Molecular Medicine

Mr Danial Bishop, Research Assistant

STUDENTS

2006-present

Raja Vasireddy: 'DNA damage responses in cancer patients with adverse reactions to radiotherapy' PhD (Co-supervision with Drs Thomas Karagiannis and Sam El-Osta, Monash University).

2007

Cempaka Lestari: 'DNA repair status of radiosensitive cancer patients' Advanced Med Sci, Melbourne University, 2007

Jennifer Patra: 'Role of cohesin in radiation response and cancer', Advanced Med Sci, Melbourne University, 2007

2007–08

Eight other postdoctoral scientists and research assistants were supervised within the 2007–2008 period by Professor McKay

COLLABORATIVE ASSOCIATES

(Professor Michael McKay)

Professor Douglas Koshland, Howard Hughes Fellow, Carnegie Institution, Howard Hughes Medical Institute, Baltimore, USA

Professor Andrew Scott, Director, Ludwig Institute for Cancer Research (Austin Branch), Melbourne

Professor Andre Nussenzweig, National Cancer Institute, USA

A/Professor Melissa Southey, Melbourne University, Melbourne

Dr Marie-Catherine Vozenin-Brotons, Institute Gustave-Roussy and Paris University, Paris, France

Dr Carl Sprung, Research Group Leader, Monash Institutes of Health, Monash University, Melbourne

Dr Christopher Jolly, Centenary Institute, Sydney

Professor Roland Kanaar, Erasmus University, Rotterdam, The Netherlands

A/Professor Robert Ramsay, Peter MacCallum Cancer Centre, Melbourne

Professor Stephen Fox, Peter MacCallum Cancer Centre, Melbourne

Dr Doug Taupin, The Canberra Hospital

A/Professor Richard Sturm, Inst for Molecular Bioscience, Brisbane

A/Professor Andrew Sinclair, Murdoch Institute, Melbourne

Dr Huiling Xu, Senior Scientist, Peter MacCallum Cancer Centre, Melbourne

A/Professor Georgia Chenevix-Trench and Dr Amanda Spurdle, Qld Institute of Medical Research, Brisbane

A/Professor Moira O'Bryan, Monash Institute of Medical Research

Professor Andy Choo and Dr Jeff Craig, Murdoch Children's Research Institute, Melbourne

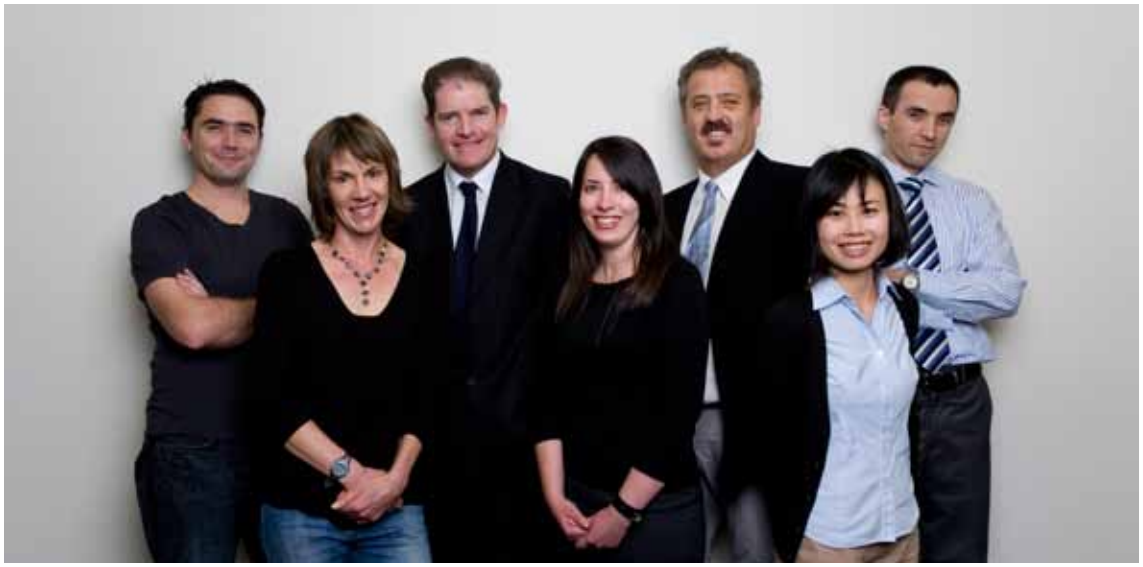
Professor David Ashley, Children's Cancer Centre, Royal Children's Hospital, Melbourne

Professors Terry Hassold and Pat Hunt, Case Western Reserve University, USA

Professor P. van der Spek, Erasmus University, Rotterdam, The Netherlands

Dr Julia Horsfield, University of Otago, New Zealand

We gratefully acknowledge the multiple radiation oncologists who have contributed cases to our translational studies



Danial Bishop, Dr Mhairi Baird, Dr Douglas Taupin, Melisa Vazquez, Prof Michael McKay, Masayo Tada, Dr Musa Crini

RESEARCH PROJECTS

The role of the Adaptor Protein Grb9 in Gastric Carcinogenesis
A/Professor Hany Elsaleh and Dr Doug Taupin

Molecular prediction of adverse normal tissue events in cancer patients
Professor Michael McKay and A/Professor Hany Elsaleh

Severe radiotherapy reactions: genome-wide exon array analysis and early radiation response
Dr Carl Sprung and Professor Michael McKay

Cohesin-mediated modulation of mammalian radiosensitivity
Professor Michael McKay and Dr Huiling Xu

Cohesins: role in cancer initiation and progression
Professor Michael McKay and Dr Huiling Xu

Targeted EGFR pathway manipulation increases the efficacy of loco-regional radiotherapy in glioblastoma
Professor Michael McKay and A/Professor Elsaleh

Installation and implementation of Bio 21: MMIM server in Canberra
A/Professor Desmond Yip and A/Professor Elsaleh

Endoplasmic Reticulum Stress in Gastric Carcinogenesis
Dr Doug Taupin and A/Professor Hany Elsaleh

Aneuploidy and ER Stress in Colon Cancer
Professor Michael McKay and Dr Doug Taupin

FUNDING

2008–2010

National Breast Cancer Foundation, $517,000 *Severe radiotherapy reactions: genome-wide exon array analysis and early radiation response.* Dr Carl Sprung and Professor Michael McKay

Cancer Council Victoria, $300,000 *Cohesin-mediated modulation of mammalian radiosensitivity,* Professor Michael McKay and Dr Huiling Xu

2007

Dept of Radiation Oncology Research Fund, $13,690 *The role of the Adaptor Protein Grb9 in Gastric Carcinogenesis,* A/Prof Hany Elsaleh and Dr Doug Taupin

2008

Dept of Radiation Oncology Research Fund, $20,000 *Installation and implementation of Bio 21: MMIM server in Canberra,* Prof Desmond Yip and A/Prof Elsaleh

2008–09

Dept of Radiation Oncology Research Fund, $55,358 *Endoplasmic Reticulum Stress in Gastric Carcinogenesis* Dr Doug Taupin and A/Prof Hany Elsaleh

ACT Health Research Office, $158,300 *Radiation Oncology Research Startup Support* Professor Michael McKay

Dept of Radiation Oncology Research Fund, $15,000 *Aneuploidy and ER Stress in Colon Cancer* Professor Michael McKay and Dr Doug Taupin

PUBLICATIONS

Paul K. Lovelock, Ee Ming Wong, Carl N. Sprung, Anna Marsh, Karen Hobson, Juliet D. French, Melissa Southey, kConFab Investigators, Tom Sculley, Nirmala Pandeya, Melissa A. Brown, Georgia Chenevix-Trench, Amanda B. Spurdle and Michael J. McKay. Prediction of BRCA1 and BRCA2 mutation status using post-irradiation assays of lymphoblastoid cell lines is compromised by inter-cell-line phenotypic variability. *Breast Cancer Research and Treatment* 104: 257–266, 2007

Stevens G and McKay MJ. Dispelling the myths surrounding blah radiation therapy for treatment of cutaneous melanoma. *Lancet Oncology* 7: 575–583, 2007

Carl N. Sprung, Deborah S.P. Davey, Su Kah Goh, Ian R. Radford and Michael J. McKay. Uncoupling of telomere length and radiosensitivity in mouse lymphoma cells of similar genetic background. *International Journal of Radiation Biology* 83:515–21, 2007

Kaminski A, Joseph D, Levitt M, Elsaleh H. Differences in toxicity across gender in patients treated with chemoradiation for rectal cancer. *Australasian Radiology* 51, 283–288, 2007

McKay MJ. Targeted therapies for cancer. *Australian Family Physician* 37:201, 2008
Telomere length in lymphoblast cell lines derived from clinically radiosensitive cancer patients. Carl N. Sprung, Deborah S.P. Davey, Nimali P. Withana, Luitpold V. Distel and Michael J. McKay. *Cancer Biology and Therapy* 2008 7; 638–644

G Stevens, A Hong and MJ McKay. Radiotherapy for distant metastases and clinical radiobiology of melanoma, in: *Cutaneous Melanoma*. Eds: CM Balch, AJ Sober, AN Houghton, SJ Soong. Lippincott, Philadelphia 2008

Farrell J, Elsaleh H, Garcia M, Lai R, Ammar A, Regine WF, Abrams R, Benson BA, Macdonald J, Cass CE, Dicker AP, Mackey J. Human equilibrative nucleoside transporter 1 levels predict response to gemcitabine in patients with pancreatic cancer. *Gastroenterology*. 2009 Jan;136(1):187–95. (Epub 2008 Oct 7)

Grumett S, Ahnen D, Allegra C, Auvinen A, Backus H, Peters G, Bhatavdekar J, Shah N, Bosari S, Broll R, Buglioni S, Mottolese M, Caldes T, Capella S, Diez M, Edler D, Elsaleh H, Grizzle W, Manne U, Hawkins N, Ward R, Iacopetta B, Ilyas M, Lanza G, Leahy D, Nathanson S, Paradiso A, Poller D, Quirke P, Stahlschmidt J, Sargent D, Trivella M, Wiggenraad R, Kerr D. The Prognostic Role of p53 in Colorectal Cancer: An Individual Patient Data Systematic Review and Meta-analysis. *JNCI* 2008 (submitted)

Michael J. McKay*, Terrance G. Johns*, Anna N. Cvrljevic, Caitlin Taylor, Huiling Xu, Fiona E. Smyth and Andrew M. Scott. Monoclonal antibody 806 enhances the efficacy of radiotherapy in glioma xenografts expressing the de2-7 EGFR mutation. *Contributed equally. *Clin Cancer Res* (submitted)

Fogarty GB, Muddle R, Sprung C, Sturm R, McKay MJ. Increased severity of acute radiotherapy side-effects associated with single nucleotide polymorphisms in the melanocortin 1 receptor. *Clin Cancer Res* (submitted)

Fang ZM, Kozlov S, Woods R, Birrell G, Chen P, Sprung CN, Murrell D, Wangoo K, Farrel A, Ramsay J, Graham PH, McKay MJ, Kearsley JH, Lavin MF and Clarke RA. Severe normal tissue reactions to radiotherapy in breast cancer patients associated with low levels of ATM. *Radiotherapy and Oncology* (submitted)

PRESENTATIONS/ABSTRACTS

Human ENT1 is predictive of response in patients with pancreatic cancer treated with gemcitabine: Results from the RTOG 9704 Prospective Randomized Trial. Farrell J, Garcia M, Lai R, Ammar A, Regine WF, Abrams RA, Benson B, Macdonald J, Cass CE, Elsaleh H, Mackey J. Proceedings from Digestive Disease Week. Washington USA 2007

Expression of Bax and Bcl2 proteins in small cell lung cancer (SCLC). Badzio A, Krajewska M, Elsaleh H, Kowalczyk A, Kurowski K, Jassem J. Proceedings of the American Society of Clinical Oncology. Chicago USA, 2007

Tumor Associated Macrophages are a Poor Prognostic Indicator in Pancreatic Cancer. Farrell, JJ, Garcia M, Dicker A, Guha, C, Elsaleh H Proceedings from Digestive Disease Week. San Diego USA 2008

Ribonulceotide Reductase Single Nucleotide Polymorphisms: Markers of Response to Gemcitabine. Farrell J, Garcia M, Ammar A Regine WF, Abrams RA, Benson B, Macdonald J, Schaefer P, Elsaleh H. in Prospective Pancreatic Cancer Treatment Trial RTOG 9704. Proceedings from Digestive Disease Week. San Diego USA 2008

Validation of Randomization Based on Patient Genotype Results from RTOG 9704 Trial in Pancreatic Cancer and Implications for Future Trial Design. Farrell J, Bae K, Fromm M, Regine W, Abrams R, Safran H, Hoffman JP, Dicker AP, Elsaleh H, Proceedings of the American Society of Therapeutic Radiation Oncology. Boston USA, 2008

Translational Medicine in Cancer Research (Invited Speaker) Elsaleh H. The Garvan Institute, Sydney, 2007

Translational Genomics in Cancer. (Invited Speaker) Elsaleh H. Tsukuba University Cancer Institute, Tsukuba Japan, 2008

Cohesin may mediate lung fibrogenesis. MC Vozenin-Brotons, H Xu, P Opolon, L Gras, N Pasinetti, O Ivashkevich, J Bourhis, MJ McKay. Wolfsberg Meeting on Molecular and Translational Radiation Biology, Wolfsberg, Switzerland, 2009

Radiotherapy predictive assays (Symposium Convenor, Co-chair and Invited Speaker) MJ McKay.13th International Congress of Radiation Research: San Francisco, USA, 2007

Molecular biology and radiotherapy: the next ten years (Invited Speaker) MJ McKay. Sydney South West Cancer Therapy Centre Interdisciplinary Oncology Seminar, 2007

Molecular and radiation biology (four talks given) (Invited Speaker) MJ McKay. Royal Australian and New Zealand College of Radiologists Radiobiology Examination Preparation Course, Brisbane 2007

Radiobiology of cohesins (Invited Speaker) MJ McKay. Workshop on Clinical and Experimental Research in Radiation Oncology (CERRO), France, 2008

Prediction of late radiation effects by genome-wide alternative gene splicing (Invited Speaker) MJ McKay. 27th Scientific Meeting of the European Society for Therapeutic Radiology and Oncology, Göteborg, Sweden, 2008

Angiogenesis; Apoptosis; DNA Damage and Repair. (Invited Speaker) MJ McKay. RANZCR Molecular Oncology Course, Auckland, 2008

Predictive assays of radiation response I: cellular and functional assays; Predictive assays of radiation response II: the promise of the molecular era. (Invited Speaker) MJ McKay. Brescia University, Italy, 2008

Towards biologically-driven cancer radiotherapy. (Invited Speaker) MJ McKay. Peter MacCallum Cancer Centre, Melbourne, 2008

Angiogenesis; Apoptosis; DNA Damage and Repair; Hallmarks of Cancer. (Invited Speaker) MJ McKay. ESTRO-sponsored RANZCR Molecular Oncology Course, Sydney, 2009

Cohesins: chromosomal proteins with increasing relevance to cancer and development. (Invited Speaker) MJ McKay

John Curtin School of Medical Research, Canberra, 2009

Can corruption of chromosomal cohesion create a conduit to cancer? (Invited Speaker) MJ McKay. Murdoch Children's Research Institute, Melbourne, 2009

PATENTS

Sprung C and McKay M. A molecular profiling alternate splicing predictive signature of clinical radiation sensitivity (Provisional Patent, In Preparation)

OTHER ACADEMIC ACTIVITIES

Professor Michael McKay

2003–2007
Chief Examiner, RANZCR Fellowship Exams (Radiation Biology)

2006-present
Editorial Board, *Asia-Pacific Journal of Clinical Oncology*

2007-present
Editor (Biology) *Journal of Medical Imaging and Radiation Oncology*

2007-present
Editorial Board, *Open Cell and Developmental Biology Journal*

2008-present
RANZCR Fellowship Examiner (Radiation Biology)

2008-present
Editorial Board, *Genome Integrity Maintenance* (An Open Biomed Central Journal)

2007-present
Registrar tuition in Clinical Oncology, Radiation Oncology, Radiation and Cancer Biology

OTHER ACADEMIC ACTIVITIES

A/Professor Hany Elsaleh

2005-2007
ASCO Scientific Program Committee.

2005-present
ACR GI Patterns of Care Committee

2004-present
Editorial Board: American Journal of Clinical Oncology

COMMUNITY HEALTH

Academic Unit of General Practice and Community Health

STAFF

Professor Marjan Kljakovic, Director Academic Unit of General Practice & Community Health

Dr Katrina Anderson, Senior Lecturer, Director of Medical Education, Country Coast City Training Ltd

Dr Karen Flegg, Senior Lecturer

Dr Christine Phillips, Senior Lecturer in Social Foundations of Medicine

Dr Helen Toyne, Senior Lecturer

Dr Sue Douglas, Senior Lecturer

Dr Kirsty Douglas, Senior Lecturer, APHCRI Research Fellow

Associate Professor Jenny Thomson

Ms Sally Hall, Research Manager Australian General Practice Nursing Study

Ms Karen Ciszek, Research Nurse

Ms Sheehan Ashwell, Research Manager (part-time)

Dr Kathryn Dwan, Research Manager (part-time)

Mr Carl Brusse, Research Assistant (part-time)

Ms Jenna Mills, Executive assistant AUGPCH

Academic GP Registrars

Dr Siobhan Reddell

Dr James Turton (& RDP scholar)

RDP Scholars

Early research scholars funded by Primary Health Care Research, Evaluation & Development Strategy (PHCRED)

Motivators leading ATSI individuals to seek initial health checks, and engage in ongoing annual check ups. Barriers to GPs implementing aboriginal health checks in general practice. (Jodie Griffin, Southern General Practice Network)

A description of baseline Vitamin D levels in patients undergoing the 45-49 yr health check. Identification of effective strategies to improve Vitamin D levels. (Cathey Davey, Isabella Plains Medical Centre)

Evaluating the Maternal and Child Health (MACH) Phone Line (Monica Crane, CWHP, ACT Health)

The quality of immunisation services in ACT general practices (Hailey Shaw ACT Division)

Medical Students

Peter Sturgess: Google, email and facebook: internet literacy to improve the health and well-being of newly arrived refugees and migrants (HLP). This innovative project will be continued by another cohort of medical students in 2009.

David Corbet: Contact Improvisation as a therapeutic method in people a chronic illness or disability: exploring embodiment, presence and health (HLP). The student is now collaborating with colleagues at WAAPA on an extension of this research.

Kate Thornton: The art of dying well: is the medieval ars moriendi relevant to the teaching about contemporary death? (HLP).

Yu-Ting Huang: Bridging the barrier to using telephone interpreters (CRS). The report of this project was requested by the Department of Immigration and Multicultural Affairs. The data sourced by the student indicating under use of interpreters by doctors has been used in a submission by the Refugee Health Network of Australia in response to the draft Australian Primary Health Care Strategy.

Catherine Bolton: The History of Permanence in General Practice.

COLLABORATIVE WORK

PracNet

This network comprises 10 general practices based in and around the ACT it locally designs, coordinates and implements research projects in Primary Care. The network is supported by the Academic Unit as part of its role in the Commonwealth funded PHCRED Research Capacity Building Initiative.

Participating GPs and associated Academic Unit staff meet (and/or teleconference) every few months to plan and monitor the network's various research projects. The network's recent projects include:

PracNet members:
Dr Jennifer Bromley, Bromley Group Family Practice (ACT)
Dr Marjorie Cross, The Surgery (Bungendore, NSW)
Dr Graham Dawson, Holt Medical Centre (ACT)
Dr Duncan McKinnon, Bega Valley Medical Practice (Bega, NSW)
Dr Stephen Ross, Young District Medical Centre (Young, NSW)
Dr Peter Sharp, Winnunga Nummityjah Aboriginal Health Service (ACT)
Dr Tuck Meng Soo, Interchange General Practice (ACT)
Dr Hamish Steiner, Bombala Street Surgery (Cooma, NSW)
Dr Helen Toyne, AUGPCH
Dr Cameron Webber, Webber's Surgery (ACT)

CHRONIC DISEASE COLLABORATIONS

The *Serious and Continuing Illness Policy and Practice Study* (SCIPPS) is an NHMRC funded program conducted at The Australian National University and The University of Sydney and administered by The Menzies Centre for Health Policy

The ACT Health Chronic Disease Management Research Group

Key collaborators: Paul Dugdale (Chair), Robin Guda Nick Glasgow, Chris Nolan, Robyn Cross, Ross O'Donoughue Marjan Kljakovic

ASPREE - The ASPirin Reducing Events in the Elderly study

In this study we recruit patients in collaboration with Monash University, University of Tasmania, The University of Melbourne, and ANU

The Beyond Ageing Project

This study aims to determine whether mental health literacy, physical activity or folate prevents depression in older individuals. The Beyond Ageing project is a randomised controlled trial that commenced in 2006

RESEARCH PROJECTS

The Prevalence of Peanut Allergy Study

Data collected from the ACT Health Kindergarten screening program and a survey of children with reported peanut allergy. Findings accepted for publication in *J Paediatr Child Health*
Researchers: Prof M Kljakovic, Prof P Gatenby, Dr C Hawkins, Mrs RG Attewell, Ms K Ciszek, Ms G Kratochvil (medical student), Ms A Moreira (medical student), Prof AL Ponsonby

Australian General Practice Nurses Study

Study completed, report completed. Released onto APHCRI website http://www.anu.edu.au/aphcri/Domain/PracticeNursing/index.php
Researchers: Christine Phillips, Kathryn Dwan, Christopher Pearce, Julie Porritt, Rachel Yates, Bonnie Sibbald, Sally Hall, Monika Thompson, Marjan Kljakovic

Sessional General Practitioners in the Act: what are the facilitators and barriers for part-time General Practitioners?

Researchers: Kirsty Douglas, Kathryn Dwan, and Marjan Kljakovic

No Symptoms No Disease Study

Researchers: Marjan Kljakovic, Carl Brusse, and PracNet

Antibiotic Use and Resistance of Propobionibacterium Acnes In General Practice Acne Patients

Researchers: Dr Helen Toyne. Dr C Webber, Dr K Dwan, Prof. P Collignon, Prof. M Kljakovic

General Practitioner Supervisor Interest In Hospital Junior Doctors Rotating into General Practice does Practice Rurality, Size And Infrastructure Play A Role?

Researchers: Dr Jenny Thomson, Dr Katrina Anderson, and Ms Belinda Allan Prof Marjan Kljakovic

Gp Melanoma Management Survey. An Audit of Melanoma Management by Canberra GPs

Researchers: Sean Robinson Mr Peter Barry, Prof Marjan Kljakovic

A Narrative Review of Helicobacter Management Policy in High Prevalence Populations

Researcher: Dr Siobhan Reddell academic GP registrar

Pilot Study Of Outcome and Goal Oriented Monitoring of Asthma in General Practice - To Assess If Monitoring Asthma Using Indirect Airway Hyper-Responsiveness Testing Is Effective At Establishing Rapid Asthma Control In The Initial Stages Of Therapy By The Implementation Of A Goal orientated management strategy

Researcher: Dr James Turton academic GP registrar

FUNDING

2007

Source: City Coast Country Training Limited. Project Title, Developing a Research Culture for General Practice Registrars. A literature review. Paticipant. Kljakovic. Grant $15,000 for 1 year

2008

Source: ARC (LIEF). Project Title: The Australasian Pollen and Spore Atlas. Participants, Haberle SG, Evans B, Hungerford SC, Hope G, Kljakovic M, Kershaw AP, Dodson JR, Bowman DM. Grant $134,000 for 1 year

Source: CCCT Ltd. Project Title: Leadership within general practice. Participant: Kljakovic. Grant $60,000 for 1 year

Source: SCIPPS. Project: Patients who hold the 'No Symptoms, No disease' belief have an impaired quality of self-care for their chronic disease. Participant: Kljakovic. Grant $35,000 for 1 year

PUBLICATIONS

Bowden FJ, Currie MJ, Toyne H, McGuiness C, Lim LL, Butler JR, Glasgow NJ. Screening for Chlamydia trachomatis at the time of routine Pap smear in general practice: a cluster randomised controlled trial– Med J Aust 2008; 188(2): 76–80

Christensen H, Griffiths KM, Gulliver A, Clack D, Kljakovic M, Wells L. Models in the delivery of depression care: A systematic review of randomised and controlled intervention trials. *BMC Family Practice* 2008 May 5, 9:25

Cooper B Family caregiver perspectives on management of long-term home enteral nutrition via a gastrostomy tube. J Genca 2008 April;18(2):17–24

Douglas S The registration and accreditation of international Medical graduates in Australia — a broken system or a work in progress? People and Place, 2008; vol. 16, no.2, 28–40

Dwan KM. Magin P. 'The desire for research in general practices.' *Australian Family Physician* 2008 Oct;37(10):871–3

Hartigan P Chronic disease management. Aust Fam Physician. 2008 Jul;37(7):503

Kljakovic M. Continuity of care provided by general practice in Wellington over 100 years. New Zealand Family Physician. 2008; 35(1): 16–21

Kljakovic M. Do patients think their general Practitioner cares? New Zealand Family Physician 2008; 35(2): 187–90

Patel MS, Phillips CB, Pearce C, Kljakovic M, Dugdale P, Glasgow N. General Practice and Pandemic Influenza: A Framework for Planning and Comparison of Plans in Five Countries. PLoS ONE 2008;3(4):e2269

Pearce C, Trumble S, Arnold M, Dwan K, Phillips C. Computers in the new consultation: within the first minute. Fam Pract 2008 Jun;25(3):202–8

Phillips C. Institutions and the health of prisoners and detainees. In Marc Oxenburg (ed) Forensic Approaches to Death, Disaster and Abuse 2008. Sydney: Australian Academic Press

Phillips CB, Macdonald T. Trends in medication use for asthma among children. Current Opinion in Allergy & Clinical Immunology 2008; 8:232–237

Ponsonby AL, Glasgow N, Pezic A, Dwyer T, Ciszek K, Kljakovic M. A temporal decline in asthma but not eczema prevalence from 2000 to 2005 at school entry in the Australian Capital Territory with further consideration of country of birth. Int J Epidemiol 2008 Feb 14

Sypek S, Clugston S, Phillips C. Critical health infrastructure for refugee resettlement in regional and rural Australia: case study of four rural towns Australian Journal of Rural Health 2008; 16:349–354

Phillips CB, Toyne H, Ciszek K, Attewell RG, Kljakovic M. Trends in medication use for asthma in school-entry children in the Australian Capital Territory, 2000–2005. 2007; 187(1): 10–3

Phillips CB, Benson J. Better primary care for Refugees-Catch up immunization — Australian Family Physician 2007; 36(6): 385–480

Phillips C, Dwan K, Pearce C, Hall S, Porritt, J, Yates R, Sibbald B. Time to talk, time to see: changing microeconomies of professional practice among nurses and doctors in Australian general practice. Contemp Nurse 2007 Aug; 26(1): 136–44

Phillips CB, Patel MS, Glasgow N, Pearce C, Dugdale P, Davies A, Hall S, Kljakovic M. Australian general practice and pandemic influenza: models of clinical practice in an established pandemic. Med J Aust 2007; 186(7): 355–8

Hall S. Divisions of general practice and practice nurse development in Australia – Contemp Nurse 2007; 26(1): 37–47

Douglas S, Cervin C, Bower KN. What women expect of family physicians as maternity care providers. Canadian Family Physician 2007; 53: 874–879

PRESENTATIONS/ABSTRACTS

Antibiotic resistance of Propobionibacterium acnes in General Practice patients with acne.
H Toyne, C Webber, K Dwan, P Collignon, M Kljakovic. PracNet, AUGPCH AUGPCH
i) Oral Presentation: 2008 Annual ACT Scientific Meeting, June 2008
ii) Oral Presentation: The combined conference of the Asia Pacific Region of the World Organization of Family Doctors (Wonca) and the Annual Conference of The Royal Australian College of General Practitioners, Melbourne October, 2008
iii) Oral Presentation: The GP & PHC Research Conference, Hobart, June 2008: Health for all?

How Can We Develop a Teaching Research Culture for General Practice Registrars?
Marjan Kljakovic, Graham Reynolds, Karen Ciszek. AUGPCH Oral Presentation: Practice, Scholarship & Research in Health Professional Education. ANZAME Conference 2008

Enhancing GP Registrar Confidence and Competence Through Vertically Integrated Teaching
K. Anderson, A. Barnard.
Ozzawa Melbourne, March 2008

GP Grand Rounds in Person and Cyberspace! Raising the Profile of General Practice.
Katrina Anderson 8th National GPLO Conference. Canberra, September 2008

Future General Practitioners with a Social Conscience!
Katrina Anderson. GPET Conference. Wollongong. August, 2008

Practical Paths to Altruism: An Educational Framework for Students and Young Doctors to Prevent Attrition in Altruism
Katrina Anderson. Christine Phillips. Paper presentation: WONCA Melbourne. October, 2008

Exploring the doctor patient relationship through Creative Writing.
Katrina Anderson. Workshop. 2008

Screening newly-arrived refugees for tuberculosis in the ACT 2001–2006: low rates of uptake of screening, but high rates of treatment completion.
Palmer R, Phillips C, Senanayake S. Presentation to Refugee Primary Health Care Conference, Brisbane Convention Centre, November, 2008

Continuity of Care Provided by General Practice for Canberra Children
Prof M Kljakovic, Assoc Prof G Reynolds, Ms K Ciszek. WONCA Asia Pacific Regional Conference to be held in Melbourne, 2–5 October, 2008

Complexity and cohesion in Primary Health Care: How General Practice Nurses Build Organisational Resilience*
Sally Hall Christine Phillips, Chris Pearce, Kathryn Dwan, Julie Porritt, Rachael Yates, Marjan Kljakovic. General Practice & Primary Health Care Research Conference held in Hobart June, 2008

AWARDS

*Best Poster Award

MENTAL HEALTH ACT

STAFF

Dr Peggy Brown

Adj Assoc Prof Peter Norrie

Prof Scott Henderson

Dr Diana Tracy

Dr Daniel Bonner

Dr Rajeev Kumar

Dr Paul Fitzgerald

Dr Les Drew

Dr Paul Maguire

Dr Cathy Owen

Dr May Matias

Prof Jeff Looi

Dr John Edgar,

A/Prof Rod Morice

Dr Ayesha Sarfraz

Dr Tonya Clarke-Taylor

Rebecca Reay

Rhiannon Mulcahy

Felicity Riddle

Claire White

STUDENTS

Claire White, Social Work Student

Study of the issues surrounding contact between parents and children when a parent is hospitalised in a psychiatric inpatient unit.

RESEARCH PROJECTS

Dr Les Drew, N-acety; cysteine as a treatment for schizophrenia: a replication study

Dr Les Dres, 'Ten year follow-up of persons on Clozapine'

Dr Les Drew, Paper on 'Improving the general health of persons with psychosis'

Adj Assoc Prof Peter Norrie (co-ordinated through Ron Simon USA), Relapse and Anti-psychotic Medication Study in Schizophrenia Patients

Adj Assoc Prof Peter Norrie, A 12 month, Prospective, Observational Study to Establish the Time to All Cause Treatment Discontinuation in Outpatients with Schizophrenia at Risk of Medication Non-Adherence

Adj Assoc. Prof Peter Norrie, Treatment Review and Feedback Program to Determine Risk of Poor Medication Adherence in Outpatients Diagnosed with Schizophrenia in Australia

Dr Rajeev Kumar, Mild Cognitive impairment

Dr Rajeev Kumar, Dementia

Dr John Edgar and Dr Paul Maguire, Influence of legal status

Dr Paul Maguire, Beliefs About Health

A/Prof Rod Morice, Better Health Project

A/Prof Rod Morice, Cognitive Remediation Therapy in Schizophrenia

Dr Ayesha Sarfraz & Dr Tonya Clark-Taylor, Trial of EPA in restrictive anorexia nervosa. (RANZCP Grant approved)

Dr Ayesha Sarfraz, Draft study SSRI in a population of Hep C patients as immuno modulators

Prof Scott Henderson with Gavin Andrews, 'National surveys of Mental Health: their Yield' with response by R Kessler & B Ustun

Prof Cathy Owen, Multicentre collaborative study with Prof David Ellwood on consequences of post partum haemorrhage

Rebecca Reay & R Mulcahy, A randomised controlled trial of Group Interpersonal Psychotherapy for Postnatal Depression

Rebecca Reay & Prof D Elwood, Future study pending funding. Experiences of mothers with 2-year-old infants: a study of their emotional health, perceived stressors and access to treatment and support

Dr May Matias, Questionnaire with A/Prof Looi & Prof Jeste about successful ageing to be distributed in Canberra

Dr Diana Tracy, Outcomes of inpatients discharged from Brian Hennessey

Dr Daniel Bonner, Personality, Psychopathology and playing on the Internet

Felicity Riddle (Psychologist), Experience of grief in people living with a mental illness

FUNDING

ACT Health

PUBLICATIONS

Henderson AS & Andrews G (2007). National surveys of mental health: the yield. *International Psychiatry, 5: 12–14*

Ikin, Jillian, Sim, Malcolm, McKenzie, Dean, Horsley Keith, Wilson, Aileen, Moore, Michael, Jelfs, Paul Harrex, Warren & Henderson, Scott. (2007) Anxiety, post-traumatic stress disorder and depression in Korean War Veterans 50 years after the war. *Brit J Psychiatry, 190: 475–483*

Drew, LRH and DeLacy F. Improving the general health of persons with psychosis. *Australasian Psychiatry 2007, 15:4; 320–323*

Norrie, PD. International Medical Graduates in MHACT. *RANZCP Journal Psychiatry, Congress Supplement May 2008*

PRESENTATIONS/ABSTRACTS

Henderson, AS: 'Teaching Research Skills'. Teachers of Psychiatry Meeting, National University Hospital, Singapore 2008

Norrie, PD: 'International Medical Graduates in MHACT', RANZCP Annual Congress, Melbourne 2008

AWARDS

Most Meritorious Presentation by a Registrar at the April 2008 Annual Scientific Meeting was shared by: Dr Ayesha Sarfraz and Dr Bree Wyeth

The ANU Medical School ACT Psychiatry Prize was awarded to: Ms Veronica Kolos

MENTAL HEALTH ACT

Academic Unit of Psychological Medicine - ANU Medical School

STAFF

Professor Beverley Raphael *AM*, Professor and Head, Academic Unit of Psychological Medicine, ANU Medical School

Associate Professor Jeffrey Looi, Deputy Head, Academic Unit of Psychological Medicine, ANU Medical School & Senior Specialist, Older Persons Mental Health, Mental Health ACT

Adjunct Associate Professor Peggy Brown, General Manager Mental Health ACT & ANU Medical School

Adjunct Associate Professor Peter Norrie, Director of Clinical Services, Mental Health ACT

Ms Peggy Craigie, Executive Assistant to Professor Raphael, Mental Health ACT; Office Manager, RESCENA, Mental Health ACT

Dr Jeffrey Cubis, Senior Lecturer & Senior Specialist, Child & Adolescent Psychiatry, ANU Medical School & Mental Health ACT

Dr Daniel Bonner, Lecturer & Staff Specialist, Forensic Psychiatry, ANU Medical School & Mental Health ACT; PhD Student, ANU, Supervisor: Professor Beverley Raphael, coordination medical curriculum in Psychological and Addiction Medicine

Dr Paul Maguire, Lecturer & Staff Specialist, Adult Psychiatry, ANU Medical School & Mental Health ACT; PhD Student, ANU, Supervisor: Professor Beverley Raphael

Dr Virginia McAndrew, Clinical Lecturer & Staff Specialist, Child & Adolescent Psychiatry, ANU Medical School & Mental Health ACT; PhD Student, ANU, Supervisor: Professor Beverley Raphael

Dr Rajeev Kumar, Senior lecturer, Academic Unit Of Psychological Medicine, ANU Medical School; Senior Specialist, Consultation-Liaison Psychiatry Unit, Canberra Hospital, Mental Health ACT; Director of Advanced Training in CL Psychiatry (RANZCP-ACT)

Dr Raj Parige, Clinical Lecturer and Staff Specialist, Alcohol & Drug Program, ANU Medical School & ACT Health

Dr Michael Tedeschi, Clinical Senior Lecturer, and Staff Specialist, ANU Medical School and Alcohol & Drug Program, ACT Health

Dr Marni Austin, Advanced trainee in Consultation-Liaison Psychiatry, Mental Health ACT

Dr Elspeth Macdonald, Senior Research Fellow, Centre for Mental Health Research; Director Australian Child & Adolescent Trauma Loss and Grief Network (ACATLGN) ANU

Ms Rebecca Reay, Research Officer. Academic Unit of Psychological Medicine, ANU Medical School

Dr John Edgar, Senior Registrar in Psychiatry, Mental Health ACT

Dr Diana Tracy, Lecturer & Staff Specialist, Adult Psychiatry, ANU Medical School & Mental Health ACT

Mr Michael Woodward, Discipline Principal, Chief Social Worker Mental Health ACT

Dr Ayesha Sarfraz, Advanced trainee in C&A Psychiatry, Mental Health ACT

STUDENTS

Dr Marni Austin, Advanced Trainee in Consultation-Liaison Psychiatry. Clinical and Research supervision (Professor Beverley Raphael and Rajeev Kumar)

Dr Amanda Jones, Basic Trainee in Psychiatry (Paul Maguire)

Ms Michelle Ruzich, BSc(Psych), MPhil Student co-supervised with Associate Professor Richard O'Kearney, School of Psychology and A/Prof Jeffrey Looi

Dr Virginia McAndrew, Professor Beverley Raphael, Dr Marni Austin, Dr Jeff Cubis, Peggy Craigie, Dr Daniel Bonne, Dr Theresia Citraningtyas, Michael Woodward, Rebecca Reay
(Absent: Associate Professor Jeffrey Looi, Dr Rajeev Kumar, Dr Paul Maguire, Dr Elspeth MacDonald, Dr Bruce Shadbolt)

PhD Students

Dr D Bonner, Australian National University, PhD Student, Supervisor Professor Beverley Raphael.
Topic: *Mental Health and the On-Line Community*

Dr Theresia Citraningtyas, MWH, Australian National University, PhD Student, Supervisors: Professor Beverley Raphael, Associate Professor Richard O'Kearney, Dr Elspeth MacDonald.
Topic: *Strength in Disaster Context using Dimensional Analysis*

Dr P Maguire, Australian National University, PhD Student, Supervisor: Professor Beverley Raphael
Topic: *Health Beliefs and Risk Perception in people with Mental Illness*

Dr V McAndrew, Australian National University, PhD Student, Supervisors: Professor Beverley Raphael, Dr Jeff Cubis, Dr Elspeth Macdonald
Topic: *Trauma and Loss in Children and Adolescents*

Ms R Reay, Australian National University, PhD student, Supervisors: Professor Beverley Raphael, Professor Cathy Owen, Bruce Shadbolt
Topic: *Group Interpersonal Psychotherapy for Postnatal Depression: short and long term outcomes from a randomised controlled trial*

Ms Sue Houghton, Australian National University, PhD Student
Supervisor: Professor Beverley Raphael.
Topic: *Refracted Identities: Reconstructing Personhood through the lens of Dementia*

Mr Michael Woodward, Discipline Principal, Chief Social Worker, PhD Student, Supervisor: Professor Beverley Raphael
Topic: *Water and Wellbeing*

COLLABORATIVE ASSOCIATES

Dr Goran Hogberg, Department of Clinical Neuroscience, Section for Psychiatry, Karolinska Institute, Huddinge, Stockholm (with A/Prof J Looi)

Dr Marco Pagani, Institute of Sciences and Technologies of Cognition, CNR, Rome & Padua, Italy (with A/Prof J Looi)

Professor Lars-Olof Wahlund, Olof Lindberg and Dr Gabriela Spulber, Department of Neurobiology, Caring Sciences and Society, Division of Clinical Geriatrics, Karolinska Institute, Huddinge, Stockholm (with A/Prof J Looi)

Leif Svensson, Hospital Physics and Radiology, Karolinska University Hospital, Huddinge, Stockholm (with A/Prof J Looi)

Dr Mark Walterfang and Dr Dennis Velakoulis, Melbourne Neuropsychiatry Centre, Royal Melbourne Hospital, Melbourne (with A/Prof J Looi)

Dr Phyllis Chua, Monash University, Melbourne (with A/Prof J Looi)

Stephen Matthey PhD, ICAMHS Research Unit Director, Sydney South West Area Health Service, NSW

Dr Bruce Shadbolt, Senior lecturer, Centre for Advances in Epidemilogy & IT, ANU Medical School, The Canberra Hospital

A/ Professor Kaarin Anstey & Dr. Nicolas Cherbuin, Centre for Mental Health Research, ANU

Professor Perminder S Sachdev, School of Psychiatry, UNSW (with R Kumar)

Professor Kua Ee Heok & A/Prof Ng Tze Pin. Gerontological Research Program, National University of Singapore, Singapore (with R Kumar)

Professor Dilip V Jeste. University College of San Diego (UCSD), USA (with R Kumar)

RESEARCH PROJECTS

Striatal Morphometrics in Choreoacanthocytosis

Associate Professor Jeffrey Looi in association with Dr Mark Walterfang and Dr Dennis Velakoulis, Melbourne Neuropsychiatry Centre, Royal Melbourne Hospital, Melbourne
This is an advanced neuroimaging analysis conducted in an international cohort with rare metabolic disorder affecting the ventral striatum, led by Dr Mark Walterfang, with striatal analysis expertise provided by A/Prof J Looi.

Shape Analysis in Brain Disorders

Associate Professor Jeffrey Looi in association with Dr Mark Walterfang and Dr Dennis Velakoulis, Melbourne Neuropsychiatry Centre, Royal Melbourne Hospital, Melbourne.

Development of advanced neuroimaging analysis using computational methods led by Dr Mark Walterfang, with striatal analysis expertise provided by A/Prof J Looi.

Striatal Morphometrics in Leukoaraiosis

Associate Professor Jeffrey Looi in association with Professor Lars-Olof Wahlund and Dr Gabriela Spulber, Department of Neurobiology, Caring Sciences and Society, Division of Clinical Geriatrics, Karolinska Institute, Huddinge, Stockholm.
This is a pilot study of longitudinal change in the striatum in age-related white matter disease as part of the European multi-centre Leukoaraiosis and Disability in the Elderly study.

Striatal Morphometrics in Frontotemporal Lobar Degeneration

Associate Professor Jeffrey Looi in association with Professor Lars-Olof Wahlund, Olof Lindberg, Department of Neurobiology, Caring Sciences and Society, Division of Clinical Geriatrics, Karolinska Institute, Huddinge, Stockholm and Leif Svensson, Hospital Physics and Radiology, Karolinska University Hospital, Huddinge, Stockholm
This is an advanced neuroimaging analysis of the ventral striatum conducted in an international cohort with FTLD coordinated and led by A/Prof J Looi.

Brain Morphometrics and SPECT in Post-traumatic Stress Disorder

Associate Professor Jeffrey Looi in association with Dr Goran Hogberg, Department of Clinical Neuroscience, Section for Psychiatry, Karolinska Institute, Huddinge, Stockholm and Dr Marco Pagani, Institute of Sciences and Technologies of Cognition, CNR, Rome & Padua, Italy
This is an advanced multi-modality neuroimaging analysis conducted in Swedish cohort with PTSD, with striatal analysis expertise provided by A/Prof J Looi.

Image Analysis Methods for Morphometrics in Brain Disorders

Associate Professor Jeffrey Looi in association with Professor Lars-Olof Wahlund, Olof Lindberg, Department of Neurobiology, Caring Sciences and Society, Division of Clinical Geriatrics, Karolinska Institute, Huddinge, Stockholm and Leif Svensson, Hospital Physics and Radiology, Karolinska University Hospital, Huddinge, Stockholm
Development of and training of staff for, advanced neuroimaging analysis methods in conjunction with the Stockholm Medical Imaging Laboratory & Education (SMILE) centre.

Joint training workshops in neuroimaging analysis have been conducted, as have reliability and validation studies.

Group Interpersonal Psychotherapy for postnatal depression: short and long term outcomes of a randomised controlled trial

Reay R, Owen C, Rapahel B, Shadbolt B

Experiences of mothers with 2-year old infants: an investigation of their emotional health, perceived stressors and access to treatment and support

Reay R, Matthey S, Ellwood D

Singapore Study of Successful Aging [SSOSA]: A collaborative project involving NUS and UCSD, USA

This study evaluates the prevalence and determinants of successful aging in 65 years and older subjects living in the community. About 500 subjects with diverse ethnic background (Chinese, Malay and Indians living in Singapore) are currently being interviewed using a survey questionnaire. Study currently underway. (R Kumar)

Randomized Controlled Trail of a Community-based Early Psychiatric Intervention Strategy (CEPIS) to screen and Manage Depression in the Elderly (Singapore)

The study examines the usefulness and effectiveness of assisting general practitioners in the management of depression in late life. Study competed and data are being analyzed. (R Kumar)

Research proposal in submission for Grants (Diabetes Australia Research Trust and Canberra Hospital Research Fund) (Principal investigator) 2009–2010

A diffusion tensor magnetic resonance imaging (DT-MRI) study of depression and cognition in type 2 diabetics: a pilot study. Research proposal in submission, pending review outcome. (R Kumar)

Personality and Total Health (PATH) Through Life 60+ study

Collaborator and co-investigator of this longitudinal cohort study, which examines the risk and protection factors associated with aging and dementia. (R Kumar)

How much do we know about Trauma and Loss in Children and Adolescents?

Literature review to find reports of the prevalence of trauma and loss in children, particularly in clinical populations, with draft paper in progress. (V McAndrew)

Risk perceptions and health beliefs of people with a mental illness

This study plans to evaluate the risk perceptions and health beliefs of people (aged between 18 and 65) with a mental illness and their willingness to comply with health protective behaviours and includes both inpatient and community settings in the ACT. (P Maguire)

Health beliefs of people with a mental illness

This recently completed pilot study examined the health beliefs of people with a mental illness with respect to hypertension, diabetes mellitus, coronary artery disease, avian influenza and the mental illness itself; participants were aged between 18 and 50 and were recruited from general practice and community mental health settings in the ACT. (P Maguire)

FUNDING

The Canberra Hospital Private Practice Trust Fund, $134,000.00 (over 2 years)
Group support and exercise in the management of Post Natal Depression.
C.I Ellwood D, Raphael B, Currie M, Reay R

The Canberra Hospital Private Practice Trust Fund. $15,000.00
Experiences of mothers with 2-year old infants: an investigation of their emotional health, perceived stressors and access to treatment and support. Reay R, Matthey S, Ellwood D

Singapore Study of Successful Aging [SSOSA]: A collaborative project between NUS and UCSD, USA. Grant obtained (2007-2009), S$200, 000.00 (Principal investigator-Rajeev Kumar)

Research proposal in submission for Grants (Diabetes Australia Research Trust and Canberra Hospital Research Fund) (Principal investigator-Rajeev Kumar) 2009–2010

A diffusion tensor magnetic resonance imaging (DT-MRI) study of depression and cognition in type 2 diabetics: a pilot study. Two submissions (A$200,000 from Private Practice Trust Fund and A$60000 from DART for 1 year). Review result not available yet. (Rajeev Kumar)

The Canberra Hospital Private Practice Trust Fund *Mortality and mental illness & Improving the general health of persons with psychosis* Dr Les Drew, Ms F DeLacy

2007 The Canberra Hospital Private Practice Trust Fund $20,000 *Study visit: neuropsychiatric neuroimaging studies collaboration with Karolinska Institute* A/Professor J Looi

Dr Maguire is awaiting the outcome from an application to The Canberra Hospital Private Practice Fund

The Australian Government's Department of Health and Ageing, 2007–2010. Grant obtained $750,000

The Australian Child and Adolescent Trauma, Loss and Grief Network. This collaborative network has been established to promote development and understanding in the field of child and adolescent trauma, loss and grief.

Professor Beverley Raphael, Dr Elspeth Macdonald

PUBLICATIONS

Manuscripts accepted
(*Professor Beverley Raphael)*

Taylor M, Agho K, Stevens G & Raphael, B *Factors influencing psychological distress during a disease epidemic: Data from Australia's first outbreak of equine influence. BMC Public Health 2008 Oct 8/3:347*

Barr M, Raphael B, Taylor M, Stevens G, Jorm L, Giffin M, and Lujic S *Pandemic influenza in Australia: perceptions of threat and willingness to comply. BMC infectious Diseases 2008, 8:117*

Stevens, G, Byrne, S, Raphael, B & Ollerton, R *(2008) Disaster Medical Assistance Teams: What Psychosocial Support is Needed ? Prehospital & Disaster Medicine, 23, 2, 198–203. ISSN 1069-5842*

Taylor M, Raphael B, Barr M, Agho K, Stevens G & Jorm L *Public health measures during an anticipated influenza pandemic: Factors influencing willingness to comply. Submitted to journal of Risk Management and HealthCare Policy (Accepted for publication)*

Raphael B *The challenges of purpose in the face of chaos: commentary paper (published), Int. J. Methods Psychiatry Res. 17(S2): S42–S48 (2008)*

Jones TS, Matias M, Powell J, Jones EG, Fishburn, J, Looi JCL *(2007) Who cares for the elderly mentally ill in Australia's nursing homes? International Journal of Mental Health Nursing, 16:327–337*

Kumar R, Looi JCL (In Press) Toxic Psychosis In Sachdev PS & Keshavan M (eds) *Secondary Schizophrenia. Cambridge University Press, Cambridge*

Kumar R, Looi JCL, Raphael B *Type 2 diabetes mellitus, cognition, and brain in aging: A brief review. Indian Journal of Psychiatry (Invited review 2008, in press)*

Looi JCL, Chan R *Postgraduate Course in Psychiatry Module 14 Neuropsychiatry 2nd Ed. (2007) NSW Institute of Psychiatry: Interactive CD-Rom & Course Materials*

Looi JCL, Raphael B *(2007) Reflections on therapy in the era of the internet. Australasian Psychiatry 15: 334–337*

Looi JCL*, (2008) Healthy leadership, complex decision-making & reflective practice. The Quarterly. Royal Australasian College of Medical Administrators: Melbourne, Australia. pp. 24*

Looi JCL*, (2008) Empathy and competence. Medical Journal of Australia, 188: 414–416*

Looi JCL, Lindberg O, Liberg B, Tatham V, Kumar R, Maller J, Millard E, Sachdev P, Hogberg G, Pagani M, Botes L, Engman E-L, Zhang Y, Svensson L, Wahlund L-O *(2008) Volumetrics of the caudate nucleus: reliability and validity of a new manual tracing protocol. Psychiatry Research-Neuroimaging 163: 279–278*

Looi JCL, Maller, JM, Hogberg G, Pagani M, Lindberg O, Liberg B, Botes L, Engman E-L, Zhang Y, Svensson L, Wahlund L-O. (in press)

Caudate volumes in public transportation workers exposed to trauma in the Stockholm train system. Psychiatry Research-Neuroimaging Psychiatry Res. 2009 Feb 28;171(2):138–43. Epub 2009 Jan 26

Looi JCL, Lindberg O, Zandbelt BB, Ostberg P, Andersen C, Botes L,Svensson L,Wahlund L-O*: (2008) Caudate Nucleus Volume in Frontotemporal Lobar Degeneration – Differential Atrophy in Subtypes of FTLD. AJNR American Journal of Neuroradiology 29: 1537–1543*

Looi JCL, Trollor JN, Sachdev PS*:(2007) Neurological Aspects of Normal Aging. In Feigin V, Bennet DA, (eds) Handbook of Clinical Neuroepidemiology. Nova Science Publishers: New York, pp 465–502*

Pagani M, Salmaso D, Looi J, Hogberg G *Brain functional and volumetric analyses in Post Traumatic Stress Disorder treated by EMDR. 9th EMDR European Conference, London, June 2008 (Abstract)*

Raphael B, Taylor M, Jacobs J, Looi JCL (In Press) *Strategies for occupational mental health protection. Australian & New Zealand Journal of Occupational Health & Safety*

Buist A, Speelman C, Hayes B, Reay R, Milgrom J, Meyer D, Condon J.(2007) *Impact of education on women with perinatal depression. Journal of Psychosomatic Obstetrics & Gynecology, 28:49–54*

Reay R & Mulcahy R (2007) *A randomised controlled trial of Group Interpersonal Psychotherapy for Postnatal Depression. Marce Society International Biennial Scientific Meeting, Keele University, Stoke on Trent, UK. 12th–15th September 2006. Archives of Womens Mental Health Abstracts 10:I–XXVI*

Stigter M, Looi JCL (2008) *Leadership: Lessons in Development. Business Review Weekly, January 24-28, 2008. p 45 ISSN 07277458*

Stigter M, Looi JCL (2008) *A 'Healthy' Leadership. CIO (NZ), January 28, 2008. (http://cio.co.nz)*

Kumar R, Anstey KJ, Cherbuin N, Wen W, Sachdev PS *Association of type 2 diabetes with depression, brain atrophy, and reduced fine motor speed in a 60–64 year old community sample. American Journal of Geriatric Psychiatry 2008; 16: 989–998*

Kumar R, Sachdev PS, Price J, Rosenmann S, Christensen H
Incidental brain abnormalities in 60-64 year old community-dwelling individuals: Data from the PATH Through life study. Acta Neuropsychiatrica 2008: 20: 87-90

Tang BL, Kumar R *Biomarkers of mild cognitive impairment and Alzheimer's disease. Annals of Academy of Medicine Journal Singapore 2008; 37: 406-410*

Anstey KJ, Cherbuin N, Christensen H, Burns R, Meslin C, Jorm AF, Kumar R, Sachdev PS *Follow-up of mild cognitive impairment and related disorders over 4 years in adults in their sixties, the PATH Through life study. Dementia and Geriatric Cognitive Disorders 2008; 26: 226–233*

Broekman BFP, Shwe MS, Jin AZ, Niti M, Ko SM, Kumar R, Fones CSL, Ng TP *Differential item functioning of the geriatric depression scale and the validation of a brief 7-item scale. Journal of Affective Disorders 2008; 108: 285–290*

Broekman BFP, Kumar R, Toh YP, Kua EH *Improving recruitment in Psychiatry- the Singapore experience. Psychiatry Bulletin 2008 (in press).*

Soh KC, Kumar R*, Matthew N, Kua EH, Ng TZ *Subsyndromal depression in old age: clinical significance and impact in a multiethnic community sample of Elderly Singaporeans. International Psychogeriatrics 2008; 20: 188–200(* corresponding author)*

Looi JCL, Lindberg O, Liberg B, Tatham V, Kumar R *et al. Volumetrics of the caudate nucleus: reliability and validity of a new manual tracing protocol. Psychiatry Research Neuroimaging 2008; 163: 279–288*

Anstey KJ, Mack HA, Christensen H, Li S-C, Reglade-Meslin C, Maller JM, Kumar R, Dear K, Easteal S, Sachdev PS
Corpus callosum size, reaction time speed and variability in mild cognitive disorders and in a normative sample. Neuropsychologia, 2007; 45: 1911–20

Kumar R, Looi JCL *Toxic Psychosis; In 'Secondary Schizophrenia' edited by Sachdev*

PS and Keshavan MS. Cambridge University Press 2008 (in press)

Raphael B, Taylor M, McAndrew V (2008) *Women, catastrophe and mental health. Aust N Z J Psychiatry 42 (1) January pp 13–23*

Drew LRH *Mortality and mental illness.* Australian and New Zealand Journal of Psychiatry 2005; 39: 194–197

Gill, S, Macdonald, E, Raphael, B, & Butterworth, P (manuscript submitted) *Children's exposure to parental and familial adversities: Findings from a population survey of Australians*

Maguire PA, Raphael B, Martinek N. Health Workforce (In Press) details *Challenges for Occupational Mental Health, Journal of Occupational Health and Safety – Australia and New Zealand*

Raphael B, Maguire PA *Disaster Mental Research – Past, Present and future (Book Chapter) details*

PRESENTATIONS/ABSTRACTS

Raphael B, Invited Speaker, Diversity in Health Conference 2008 International Conference Sydney, *Terrorism, Disaster and Multicultural Mental Health, March 2008*

Raphael B, Invited Speaker, China, *Psychosocial Management on Disaster: Szechuan Earth Quake, July 2008*

Raphael B, Invited Speaker, 8th International conference (Melb) Grief and Bereavement in contemporary Society, *New Anatomies and Evolving Science: Grief and Bereavement in the 21st Century, July 2008*

Raphael B, Invited Speaker, DHS University Network Summit Workshop, Canberra, *CBRN & other Mass Casualty Incidents: Threat Perception and Psychosocial Response, July 2008*

Raphael B, Invited Speaker, Safeguarding Australia 2008, Canberra, *What needs to be done to make government, industry, community and individuals more resilient, July 2008*

Raphael B, Invited Speaker, School of Medicine Research Colloquia, *Terrorism, Disasters and Mental Health, August 2008*

Raphael B, Invited Speaker, Community Resilience Workshop NSST & NCTC, Canberra, *'Theories' of Community resilience, August 2008*

Raphael B, Invited Lecturer, *Population Mental Health Workshop, September 2008*

Raphael B, Invited Speaker, NSSTU Workshop Prime Minister and Cabinet, Canberra – *Community Resilience, PPRR and Emergency Management, October 2008. NSW.I.O.P*

Looi JCL, Invited Panellist, Australian Davos Connection Future Summit 2007, Health and Aged Care, *Consuming Pains, Melbourne, May 2007*

Looi JCL, Invited Speaker, ACT Health/ANU Medical School Australian Medical Research Week Symposium 'Not quite the Stockholm syndrome', June 2007

Looi JCL, Invited Lecturer, Advanced Management Program, Mt Eliza Executive Education Program, Melbourne Business School, University of Melbourne: 'Strategy, Innovation & Leadership', 'Martial Arts and Leadership', 'Creativity', October 2007

Pagani M, Salmaso D, Looi J, Hogberg G. Brain functional and volumetric analyses in Post Traumatic Stress Disorder treated by EMDR. 9th EMDR European Conference, London, June 2008

Looi JCL, Lead Presenter & Convenor, Workshop on Manual Tracing, 2nd - 4th December 2008, Stockholm Medical Imaging Laboratory & Education (SMILE), Karolinska University Hospital & Karolinska Institute, Huddinge, Stockholm

- Overview of manual tracing (contains rationale and technical aspects such as pre-processing and display, discusses both caudate and putamen). Part I
- Overview of manual tracing Part II
- Presentation of recent scientific results
- Demonstration of tracing of the caudate
- Demonstration of tracing of the putamen
- Training in neuroimaging analysis

Reay R, Matthey S & Ellwood D. Two year outcomes for mothers detected as 'probably depressed' by an early detection program. The International Marce Society 2008 Conference. Sydney NSW 12th September, 2008

Stuart S, O'Hara M & Reay R Interpersonal Psychotherapy for Perinatal Depression: 1 day workshop. The International Marce Society 2008 Conference. Sydney 10th September, 2008

Reay, R Interpersonal Psychotherapy Workshop 8th National Congress of Psychology Private Australia Inc. Canberra, 14th August, 2008

Reay R, Experiences of mothers with 2 year old infants: an investigation of their emotional health, perceived stressors and access to help. Poster: Canberra Regional Annual Scientific Meeting May 30th, 2008

Matthey S, Fletcher R, Reay R, What are the successful strategies for engaging fathers in the perinatal period? 5th Australian Family & Community Strengths Conference: Newcastle, NSW. Wed 16–Fri 18 April, 2008

Reay R, Experiences of mothers with 2 year old infants: an investigation of their emotional health, perceived stressors and access to help. Poster: 3rd International Congress on Women's Mental Health. Melbourne, Vic 17–20 March, 2008

Reay R, Better Outcomes in Mental Health: Level 2 General Practitioner training. Canberra, March 3rd & 4th, 2007

Reay R, Stuart S, Invited speakers Ask the Experts Workshop: IPT for Perinatal Depression. Interpersonal Psychotherapy: Extending the Reach of IPT, University of Toronto, Canada. 14th November, 2006

Reay R, Mulcahy R, A randomised controlled trial of Group Interpersonal Psychotherapy for Postnatal Depression. Interpersonal Psychotherapy: Extending the Reach Of IPT, University of Toronto, Canada. 13th November, 2006

Kumar R, 2007 First World Congress of Asian Psychiatry, Goa, India, August Chair, symposium on Old Age Psychiatry and presented a paper on Mild Cognitive Impairment: update. Also, was a member of the scientific committee of this congress.

Kumar R, 2008 Poster presented at the CINP Meeting in Munich Germany Association of type 2 diabetes with depression, brain atrophy, and reduced fine motor speed in a 60–64 year old community sample.

Kumar R, 2008 Invited talk- Mild Cognitive Impairment: Insights from an epidemiological study at the Centre for Mental Health Research, Australian National University

Kumar R, 2009 Oral presentation paper accepted at the Vas Cog 2009 conference in Singapore. Paper entitled 'Association of type 2 diabetes with depression, brain atrophy, and reduced fine motor speed in a 60–64 year old community sample'

McAndrew V, 2008 RANZCP ACT Branch Annual Scientific Meeting. 'Adverse life experiences, grief loss & trauma in children & adolescents'

McAndrew V, 2008 RANZCP Congress. 'What do we know about trauma and loss in C&A clinical populations?'

McAndrew V, ANU Medical School: Sept 2008 PhD presentation seminar: 'How much do we know about trauma and loss in child and adolescent clinical populations?'

Macdonald E, October 2008. A model for doing coalface clinical research: Problems and pleasures. RANZCP Faculty of Child and Adolescent Psychiatry Conference, Port Douglas, Australia

Macdonald E, October 2008. Visualising a national network for child and adolescent trauma, loss and grief. RANZCP Faculty of Child and Adolescent Psychiatry Conference, Port Douglas, Australia

Maguire P, ANU Medical School: Sept 2008 PhD presentation seminar: 'Health Beliefs in People with a Mental Illness' 2008

Maguire P, Invited speaker, Multidisciplinary Staff Education Session, Mental Health ACT: 'Overview of ECT' 2007

AWARDS

Raphael B, RANZCP Medal of Honour, 2008

Reay R, Rotary Daybreak Vocational Award for Occupational Therapy, 2008

Kumar R, Best Teaching Award nominee, Faculty category, 2008, Australia National University medical School

POPULATION HEALTH

STAFF

Dr Charles Guest, Chief Health Officer

Linda Halliday, Director of ACT Cancer Registry, Manager Population Health Research Centre

Janet Li, Epidemiologist, ACT Cancer Registry

Rosalind Sexton, Data Manager, ACT Cancer Registry

Louise Freebairn, Epidemiologist

Cathy Baker, Epidemiologist

Maureen Bourne, Data Manager Maternal Perinatal Data Collection

COLLABORATIVE ASSOCIATES

Winnunga Nimmityjah Aboriginal Health Service and Australian Institute of Aboriginal and Torres Strait Islander Studies.

RESEARCH PROJECTS

Determining patterns of health and illness in Aboriginal and Torres Strait Islander people residing in the ACT

This project aims to improve the accuracy of identification of Aboriginal and Torres Strait Islander people in ACT Health datasets. This collaborative data linkage project will link Winnunga's patient database to ACT Health datasets, to determine the level of accuracy of Indigenous status identification. The outcomes of the current project will be to provide information that will enable more targeted health improvement strategies.

Estimating cancer survival in the ACT

Cancer survival rates or survival statistics tell you the percentage of people who survive a certain type of cancer for a specific amount of time. This is the first analysis of cancer survival estimates in the ACT, and provides estimates of 5-year survival of all cancers recorded in the ACT Cancer Registry up to the end of 2004. The estimate relative survival ratios have been calculated using the period approach with the window period during 2000–2004 and follow up until 31 December 2004.

Perinatal Mortality in the ACT

A review of Perinatal Mortality in the ACT 2001–2005, found the ACT resident perinatal mortality rate was 10.6 per 1,000 total births. The report confirms that the fetal death rates and perinatal mortality rates for the ACT were similar to Australia between 2001 and 2005. This report represents a significant improvement in the reporting of perinatal deaths in the ACT with the classification of deaths according to the Perinatal Society of Australia and New Zealand Classification of Perinatal Mortality. The use of this system allows comparisons across Australia ensuring that identification of potentially preventable factors occurs and that possible areas of research into perinatal mortality are identified.

PUBLICATIONS

Health Series report. Cancer survival: Survival estimates for 2000–2004, Australian Capital Territory, ACT Health. (in press)

Health Series report. The report on the 2006 ACT Year 6 Physical Activity and Nutrition Survey, ACT Health, Canberra ACT.

Population Health Research Centre, ACT Health (2008). Perinatal Mortality in the ACT 2001–2005, ACT Government, Canberra ACT. Publication no. 08/0789

PRESENTATIONS/ABSTRACTS

Li J, Sexton RJ, Halliday LJ. Estimating cancer survival ratios in the ACT: Period and hybrid methods. International Association of Cancer Registries 2008 Scientific Meeting, Sydney. Published in Asia-Pacific J of Clinical Oncology 2008; 4(Suppl.2): A87-A182

Li J, Sexton RJ, Halliday LJ. Survival of common cancers in the Australian Capital Territory. International Association of Cancer Registries 2008 Scientific Meeting, Sydney. Published in Asia-Pacific J of Clinical Oncology 2008; 4(Suppl.2): A87-A182

Freebairn, L. Indigenous People in the ACT require hospitalisation for chronic conditions at younger ages. Presented at the Population Health Congress, Brisbane, July, 2008

Baker, C. Overweight and obesity and associated behaviours and outcomes in ACT Year 6 children. Presented at Population Health Congress, Brisbane. July, 2008

POPULATION HEALTH

Health Protection Service/ ACT Government Analytical Laboratory/ Toxicology and Forensic Chemistry Unit

STUDENTS

The ACT Government Analytical Laboratory (ACTGAL) is an industry partner to the University of Canberra (UC). As part of this relationship ACTGAL provides supervisors for post-graduate students.

Co-Supervised by Dr Julieanne Dougherty (ACTGAL), Dr David Lin (UC), Associate Prof Gabrielle Cooper (UC)

Stuart Cashmere, National Centre for Forensic Studies, University of Canberra, Honours Studies, 2007

Roadside Drug Testing Within the Australian Capital Territory: An Evaluation of Oral Fluid Drug Screening Devices and Analysis of Illicit Substances in Oral Fluid of Drivers

Co-Supervised by Prof Jennelle Kyd (UC), Prof Bill Maher (UC), Dr Ian Whittall (ACTGAL), Dennis Pianca (ACTGAL)

Luigino G Apollonio, National Centre for Forensic Studies, University of Canberra, Doctorate Thesis 2008

Innovations for Systematic Toxicological Analysis: Amphetamine-Type Substances and Designer Analogues

COLLABORATIVE ASSOCIATES

National Centre for Forensic Studies, University of Canberra

Australian Federal Police, ACT Policing, Alcohol and Drug Policy, Ms Andrea Coss

Australian Federal Police, ACT Policing, Road Safety, Mr Michael Chew, Mr Patrick Egan and Mr Ron Melis

NRMA ACT Road Safety Trust

RESEARCH PROJECTS

Stuart Cashmere, National Centre for Forensic Studies, University of Canberra, Honours Studies, 2007

Roadside Drug Testing Within the Australian Capital Territory: An Evaluation of Oral Fluid Drug Screening Devices and Analysis of Illicit Substances in Oral Fluid of Drivers

Luigino G Apollonio, National Centre for Forensic Studies, University of Canberra, Doctorate Thesis 2008

Innovations for Systematic Toxicological Analysis: Amphetamine-Type Substances and Designer Analogues

FUNDING

Roadside Drug Testing Within the Australian Capital Territory: An Evaluation of Oral Fluid Drug Screening Devices and Analysis of Illicit Substances in Oral Fluid of Drivers

HealthPact Administered through University of Canberra, $20,000

Australian Federal Police, ACT Policing, $3,000

University of Canberra

ACT Government Analytical Laboratory

Innovations for Systematic Toxicological Analysis: Amphetamine-Type Substances and Designer Analogues.

NRMA ACT Road Safety Trust, $31,000

PUBLICATIONS

Apollonio LG, Whittall IR, Pianca DJ, Kyd JM, Maher WA.
Matrix Effect and Cross-Reactivity of Select Amphetamine-Type Substances, Designer Analogues, and Putrefactive Amines using the Bio-Quant Direct ELISA Presumptive Assays for Amphetamine and Methamphetamine
J Anal Toxicol. 2007;31:208–13

Apollonio LG, Pianca DJ, Whittall IR, Kyd JM, Maher WA
A comparison of atmospheric pressure chemical ionization and electrospray ionization in testing for amphetamine-type substances and ketamine using ultra-performance liquid chromatography/mass spectrometry
Rapid Commun Mass Spectrom 2006;20:2777–80

Apollonio LG, Whittall IR, Pianca DJ, Kyd JM, Maher WA
Product ion mass spectra of amphetamine-type substances, designer analogues, and ketamine using ultra-performance liquid chromatography/tandem mass spectrometry
Rapid Commun Mass Spectrom. 2006;20:2259–64

Apollonio LG, Pianca DJ, Whittall IR, Maher WA, Kyd JM
A demonstration of the use of ultra-performance liquid chromatography-mass spectrometry [UPLC/MS] in the determination of amphetamine-type substances and ketamine for forensic and toxicological analysis
J Chromatogr B Analyt Technol Biomed Life Sci. 2006 19;836:111–5

Stuart Cashmere, Honours Thesis 2007
Roadside Drug Testing Within the Australian Capital Territory: An Evaluation of Oral Fluid Drug Screening Devices and Analysis of Illicit Substances in Oral Fluid of Drivers

Luigino G. Apollonio, Doctorate Thesis 2007
Innovations for Systematic Toxicological Analysis: Amphetamine-Type Substances and Designer Analogues.

PRESENTATIONS/ABSTRACTS

Dennis Pianca
The Cook, His Speed and the Chemist
Royal Australian Chemical Institute, Canberra Branch
9 July 2008

Dr Julieanne Dougherty
Prevalence of Drugs in ACT Drivers.
Drugs and Drivers Forum
University of Canberra & ACT Transport and Municipal Services
3 June 2008
Part of the public consultation process for introduction of road-side drug testing.

Stuart Cashmere
Roadside Drug Testing in the ACT
Research & Development Workshop, University of Canberra, 19 April 2007

Apollonio, LG, Whittall, IR, Pianca, DJ, Kyd, JM, Maher, WA (2006)
The determination of amphetamine type substances, designer analogues, and ketamine using Ultra Performance liquid chromatography–mass spectrometry.
The 18th International Symposium of the Australian and New Zealand Forensic Science Society, Fremantle, Australia. Oral presentation.

Apollonio, LG, Whittall, IR, Pianca, DJ, Kyd, JM, Maher, WA (2006)
Suspension Bead Array technology as a presumptive tool in testing for amphetamine type substances and designer analogues.
The 44th International Meeting of the International Association of Forensic Toxicologists, Ljubljana, Slovenia. Oral Presentation.

Apollonio, LG, Whittall, IR, Pianca, DJ, Kyd, JM, Maher, WA (2005)
The determination of amphetamine type substances, designer analogues, and ketamine using Ultra Performance liquid chromatography–tandem mass spectrometry.
The 43rd International Meeting of the International Association of Forensic Toxicologists, Seoul, Korea. Poster Presentation.

Apollonio, LG, Whittall, IR, Pianca, DJ, Kyd, JM, Maher, WA (2005)
The determination of amphetamine type substances, designer analogues, and ketamine using Ultra Performance liquid chromatography–mass spectrometry.
The 13th Annual Research and Development Topics Conference of the Royal Australian Chemical Institute, Mt. Eliza, Australia. Oral Presentation.

Apollonio, LG (2004)
A systematic toxicological approach for the testing of amphetamine type substances in decomposing remains.
Quarterly Research and Development Workshop of the Australian Federal Police, Canberra, Australia. Oral Presentation.

Apollonio, LG (2004)
Novel Toxicological Approaches for the testing of amphetamine type substances in biological specimens.
Quarterly Research and Development Workshop of the Australian Federal Police, Canberra, Australia. Oral Presentation..

Apollonio, LG (2004)
Novel Toxicological Approaches for the testing of amphetamine type substances in biological specimens.
Divisional Research Institute Postgraduate Research Corroboree, University of Canberra, Australia. Oral Presentation.

Apollonio, LG (2004)
Novel Toxicological Approaches for the testing of amphetamine type substances in biological specimens.
The 12th Annual Research & Development Topics Conference of the Royal Australian Chemical Institute, University of Melbourne, Australia. Oral Presentation.

AWARDS

Apollonio, LG (2006)
ANZFSS Travel Award for the 18th International Symposium of the Australian and New Zealand Forensic Science Society, Fremantle, Australia. Oral presentation.

Apollonio, (2005)
Royal Australian Chemical Institute Travel Award. The 13th Annual Research and Development Topics Conference of the Royal Australian Chemical Institute, Mt. Eliza, Australia. Oral Presentation.

PROVISION OF DATA

Illicit Drug Data Report
Australian Crime Commission
Controlled Substances Data.

National Coronial Information System
Post Mortem Toxicology Data.

ADVICE

Trends and Advice to AFP (Investigation of emerging drug trends in ACT).

Expertise and data in to policy development for Road Transport Act.

RESEARCH CENTRE FOR NURSING & MIDWIFERY PRACTICE

STAFF

Leonie Johnson A/g Director

Ann Marie Dunk , Research Assistant, Candidate Masters of Research (Nursing) Deakin University

Michelle Cole, Research Centre Office Manager

COLLABORATIVE ASSOCIATES

Jan Taylor, Senior Lecturer in Nursing, Nursing Division of Health, Design and Science, University of Canberra

Anne Gardner, Professor of Nursing -Tropical Heath, Tropical Health Research Unit for Nursing and Midwifery Practice, *Collaborative appointment between James Cook University and Townsville Health Service District*

Gordon Waddington, Associate Professor in Physiotherapy, School of Health Sciences, Division of Health, Design and Science, University of Canberra

RESEARCH PROJECTS

In 2008, the Research Centre for Nursing & Midwifery Practice actively supported and profiled the importance of pressure injury prevalence. With the ongoing commitment of the ACT Health Pressure Injury Prevention and Management Reference Group, a Framework document was developed and implemented, providing a comprehensive and consistent approach for the prevention and management of pressure injuries across ACT Health and a Nursing and Midwifery Research Policy. The policy sets out ACT Health governance requirements and the responsibilities of nurses and midwives involved in research activities.

March 2008 - *Pressure Injury Prevalence (PIP08) Study* across ACT Health which included Jindalee Aged Care Residence. An incentive to conduct this study during National Wound Awareness Week, AM Dunk RN, L Johnson NP, RN

Judith Barker, Karen Sweeney, Debbie Hagen, Ann Marie Dunk, Michelle Cole, Narelle Boyd, Barbara Cooper

November 2008: Australian and New Zealand Infection Prevention and Control Covidien Healthcare Scholarship

'Creating a level of knowledge in wound management and infection prevention and control practices for graduate nurses' AM Dunk RN, C Wakeling, RN, Dianne Dreimanis RN, Wendy Beckingham RN, J Taylor RN, S Eldridge RN, K Cargill RN

2007 and 2008: ACT Health Practice Development Grants, Nursing and Midwifery

The Practice Development Grants Program (PDG) was introduced in March 2007 as part of ACT Health's commitment to promote and support the application of evidence into clinical practice for Nurses & Midwives.

Practice Development Grants, 2007

How can we reduce the recurrence of venous leg ulcers for patients in the community? Development of a Community based 'Leg Club' - pilot practice development initiative, Barker J RN

Priorities for Nursing & Midwifery research in a tertiary health care setting in the ACT - Pilot Study, Dunk AM, RN and Taylor J, Senior Lecturer, University of Canberra

Canberra Endometriosis Clinic - a partnership with teenagers and women to diagnose and manage endometriosis, Parker M, RN Level 1, Postnatal Ward

Improving the management of patients receiving post exposure prophylaxis (PEP) at Canberra Sexual Health Centre: (1) Trial a Human Immunodeficiency virus (HIV) post exposure prophylaxis (PEP) proforma with the aims of improving patient care and documentation and (2) Develop a Recall System to prompt more comprehensive HIV rescreening in patients who receive PEP after exposure to HIV, Del Rosario R, A/g Clinical Nurse Consultant, Canberra Sexual Health Centre and Currie M, Research Manager, Academic Unit of Internal Medicine

Practice Development Grants - 2008

Women's experience of admission to TCH Gynaecology Assessment Unit, Fowler, C, Clinical Midwife Consultant, Antenatal Services

Development of a 'Patient Care Manual for the Ongoing Management of Gastrostomy Tubes' - implementation project based on findings from completed research project: 'Family Caregiver Perspectives On Management Of Long-Term Home Enteral Nutrition Via A Gastrostomy Tube'. Cooper B, Clinical Nurse Consultant, Acute Post Acute Care, Community Health, Continuing Care, Practice Development Unit

'Legs 11' Development Key Performance Indicators (KPI) for Leg Ulcers. Barker J, Clinical Nurse Consultant Wounds, Continuing Care and Gaukroger M, Manager Nursing Services, Project Officer, Continuing Care

How can midwives facilitate immediate, uninterrupted skin to skin contact between mother and baby after caesarean birth in theatre, through recovery and to the postnatal ward? Biro E, RM Delivery Suite, Canberra Hospital

Developing a focus in wound care excellence through new documentation and capacity building for measuring patient outcomes in wound management. Boyd N, Clinical Nurse Consultant, Ward 6B and Dunk AM, CNC Wound Management, Canberra Hospital

Identifying and overcoming health professionals' barriers to the use of nicotine replacement therapy (NRT) for pregnant women on the Antenatal Ward (ANW) of the Canberra Hospital. O'Brien M, RM, ACT SmokeFree Pregnancy & Families Project Officer/Midwife, Canberra Hospital

The development of a staged orientation program for graduate and new nurses in the centre for newborn care the Canberra Hospital. Ehrlich L, Clinical Development Nurse, Centre for Newborn Care. Project, Canberra Hospital

ACT Nurse Practitioners - defining current practice to improve future practice. Hagen D, Executive Officer Aged Care and Rehabilitation Services

PUBLICATIONS

ACT Health, Research and Quality Initiatives Compendium 2007. Excellence in Nursing and Midwifery Practice Applying Evidence into Practice. Vol 1 No1.

PRESENTATIONS/ABSTRACTS

Exploring the anatomical characteristics of the sacral region related to pressure injuries in hospitalised patients. Dunk AM Victorian and Tasmanian Deans Annual Research Conference, Deakin University, Melbourne November 2007

A survey of nurses' perceptions and product choices of the infected wound. Dunk AM, Barker J, Beckingham W, Dreimanis D, McNally L, Taylor J. Clinical Grand Rounds for Nurses & Midwives May 2008

ACT Wound Management Association Educational night August 2008

Nurses' lead pressure injury prevention across the Australian Capital Territory (ACT), Australian Wound Management Association 7th National Conference, Darwin, May 2008

Nurses' leading pressure injury prevention within the Australian Capital Territory (ACT), Dunk A M, ACT Health Community Health Continuing Care, Practice Development Programme, November 2008

The MDOT Study: Menstrual Disorder of Teenagers. Parker MA, Sneddon A, & Arbon P. 10th World Congress on Endometriosis, 11–14th March 2008, Melbourne, Australia. Best Clinical Presentation Award

POSTER

A survey of nurses' perceptions and product choices of the infected wound. Dunk AM, Barker J, Beckingham W, Dreimanis D, McNally L, Taylor J. Australian Infection Control Association Conference, Melbourne, October 2008

AWARDS

ACT Health International Nurses and Midwives Week, Excellence in Research 2007 and 2008: Ann Marie Dunk nomination

ALLIED HEALTH ADVISER'S OFFICE

STAFF

Judy Stone, Interprofessional Learning Coordinator for ACT Health

STUDENTS

Ms Robyn Clay-Williams, Centre for Clinical Governance Research, University of New South Wales (PhD student)

Ms Tania Lawlis, University of Canberra (PhD student)

COLLABORATIVE ASSOCIATES

Professor Jeffery Braithwaite, Centre for Clinical Governance Research, University of New South Wales

Professor Johanna Westbrook, Health Informatics Research & Evaluation Unit, University of Sydney

Associate Professor Ruth Foxwell, University of Canberra

Dr Rosalie Boyce, School of Health & Rehabilitation Sciences, University of Queensland

Professor Timothy Devinney, Australian Graduate School of Management, University of New South Wales

Associate Professor Marc Budge, Medical School, Australian National University; ACT Health

Professor Bill Runciman, Australian Patient Safety Foundation

Dr Mary-Ann Ryall, ACT Health

Ms Elizabeth Renton, ACT Health

Associate Professor Amanda Barnard, Medical School, Australian National University

Ms Jo Travaglia, Centre for Clinical Governance Research, University of New South Wales

Dr David Greenfield, Centre for Clinical Governance Research, University of New South Wales

Dr Peter Nugus, Centre for Clinical Governance Research, University of New South Wales

Judy Stone, ACT Health

Ms Karen Murphy, Allied Health Adviser for ACT Health

Dr Coralie McCormack, Teaching and Learning Centre, University of Canberra

Associate Professor Gordon Waddington, Faculty of Health, University of Canberra

Giovanna Richmond, School of Social Work, Australian Catholic University

Katrina Milbourne, Workforce Policy & Planning, ACT Health

David Robertson, Workforce Strategy, Human Resource Management Branch, ACT Health

Joel Madden, Organisational Development, Human Resource Management Branch, ACT Health

RESEARCH PROJECTS

The ACT Health Interprofessional Learning and Clinical Education Project 2006–2010
Professor Jeffery Braithwaite and collaborative associates
The intention of the project is to conduct a collaborative action research project using interprofessional learning (IPL) as the basis for improving interprofessional practice (IPP). In undertaking this project the partners are attempting to produce a profound culture change in the way health professionals work together to deliver services. The project stands at the intersection of three industries – tertiary education, professionally-based education and the health system, and it spans both the public and private heath sectors.

A Pilot Mentoring Program for Early Career Researchers in Allied Health Professions in the ACT, 2004–2008
Dr Coralie McCormack and collaborative associates.
This program aimed to provide early career researchers in the allied health professions in the ACT with an opportunity to work on a research goal of their choice with the guidance and support of an experienced research adviser. For the purposes of this program an 'early career researcher' included those professionals who did not see themselves as researchers, had only recently focused on research and wanted additional support, were recent PhD graduates who wanted to publish their research or seek postdoctoral opportunities, or were current or prospective research students.

FUNDING

2006

Australian Research Council (ARC) linkage grant $4.78M

2004

ACT Health and Medical Research Support Program $1,000

ACT Health, in kind

University of Canberra, in kind

Australian Catholic University, in kind

PUBLICATIONS

Stone, J. (2008) 'Prescribing as a vehicle to promote interprofessional education', *Journal of Interprofessional Care*, 22(1): 115–118

Braithwaite, J, Westbrook, J, Foxwell, A. Boyce, R, Devinney, T, Budge, M, Murphy, K, Ryall, A, Beutel, J, Vanderheide, R, Renton, E, Travaglia, J, Stone, J, Barnard, A, Greenfield, D, Corbett, A, Nugus. P and Clay-Williams, R (2007) 'An action research protocol to strengthen system-wide inter-professional learning and practice. [LP0775514]', *BMC Health Services Research,* 7: 144; http://www.biomedcentral.com/1472–6963/7/144

Nisbet, G, Thistlethwaite, J, Chesters, J, Jones, M, Moran, M, Murphy, K, and Playford, D (2007) 'Sharing a vision for collaborative practice: the formation of an Australasian Interprofessional Practice and Education Network (AIPPEN), *Focus on Health Professional Education: A Multi-disciplinary Journal*, 8(3): 1–7

Chesters, J, and Murphy, K. (2007) 'Stepping up to interprofessional practice: a health department promotes interdisciplinary learning', *Focus on Health Professional Education: A Multi-disciplinary Journal*, 8(3): 8–15

PRESENTATIONS/ABSTRACTS

Stone, J, McCormack, C, Waddington, G, Richmond, G, and Murphy, K. (2007) 'Making interprofessional linkages work for mentoring', *ANZAME Conference – The Association for Health Professional Education*, 12–15 September, Canberra

Nugus, P, Travaglia, J, Greenfield, D, and Braithwaite, J. (2008) 'How interprofessional learning and practice can lead to improved patient safety', *Sixth Australasian Conference of Safety and Quality in Health Care*, 1–3 September, Christchurch, New Zealand

Travaglia, J, Nugus, P, and Braithwaite, J (2008) 'Changing patient safety culture: A comparison across time', *Sixth Australasian Conference of Safety and Quality in Health Care*, 1–3 September, Christchurch, New Zealand

Nugus, P, Greenfield, D, Travaglia, J, and Braithwaite, J. (2008) 'Interprofessional learning and practice in health service delivery: The intersection of power, differentiation and safety', *Conference of the Australian Sociological Association*, 2–5 December, Melbourne

Playford, D, Thistlethwaite, J, Nesbit, G, Hobbs, C, Moran, M, Chesters, J, Stone, J, and Murphy, K. (2008) 'Development of an Australasian interprofessional paradigm', *The 13th Ottawa International Conference on Clinical Competence*, 5–8 March, Melbourne

Chesters, J, Hobbs, C, McGregor, D, Moran, M, Nisbet, G, and Stone, J. (2007) 'Interprofessional learning – leading the way in addressing future workforce needs,' *ANZAME Conference – The Association for Health Professional Education*, 12–15 September, Canberra

Scarvell, J and Stone, J (2007) 'Free to think laterally. The university and the health care service collaborate in an interprofessional learning and teaching initiative for clinical education.' *ANZAME Conference – The Association for Health Professional Education*, 12–15 September, Canberra

Stone, J. (2007) 'Identifying, nurturing and recognising our interprofessional leaders in ACT Health', *7th National Allied Health Conference*, 18–20 July, Hobart

Nugus, P, Travaglia, J, Greenfield, D, Braithwaite, J. (2008) 'Interprofessional learning: What does it contribute in practice?' *ANU Faculty of Medicine Health Social Science Seminar Series*, Canberra, 16 December

Stone, J. (2007) 'Interprofessional practice for a model ward', *Exploring Interprofessional Learning*, Launceston General Hospital Workshop, 6 December, Launceston

Stone, J. (2007) 'Interprofessional practice for practice managers', *Australian Association of Practice Managers (Ltd.) National Conference*, 16–19 October, Hobart

Stone, J, McCormack, C, Waddington, G, Richmond, G, and Murphy, K. (2007) 'Making interprofessional linkages work for mentoring', *ANZAME Conference – The Association for Health Professional Education*, 12–15 September, Canberra

Nugus, P, Travaglia, J, Greenfield, D, and Braithwaite, J. (2008) 'How interprofessional learning and practice can lead to improved patient safety', *Sixth Australasian Conference of Safety and Quality in Health Care*, 1–3 September, Christchurch, New Zealand

Travaglia, J, Nugus, P, Braithwaite, J (2008) 'Changing patient safety culture: A comparison across time', *Sixth Australasian Conference of Safety and Quality in Health Care*, 1–3 September, Christchurch, New Zealand

Nugus, P, Greenfield, D, Travaglia, J, Braithwaite, J. (2008) 'Interprofessional learning and practice in health service delivery: The intersection of power, differentiation and safety', *Conference of the Australian Sociological Association*, 2–5 December, Melbourne

Stone, J. (2007) 'Interprofessional practice for practice managers', *Australian Association of Practice Managers (Ltd.) National Conference*, 16–19 October, Hobart

Chesters, J, Hobbs, C, McGregor, D, Moran, M, Nisbet, G, Stone, J. (2007) 'Interprofessional learning – leading the way in addressing future workforce needs.', *ANZAME Conference – The Association for Health Professional Education*, 12–15 September, Canberra

Scarvell, J, and Stone, J. (2007) 'Free to think laterally. The university and the health care service collaborate in an interprofessional learning and teaching initiative for clinical education.' *ANZAME Conference – The Association for Health Professional Education*, 12–15 September, Canberra

Stone, J, McCormack, C, Waddington, G, Richmond, G, Murphy, K. (2007) 'Making interprofessional linkages work for mentoring', *ANZAME Conference – The Association for Health Professional Education*, 12–15 September, Canberra

Stone, J. (2007) 'Identifying, nurturing and recognising our interprofessional leaders,' *7th National Allied Health Conference*, 18–20 July, Hobart

Braithwaite, J, Travaglia, J, Greenfield, D, Westbrook, M, Nugus, P, Creswick, N, Westbrook, J. (2008) 'Disentangling culture change by understanding the core features of clinical networks, inter-professional collaborations and communities of practice', *Conference of the International Society for Quality in Health Care*, Copenhagen, Denmark, 19–22 October

Playford, D, Thistlethwaite, J, Nesbit, G, Hobbs, C, Moran, M, Chesters, J, Stone, J, and Murphy, K (2008) 'Development of an Australasian interprofessional paradigm', *The 13th Ottawa International Conference on Clinical Competence*, 5–8 March, Melbourne

Nugus, P, Travaglia, J, Greenfield, D, and Braithwaite, J (2008) 'Interprofessional learning: What does it contribute in practice?' *ANU Faculty of Medicine Health Social Science Seminar Series*, Canberra, 16 December

Travaglia, J, Nugus, P, Greenfield, D and Braithwaite, J (2008) 'Interprofessional in the ACT' *University of Canberra Faculty of Health Open Forum on Interprofessionalism,* Canberra, 9 December

Venkataraman, S and Stone, J. (2008) 'Perioperative Interprofessional Learning Project', 2 IPL discussion sessions for students on clinical placement, Calvary Hospital, 6th and 27th May

Stone, J (2008) 'Interprofessional Learning Introduction for Community Health and Aged Care and Rehabilitation Services', *ACT Health*, 29 April

Stone, J (2008) 'Brisbane Interprofessional Learning Workshop', *Griffith University*, 31 July

Stone, J (2008) 'Launch of Health & Social Care Interprofessional Network, Shepparton', *Melbourne University School of Rural Health*, 23 October, Shepparton

Greenfield, D, Nugus, P, Travaglia, J, and Braithwaite, J (2007) 'Interprofessional learning and interprofessional practice.' *Australian College of Health Service Executives (NSW Branch)*, 15 September

Stone, J (2007) 'ACT Health interprofessional learning project', *ACT Health Patient Safety & Quality Week: Showcase Forum*, 14–23 November

Stone, J (2007) 'IPL and IPP - the patients story, part 2 - Access Improvement Program', *ACT Health Medical Education (interprofessional training sessions for junior medical officers),* 30 October

Stone, J (2007) 'Launch of Gippsland Regional Interprofessional Healthcare Network', *Monash University Department of Rural & Indigenous Health*, 25 October, Latrobe Regional Hospital

Stone, J (2007) 'IPL and IPP - the patients story, part 1 - Access Improvement Program', *ACT Health Medical Education (interprofessional training sessions for junior medical officers),* 16 October

Stone, J (2007) 'IPL and IPP - Community and Acute Gastroenterology Team', *ACT Health Medical Education (interprofessional training sessions for junior medical officers),* 18 September

Stone, J (2007) 'IPL and IPP - Paediatric Team – PaTCH', *ACT Health Medical Education (interprofessional training sessions for junior medical officers),* 28 August

Stone, J (2007) 'IPL and IPP - Renal Dialysis Team', *ACT Health Medical Education (interprofessional training sessions for junior medical officers),* 14 August

Stone, J (2007) 'IPL and IPP - Stroke Team (TCH)', *ACT Health Medical Education (interprofessional training sessions for junior medical officers),* 24 July

Workshops

Low, H, Forman, D and Stone, J (2009) 'Facilitating Interprofessional Learning and Working: a workshop for Clinical Educators', Canberra Institute of Technology, 3 March

Low, H, Forman, D and Stone, J (2009) 'Planning & Delivery of Interprofessional Education for Universities', University of Canberra, 4 March

Stone, J (2009) 'Interprofessional Learning Introduction', *ACT Health, Staff Development Unit, 'Capabiliti' training management system*, 28 January

Stone, J (2008) 'Interprofessional Learning: Philosophy and Practice', Royal Perth Hospital, Perth, 28 November

Stone, J (2008) 'Interprofessional Learning Introduction', *ACT Health, Staff Development Unit, 'Capabiliti' training management system*, 25 November

Travaglia, J, Greenfield, D, Nugus, P and Braithwaite, J (2008) 'The ACT Health IPL-IPP Project'. (2008). *Canberra Institute of Technology Emerging issues in health and the community*, 22 July, Canberra

Travaglia, J, Stone, J, Greenfield, D, Nugus, P and Foxwell, R (2008) 'IPL-IPP project Update.' *ACT Health - UNSW Interprofessional Learning and Interprofessional Practice Action-Research Project*, 14 April, Canberra

Low, H, Stone, J and Travaglia, J (2008) 'Interprofessional learning and interprofessional practice: developing champions within ACT Health', 13 and 14 March, Canberra

Stone, J (2007) 'Launceston General Hospital, 4D: an inspiring interprofessional ward', *Exploring Interprofessional Learning (*Workshop), 6 December, Launceston

Stone, J and Madden, J (2007) 'Interprofessional practice education for health care professionals', *ACT Health Workshop for Community Health Managers*, 27 November, Canberra

Travaglia, J, Greenfield, D and Braithwaite, J (2007) 'Interprofessional learning, interprofessional practice and patient safety.' *Keynote presentation to the Interprofessional Learning Workshop of the National Prescribing Service Working Party on Curriculum and Training Program*, 5 November, Sydney

Other presentations

Braithwaite, J, Travaglia, J, Greenfield, D, and Nugus, P (2008) 'Interprofessional Learning: building an evidence base for a system-wide interprofessional learning capability' *University of Sydney Interprofessional learning Day,* 13 November, Sydney

Travaglia, J, Greenfield, D, Nugus, P and Braithwaite, J (2008) 'Patient safety and interprofessionalism: the missing link'. Keynote address. *University of Queensland Health Care Teams Challenge*, 19 May, Brisbane

AWARDS

Canberra Region Annual Scientific Meeting (CRASM)

2007

Guan Chong Young Investigator Award, Dr Peter Tyrer, for the presentation of 'Pathophysiological Effects of Muramyl Dipeptide in a Novel Coculture Model of Intestinal Epithelial and Monocyte Cell Interactions'

2008

ANUMS Prize for the Best Student Oral Presentation, Connor O'Meara

ANUMS Prize for the Best Student Poster Presentation, Kristen Overton

University of Canberra Prize for the Best Laboratory Science Poster Presentation, Lucy Coupland

Guan Chong Award for the Best Clinical Oral Presentation, Imogen Mitchell

TCH Executive Prize for the Best Laboratory Science Oral Presentation, Narci Teoh

TCH Executive Prize for the Best Clinical Poster Presentation, Dipti Talaulikar

The Canberra Hospital Private Practice Fund (TCHPPF) Summer Vacation Scholarships

2007–2008

Charles Austin-Woods

Sarah Bombell

Mark Gobbin

Pauline Habib

Paul Knight

David Owen

2008-2009

Parul Bali

Ciaran Bird

Titi Chen

Penny Gosling

Robyne Hingeley

Claudia Long

Riche Mohan

The Canberra Hospital Private Practice Fund (TCHPPF) Major Grants 2007 (for 2008/2009)

Chief Investigators: Dr W Abhayaratna, Associate Professor M Budge, Associate Professor K Anstey, Professor H Christensen
Departments: Clinical Trials Unit, TCH, Aged Care & Rehabilitation, TCH, Aging Research Unit, ANU, Centre for Mental Health Research, ANU
Project: Characterising the interrelationships between central and brachial blood pressure, arterial stiffness, left ventricular function and cognition
Total Funding: $163,500

Chief Investigators: Professor D Ellwood, Dr M Currie, Prof B Raphael, Ms R Reay
Departments: Obstetrics and Gynaecology, TCH, Academic Unit of Internal Medicine, TCH, Psychological Medicine, ANU, Psychological Medicine, ANU
Project: Does group support combined with exercise improve psychological outcomes for women with postnatal depression: a randomised controlled trial?
Total Funding: $133,000

Chief Investigators: Dr A Kent, Professor J Dahlstrom, Professor J Bertram
Departments: Department of Neonatology, TCH, Department of Anatomical Pathology, TCH, Department of Anatomy and Cell Biology, Monash University

Project: Study of Indomethacin, Ibuprofen and Gentamicin on glomerular development in a neonatal animal model (SING II study).
Total Funding: $90,000

The Canberra Hospital Private Practice Fund (TCHPPF) Major Grants 2008 (for 2009/2010)

Chief Investigators: Dr M Cook
Departments: Dept of Immunology, TCH, Immunology Research, TCH, John Curtin School of Medical Research, ANU
Project: Investigation of phenotype and genotype of primary immune deficiency disease
Total Funding: $74,000

Chief Investigators: Prof P Gatenby, A/Prof PN Smith, A/Prof RW Li, Dr C Freeman, Dr J Scarvell
Departments: Trauma & Orthopaedic Research Unit, TCH
Project: Heparanase may be a potential biomarker of disease activity in Rheumatoid Arthritis
Total Funding: $50,000

Chief Investigator: A/Prof C Lueck
Departments: Trauma & Orthopaedic Research Unit, TCH
Project: Correlation of eye movements with peripheral neuromuscular parameters in health and disease
Total Funding: $65,844

Chief Investigators: Dr HS Warren, Dr D Talaulikar
Departments: Cancer Research Unit, TCH, Dept of Haematology, TCH
Project: Natural Killer (NK) cells and monoclonal antibody therapy in B cell Non Hodgkin lymphoma patients
Total Funding: $118,076