



Discipline of Paediatrics ILP / Honours Information *For students commencing in 2016*

Never Stand Still

Medicine

Women's & Children's Health



UNSW Paediatrics



@UNSW_Paeds



wch.med.unsw.edu.au/ilphonours-paediatrics

School of Women's & Children's Health
UNSW MEDICINE

LEVEL 3, EMERGENCY WING,
SYDNEY CHILDREN'S HOSPITAL
HIGH STREET, RANDWICK NSW 2031 AUSTRALIA

T: +61 (2) 9382 1799

F: +61 (2) 9382 1401

E: s.mcfedries@unsw.edu.au

W: <http://wch.med.unsw.edu.au>

UNSW ABN 57 195 873 179 | CRICOS Provider Code 00098G

CONTENTS

Information Evening	3
Tips for Contacting Supervisors	4
Scholarships	4
ILP Awards	5
Margaret Dance Honours Prize	5
Supervisor Profiles	6
Cancer	6
Community Child Health	14
Emergency	18
Endocrinology	20
Gastroenterology	24
Liverpool Hospital	30
Fairfield Hospital	30
Infectious Diseases	33
Neonatology	35
Nephrology	38
Neurology Neuroscience	42
Pain Medicine	46
Psychological Care	50
Rheumatology	52
Other Supervisors	54

INFORMATION EVENING

A number of Supervisors profiled in this document also presented at the recent Discipline of Paediatrics ILP / Honours Information Evening. The Information Evening was held in the John Beveridge Lecture Theatre at Sydney Children's Hospital on Wednesday 1st April, below is the programme of speakers for your reference.

You can also access slides from the evening on our website: <https://wch.med.unsw.edu.au/ilphonours-paediatrics>

WELCOME
Dr Sean Kennedy Director of Education & Senior Lecturer Discipline of Paediatrics, School of Women's & Children's Health, UNSW Medicine
NEUROLOGY / NEUROSCIENCE
Developmental Neuroscience Dr Meredith Ward (Also representing: Prof Anne Cunningham)
PAIN MEDICINE
Conjoint A/Prof David Champion (Also representing: Dr Tiina Jaaniste; Dr Tamara Lang; Dr Jordan Wood)
CANCER
Behavioural Sciences Dr Ursula Sansom-Daly (Also representing: Conjoint A/Prof Richard Cohn; Dr Claire Wakefield; Dr Jordana McLoone; Dr Joanna Fardell; Ms Jennifer Cohen)
Children's Cancer Institute Dr Maria Tsoli (Also representing: Dr David Ziegler)
NEONATOLOGY
A/Prof Kei Lui (Dr John Feller; Dr John Smyth; Dr Tim Schindler)
GASTROENTEROLOGY
Dr Usha Krishnan
RHEUMATOLOGY
Dr Davinder Singh-Grewal
DERMATOLOGY / SURGERY
Conjoint A/Prof Orli Wargon (Also representing: Dr Susan Adams)
IMMUNOLOGY / INFECTIOUS DISEASES
Dr Brendan McMullen (Also representing: Dr Pamela Palasanthiran)
PSYCHOLOGICAL CARE
Heart Centre for Children Dr Nadine Kasparian
LIVERPOOL HOSPITAL
Dr Robert Guaran
FAIRFIELD HOSPITAL
Dr Nicholas Cheng (Also representing: Dr Laurence McCleary)

TIPS FOR CONTACTING SUPERVISORS

1. When contacting supervisors, make sure you get their name and title correct!
Avoid copy & paste mistakes in emails.
2. Do your research!
Visit the UNSW Research Gateway and view supervisors profiles and latest publications. Use Google!
3. Demonstrate to supervisors that you have done your research
i.e. "I'm really interested in your work on ... and read your latest paper researching... This is of interest to me because..."
4. Approach the Supervisor with an idea!
It doesn't need to be complete or detailed, or even the final project you ended up researching.
5. Be courteous and advise supervisors if you have decided to go with a different project and supervisor.
This is most important because it allows supervisors to make themselves available to other students as well as respects the time they have given to you.

SCHOLARSHIPS

More information on the scholarships listed below can be found on the UNSW website:

<http://scholarships.online.unsw.edu.au>

ILP

- **Balnaves Foundation Indigenous Medical ILP Award**
For ILP's relevant to Indigenous health.
Value: \$2,500
- **Dr Peter Campbell Perinatology ILP Award**
For ILP's relevant to Perinatology.
Value: \$6,000
- **Lorrie Fay Memorial Kidsafe Scholarship**
For Honours thesis project or an ILP relevant to child safety issues from an accidental injury perspective
Value: \$4,800
- **Higher Thinking UNSW Brain Cancer Research Fund**
For ILP's researching the mechanisms of why brain tumours progress from low grade to deadly grade brain tumours.
Value: \$2,500
- **The Bronwyn Jones Radiology Exchange Program Award**
ILP or BSc (Med) Honours(*) in the field of Radiology. The successful recipient will undertake a 4 week exchange to continue studies in Radiology at Johns Hopkins Medicine, located at the Johns Hopkins University in Baltimore Maryland, USA.
\$5,000
- **Adele and Gildo Pegoraro Award**
Honours or ILP in the field of Paediatrics.
\$2,000

HONOURS

- **Lorrie Fay Memorial Kidsafe Scholarship**
For Honours thesis project or an ILP relevant to child safety issues from an accidental injury perspective
Value: \$4,800
- **The Bronwyn Jones Radiology Exchange Program Award**
ILP or BSc (Med) Honours(*) in the field of Radiology. The successful recipient will undertake a 4 week exchange to continue studies in Radiology at Johns Hopkins Medicine, located at the Johns Hopkins University in Baltimore Maryland, USA.
\$5,000
- **Rose Ling Lang Award in Medicine**
For students undertaking Honours to undertake study or attend a conference related to his/her Honours work at an overseas university.
Value: \$2,000
- **Hazel Morris Award in Medicine**
For students undertaking Honours.
Value: \$1,000
- **Mary Edna Quinn Scholarship**
For students undertaking Honours.
Value: \$4,000
- **David Walsh Memorial Scholarship**
For students undertaking Honours projects in developmental biology, genetics or biochemistry, and their relationship to birth defects.
Value: \$1,400

ILP AWARDS

The Discipline of Paediatrics ILP Awards are scheduled to be held on 18th November, 2015.

More information will be available on [our website](#) in late August 2015.

Students are asked to submit the abstract of their project, which is then judged, and four finalists are selected.

These four finalists present their work at a special Grand Rounds held at Sydney Children's Hospital during UNSW Paediatric Research Week.

Two prizes are awarded - Overall Winner (decided by a panel of judges) and People's Choice (decided by the audience).

All UNSW Medicine students who are completing their ILP in the current year in the field of paediatrics are invited to enter the awards.

MARGARET DANCE HONOURS PRIZE

The Margaret Dance Honours Prize is awarded annually to the highest ranked Honours project in the Discipline of Paediatrics.

The award is presented retrospectively i.e. the 2016 winner will receive the award in 2017.

The winner will also be asked to present their Honours research during UNSW Paediatric Research Week of the awarding year.

CANCER



BEHAVIOURAL SCIENCES UNIT, KIDS CANCER CENTRE

SUPERVISORS:

- Dr Claire Wakefield
- A/Prof Richard Cohn
- Dr Jordana McLoone
- Dr Ursula Sansom-Daly
- Dr Joanna Fardell
- Ms Jennifer Cohen

LOCATION OF PROJECTS:

- Sydney Children's Hospital
- The Children's Hospital at Westmead
- Lowy Building, UNSW Kensington Campus

PROJECTS AVAILABLE 2016:

All psycho-social/behavioural aspects of paediatric/adolescent cancer, from diagnosis to survivorship and bereavement.

Examples :

- Psychosocial impact of hereditary cancer and cancer genetics in paediatrics
- Impact of cancer on educational outcomes for children
- Providing decision support for parents considering enteral nutrition for their children
- Assessing health literacy in adolescents with cancer, and links with treatment engagement and distress
- Examining the relationships between neurocognitive, social cognitive skills and peer relations after paediatric, adolescent and young adult cancer
- Investigating the relationship between long term survivors and their GP
- Parent use of social media.

TARGETED THERAPIES RESEARCH PROGRAM, CHILDREN'S CANCER INSTITUTE

SUPERVISORS:

- Dr David Ziegler
- Dr Maria Tsoli

LOCATION OF PROJECTS:

- Children's Cancer Institute, Lowy Building, UNSW Kensington Campus

PROJECTS AVAILABLE 2016:

DIPG is the most aggressive and incurable cancer to affect children. It is a brain cancer that arises in the centre of the brainstem thus surgical resection is not a feasible option. We have initiated a national brain tumour donation program and have cultured the first DIPG cells ever grown in the laboratory and have begun to identify novel treatment strategies.

We are currently investigating:

- Novel therapies based on high-throughput screening.
- Anticancer potential & mechanism of action of novel mitochondrial & metabolic inhibitors.
- Anticancer potential & mechanism of action of anti-malarial drugs.
- Anticancer potential & mechanism of action of retinoid drugs.
- Establishment of in vivo models & efficacy studies of new therapeutics.

MOLECULAR CARCINOGENESIS RESEARCH PROGRAM

SUPERVISORS:

- Dr Patrick Kim
- Dr Belamy Cheung
- Dr Daniel Carter
- Prof. Glenn Marshall

LOCATION OF PROJECTS:

- Children's Cancer Institute, Lowy Building, UNSW Kensington Campus

PROJECTS AVAILABLE 2016:

- Study the role of MYC protein domains and MYC-nick protein in neuroblastoma tumour initiation and progression
- Inhibition of histone deacetylase (HDAC) activity in Myc-driven cancer.
- Prevention of child cancer by reactivating the death response in embryonal precancer cells.

DR CLAIRE WAKEFIELD
 c.wakefield@unsw.edu.au
 Sydney Children's Hospital

Dr Claire Wakefield is a Senior Lecturer in the Discipline of Paediatrics, School of Women's & Children's Health, UNSW Medicine and leads one of Australia's largest psycho-oncology research groups - The Behavioural Sciences Unit, part of the Kids Cancer Centre at Sydney Children's Hospital.

Dr Wakefield is a Cancer Institute of NSW Career Development Fellow and was recently awarded a Career Development Fellowship from the National Health and Medical Research Council (NHMRC).

Dr Wakefield's research interests surround improving mental health and quality of life in families affected by paediatric and adolescent cancer, using:

- Cost-effective interventions
- Novel technologies
- Discovery research to identify at-risk and under-serviced groups
- Translational work to affect change in clinical practice

Dr Wakefield has published, or had accepted, 60 journal articles and is named as Chief Investigator on competitive research grants totalling more than \$9 million.

View [Dr. Wakefield's Research Gateway Profile.](#)

PAST ILP / HONS PROJECTS

2015

- Development and pilot testing of a new decision aid to assist parents considering enteral nutrition for their child.
- Australian childhood cancer survivors' understanding and beliefs about genetics and cancer.
- Investigating health literacy among adolescents and young adults (AYAs) with cancer.

2014

- 'CAT NaP' (Carers AT Night in Paediatric oncology): Trialling a ward-based sleep intervention for parents of children with cancer.
- Developing a national survivorship care plan for survivors of childhood cancer.
- Australian childhood cancer survivors' understanding of their risk of developing late effects.

2013

- Meeting the information needs of grandparents of children with cancer.
- Australian childhood cancer survivors' understanding of skin cancer risk; their beliefs, behaviours and barriers to sun protection.
- 'Eight diagnoses later, they finally got it right': Parental memories of the diagnosis of cancer in their child.

2012

- 'CAT NaP' (Carers AT Night in Paediatric oncology): A randomised controlled trial of a ward-based sleep intervention for parents of children with cancer.

2010

- 'Kicked out of the nest?' A qualitative investigation of the psychological impact on parents when a young child completes cancer treatment.

PUBLICATIONS RESULTING FROM ILP/HONS PROJECTS

1. Evans, N.T., Wakefield, C.E., McLoone, J.K., Cohn, R.J. (2015). Familial diagnostic experiences in paediatric oncology. *British Journal of Cancer*. 112, 20–23.
2. Wakefield, C.E., McLoone, J.K., Evans, N.T., Ellis, S.J., Cohn, R. J. It's more than dollars and cents:

RESEARCH KEYWORDS

Paediatrics
 Cancer Therapy (excl. Chemotherapy & Radiation Therapy)
 Health, Clinical & Counselling Psychology
 Carer Health
 Mental Health
 Patient Education
 Cancer Genetics
 Survivorship

The impact of childhood cancer on parents' occupational and financial health. Accepted by Journal of Psychosocial Oncology, 28th April 2014. WJPO-14-0027.

3. Cheung, L.L.T., Wakefield, C.E., Ellis, S.J., Mandalis, A., Frow E., Cohn, R.J. (2014) Neuropsychology reports for childhood brain tumour survivors: implementation of recommendations at home and school. *Pediatric Blood and Cancer*, 61(6):1080-1087.
4. Ellis, S.J., Drew, D., Wakefield, C.E., Saikal, S.L., Punch, D., Cohn, R.J. (2013). Results of a nurse-led intervention: Connecting pediatric cancer patients from the hospital to the school using video-conferencing technologies. *Journal of Pediatric Oncology Nursing*, 30(6):333-341.
5. Bui, T., Wakefield, C.E., Kasparian, N.A., Tyler, J., Abbott, J., Tucker, K. (2013). Knowledge and beliefs about the risks and benefits of oral contraceptives in women at increased risk of breast/ovarian cancer. *PsychoOncology*, 22(1):228-32.
6. McLoone, J.K., Wakefield, C.E., Yoong, S.L., Cohn, R.J. Parental Sleep Experiences on the Pediatric Oncology Ward. *Supportive Care in Cancer*, 2013; 21: 557-564. DOI: 10.1007/s00520-012-1547-z.
7. Daniel, G., Wakefield, CE., Ryan, B., Fleming, C.A.K., Levett, N., Cohn, R.J. (2012). Accommodation in pediatric oncology: Parental experiences, preferences and unmet needs. *Rural and Remote Health*, 13:2005-2014
8. Wakefield, C.E., Butow, P., Fleming, C.A.K., Daniel, G., Cohn, R.J. (2011). Family information needs at childhood cancer treatment completion. *Pediatric Blood and Cancer*. 58: 621-626.
9. Wakefield, C.E., Ratnayake, P., Meiser, B., Price, M., Koehler, J., Suthers, G., KConFab, Tucker, K. (2011). 'For all my family's sake, I should go and find out': An Australian report on genetic counseling and testing uptake in individuals at high risk of breast and/or ovarian cancer. *Genetic Testing and Molecular Biomarkers*, 15(6): 379- 385.
10. Philipson, S., Wakefield, C.E., Kasparian, N.A. (2011). Women's knowledge, beliefs and information needs in relation to the risks and benefits associated with use of the oral contraceptive pill. *Journal of Women's Health*, 20(4): 635-642.
11. Ratnayake, P., Wakefield, C.E., Meiser, B., Price, M., Koehler, J., Suthers, G., Tucker, K., KConFab. (2011). An exploration of communication preferences regarding genetic testing in individuals from families with identified breast/ovarian cancer mutations. *Familial Cancer*, 10: 97-105.
12. Wakefield, C.E., Juan, A.S., Kasparian, N. A. (2009). Men at increased risk of developing breast cancer: Language preferences for naming a cancer-related mutation. *Genetic Testing and Molecular Biomarkers*, 13 (3):395-398.
13. Juan, A.S., Wakefield, C.E., Kasparian, N. A., Kirk, J., Tyler, J., Tucker, K. (2008). Development and pilot testing of a decision aid for men considering genetic testing for breast and/or ovarian cancer-related mutations (BRCA1/2)

DR URSULA SANSOM-DALYursula@unsw.edu.au

Sydney Children's Hospital

Dr Ursula Sansom-Daly is a Post-Doctoral Research Fellow in the Discipline of Paediatrics, School of Women's & Children's Health, UNSW Medicine and (acting) deputy leader of Australia's largest psycho-oncology research groups - The Behavioural Sciences Unit, part of the Kids Cancer Centre at Sydney Children's Hospital.

Dr Sansom-Daly is a Cancer Institute of NSW Early Career Fellow, and is also the part-time clinical psychologist for the Sydney Youth Cancer Service, the peak service for the clinical care of adolescents and young adults with cancer (co-located across Sydney Children's and Prince of Wales Hospital). Her dual research and clinical roles mean that she focuses on clinically-important, age-appropriate, and feasible studies that can result in rapid improvements to clinical practice for adolescents and young adults with cancer.

Dr Sansom-Daly's research interests surround improving mental health and quality of life in AYAs with cancer and their families, using:

- Cost-effective interventions
- Novel technologies
- Discovery research to identify at-risk and underserved groups
- Translational work to affect change in clinical practice

Dr Sansom-Daly has published, or had accepted, 16 journal articles and is named as Chief Investigator on competitive research grants totalling more than \$1.3M.

PAST ILP / HONS PROJECTS

2015

- Investigating health literacy among adolescents and young adults (AYAs) with cancer.

DR JOANNA FARDELLj.fardell@unsw.edu.au

Sydney Children's Hospital

Dr Joanna Fardell is a Post-doctoral researcher with The Behavioural Sciences Unit, part of the Kids Cancer Centre at Sydney Children's Hospital. Dr Fardell was recently awarded the ICCTF Best Early Career Cognition and Cancer Researcher.

Dr Fardell's research interests include improving survivorship and cognitive outcomes in patients affected by paediatric and adolescent cancer, with a particular focus on:

- Impact of social cognitive outcomes on peer relations
- Fear of cancer recurrence in survivors and parents of survivors
- Impact of cognitive difficulties on school engagement

MS JENNIFER COHENJennifer.cohen@sesiahs.health.nsw.gov.au

Sydney Children's Hospital

Ms Jennifer Cohen is a clinical dietitian and researcher at the Kids Cancer Centre, Sydney Children's hospital. She is the nutrition team leader for the Behavioural Sciences Unit. Jennifer is currently supervising a PhD student and Honours student. She has previously supervised an ILP student and multiple Dietitian, honours and masters students.

Ms Cohen's research interests include:

- Maximizing nutritional supplementation in paediatric cancer patients
- The dietary habits and intake of cancer survivors
- The changing dietary habits of childhood cancer patients throughout the cancer journey
- Implementation of programs to improve the dietary habits of child cancer survivors

PUBLICATIONS RESULTING FROM ILP/HONS PROJECTS

1. Cohen J, Laing DG, Wilkes FJ, Chan A, Gabriel M, Cohen RJ. Taste and smell dysfunction in childhood cancer survivors. *Appetite*. 2014 Apr;75:135-40

DR DAVID ZIEGLERdziegler@ccia.unsw.edu.au

Sydney Children's Hospital | Children's Cancer Institute

RESEARCH KEYWORDS

Paediatrics

Cancer

Clinical Research

Haematology

Targeted therapies

Pharmacology of anticancer agents

Apoptosis

Anticancer Drug Development

Brain tumours

Dr David Ziegler is a paediatric oncologist, haematologist and bone marrow transplant physician; and Conjoint Senior Lecturer with the Discipline of Paediatrics, School of Women's & Children's Health, UNSW Medicine.

Dr Ziegler has active research programs in both preclinical and clinical areas.

Dr Ziegler leads the Targeted Therapies Research Program at Children's Cancer Institute. His key research interest is in the development of novel targeted therapeutics that can be translated from the laboratory to the bedside to benefit children with cancer. Dr Ziegler established an early phase clinical trials unit at Sydney Children's Hospital to facilitate the translation of laboratory findings to the clinic.

He has worked extensively on identifying agents that activate the apoptotic pathway in malignant gliomas and medulloblastoma. He has also established a novel research program into the most malignant of all paediatric tumours – the Diffuse Intrinsic Pontine Glioma. He has established a national tumour bank for these brain tumours, and a state-of-the-art program to use robotic high-throughput screening technology to discover new treatment strategies for this devastating disease.

Dr Ziegler also has an interest in the genetic causes of childhood leukaemia, and utilising Next Generation Sequencing to identify oncogenic mutations that promote leukaemiogenesis.

Dr Ziegler's clinical research focuses on the translation of preclinical discoveries from the laboratory to the clinic. He is head of the Clinical Trials Program at the Kids Cancer Centre and has established an early phase clinical trial program to offer new treatments for children with relapsed or refractory disease. He is chair of a national study for children with relapsed neuroblastoma, and is developing further trials in neuroblastoma, leukaemia, and childhood brain tumours.

View [Dr David Ziegler's Research Gateway Profile](#).

PAST ILP / HONS PROJECTS

2015

- Do preterm infants have an increased risk of cancer?

2013

- Development of novel therapeutics for Diffuse Intrinsic Pontine Gliomas.

2011

- Prognostic indicators in Diffuse Intrinsic Pontine Gliomas.

DR MARIA TSOLImtsoli@ccia.unsw.edu.au

Children's Cancer Institute

Dr Maria Tsoli is a Research Officer at Children's Cancer Institute and Conjoint Associate Lecturer with the Discipline of Paediatrics, School of Women's & Children's Health, UNSW Medicine.

Dr Tsoli has a strong interest in cross disciplinary research and specifically in the fields of tumor biology, metabolic diseases, drug metabolism and drug screening.

View [Dr. Maria Tsoli's UNSW Medicine Profile](#).

DR BELAMY CHEUNG
bcheung@ccia.unsw.edu.au
 Children's Cancer Institute

Dr Belamy Cheung is a Project Leader and Manager at the Molecular Carcinogenesis (MC) Program, Children's Cancer Institute and a Conjoint Senior Lecturer with the Discipline of Paediatrics, School of Women's & Children's Health, UNSW Medicine.

Dr Cheung plays a key role in directing research in the MC program and driving research in all 3 themes: the mechanisms of embryonal cancer initiation, the retinoid anticancer signal, and, histone deacetylase inhibitor therapy in cancer.

Dr Cheung has published 31 original or review articles in journals in total and 84 conference publications at national and international meetings, with 16 articles in the last 5 years including 8 first author or senior author publications, such as Nature Reviews Cancer, Oncogene, Cancer Research, Journal of Pathology and Journal of the National Cancer Institute.

Dr Cheung is highly competent in supervision of both high degree students and junior researchers. After she completed her PhD in 2004, she has supervised a total of 8 PhD students and 10 Honours students. Five of her students were awarded a PhD degree since 2009 and 8 of her Honours students have been awarded 1st class Honours since 2011. One of her students was awarded the Dean's Award from the Faculty of Medicine, UNSW. One of her PhD student was awarded Children's Cancer Institute's PhD Excellence Award.

In addition, Dr Cheung is currently mentoring and supervising 3 Postdoctoral researchers and 2 research assistants in the MC research program.

View [Dr Belamy Cheung's Research Gateway Profile](#).

PAST ILP / HONS PROJECTS

2015

- Identification of a novel compound that synergistically inhibiting cell growth with BRAF inhibitor in melanoma cells.

RESEARCH KEYWORDS:

Paediatrics
 Cancer
 Molecular Biology
 Cellular Biology
 Molecular Targets
 Identification
 Proteomics
 High-Throughput Drug
 Screening

COMMUNITY CHILD HEALTH

LIVERPOOL, CROYDON, & CAMPERDOWN

SUPERVISORS:

- Conjoint A/Prof John Eastwood
- Associate Professor Catherine O'Connor
- Dr Natalie Ong
- Dr Terence Yoong
- Dr Kate Alexander
- Dr Alexandra Hendry
- Dr Jacky Pollack

LOCATION OF PROJECTS:

- Ingham Institute, Liverpool Hospital
- Croydon Community Health Centre, Croydon
- Royal Prince Alfred Hospital, Camperdown

PROJECTS AVAILABLE 2016:

Examples :

- Child Abuse Prevention
- Youth Health
- Conduct Disorder Prevention
- Social Media and Family Health
- Well Child Care in General Practice
- Family Violence
- Injury from Falls (or other topic)
- Community-based early intervention
- Macro National Population Indicators
- Aboriginal Child Health
- Spatial Epidemiology
- Multilevel Epidemiology Studies
- New and existing Longitudinal Studies
- School Health
- Health Pathways
- Perinatal Case Conferencing
- Sexual Health

SYDNEY CHILDREN'S HOSPITAL

SUPERVISORS:

- Conjoint A/Prof Karen Zwi
- Dr Susan Woolfenden

LOCATION OF PROJECTS:

- Sydney Children's Hospital

PROJECTS AVAILABLE 2016:

Examples :

- Aboriginal Health
- Child Development
- Prioritising Vulnerable Children and measuring Inequalities in Child Health
- Refugee Health
- Child Injury

CONJOINT A/PROF JOHN EASTWOODjohn.eastwood@sswahs.nsw.gov.au

Liverpool Hospital

RESEARCH KEYWORDS

Paediatrics
 Community Child Health
 Public Health
 Health Policy
 Nutrition
 Health Promotion
 Socio-Economic
 Disadvantage & Health
 Disparity
 Screening & Immunisation
 Social Epidemiology of
 Perinatal Depression

Dr John Eastwood is a Conjoint Associate Professor with the Discipline of Paediatrics, School of Women's & Children's Health, UNSW Medicine.

A/Prof Eastwood is also Area Director Community Paediatrics for the Sydney South West Area Health Service (SSWAHS) and is based at Liverpool Hospital.

A/Prof Eastwood is also leader of the Early Years Research Group at Liverpool Hospital (*more details on the following page*).

For the last 20 years he has worked as a Senior Health Executive, Public Health Physician, Development Advisor, and Population Child Health Specialist.

As Principal Public Health Advisor to the New Zealand Ministry of Health and Director of Public Health Programmes for the New Zealand Public Health Commission, A/Prof Eastwood provided national level policy advice on public health matters including: general practice and primary care, maternity services, health system reform, legislative reform, nutrition and food administration, health promotion, injury prevention, cancer control, crime prevention, screening and immunisation.

A/Prof Eastwood has represented New Zealand at the World Health Assembly and provided technical advice to the WHO on health promotion and child health and development. His international development work has included primary healthcare, reproductive health, health system institutional strengthening, and maternal, child and youth programme delivery in China and the Pacific.

A/Prof Eastwood's medical training was at the University of Auckland and he has postgraduate diplomas of community health and child health from the University of Otago and Masters of Public Health and Health Management from the University of New South Wales. A/Prof Eastwood is a Fellow of the Royal Australasian College of Physicians, Fellow of the Australasian Faculty of Public Health Medicine, and Foundation Fellow of the New Zealand College of Public Health Medicine.

CONJOINT A/PROF KAREN ZWIkaren.zwi@health.nsw.gov.au

Sydney Children's Hospital

RESEARCH KEYWORDS

Paediatrics

Community Child Health

Health Services Research

Indigenous Health

Refugee Health

Child Protection

Population Health

Childhood Disability

Child Abuse

Dr Karen Zwi is a Conjoint Associate Professor with the School of Women's & Children's Health and Community Paediatrician, Department of Community Child Health, Sydney Children's Hospital.

A/Prof Zwi is also Clinical Director of the Community, Ambulatory, Rehabilitation, Population and Allied Health (CARPA) Directorate for Sydney Children's Hospital Network at the Randwick Campus.

A/Prof Zwi's research interests lie in Indigenous and refugee health, early child development, injury prevention and addressing the health disparity of these populations.

A/Prof Zwi works closely with NSW Refugee Health Services and is the Sydney Children's Hospital Network representative on the Refugee Health Plan Implementation Group.

Karen represents the Royal Australasian College of Physicians (RACP) on refugee and asylum seekers health care in various forums, is leading the development of refugee health policy for RACP and has undertaken many advocacy initiatives in relation to children and unaccompanied minors in detention.

Research Interests:

- Determinants of wellbeing in childhood
- Inequity in childhood disease and injury rates
- Targeting needs of refugee and Aboriginal children
- Early childhood intervention programs

View [Conjoint A/Prof Karen Zwi's Research Gateway Profile](#).

PAST ILP / HONS PROJECTS

2012

- Evaluating the relationship between empowerment of young Aboriginal parents and their involvement in the Ngala Nanga Mai Young PAREnT Program.
- Use of the Parents Evaluation of Development Scales in urban Aboriginal families.

PUBLICATIONS RESULTING FROM ILP/HONS PROJECTS

1. Jersky M, Osborne P, Callaghan L, Haswell-Elkins M, Fitzpatrick S and Zwi K. Giving Shape to Experience in an Urban Aboriginal Community: the Ngala Nanga Mai (We Dream) pAREnT Group Program. UNESCO Observatory e-journal 2013;3(3). ISSN 1835 – 2776.
2. Duncan C, Williams K, Nathanson D, Thomas S, Cottier C, O'Meara M, Zwi K. Emergency Department presentations by Aboriginal Children: Issues for consideration for appropriate health services. Journal of Paediatrics and Child Health 2013 DOI 10.1111/jpc.12225.
3. Osborne P, Freeman N, Titmuss A, Haswell-Elkins M, Jersky M, Callaghan L, Fitzpatrick S, Zwi K. Improving health service access and the well-being of young Aboriginal parents in an urban setting: the efficacy of an art- based program.
4. Couch, M, Woolfenden S, Zwi, K. Parent's Evaluation of Developmental Status in Urban Aboriginal Families. International Congress of Paediatrics, August 2013. Melbourne, Australia. (Poster).

DR SUSAN WOOLFENDENsusan.woolfenden@sesiahs.health.nsw.gov.au

Sydney Children's Hospital

RESEARCH KEYWORDS:

Paediatrics
 Community Child Health
 Autism Spectrum Disorder
 Health Services Research
 Indigenous Health
 Refugee Health
 Child Protection
 Population Health
 Childhood Disability

Dr Sue Woolfenden is a Conjoint Senior Lecturer with the Discipline of Paediatrics, School of Women's & Children's Health.

Dr Woolfenden holds a position on the steering committee of the NHMRC-funded Study of Environment on Aboriginal Resilience and Child Health (SEARCH) and is also a named investigator on a number of other grants within this project. She is also an investigator on the NHMRC Partnership grant titled "Watch me Grow." The aim of this study is to enhance universal developmental surveillance.

Dr Woolfenden is also heavily involved in adding to the evidence base in aboriginal child health, as well as contributing to international community child health through her relationship with Fiji. In collaboration with the Department of Paediatrics at the Colonial War Memorial Hospital in Suva, and the Royal Children's Hospital Melbourne's International Child Health Team, Sue provides international service delivery with bi-annual developmental clinics, research and training in Fiji.

Dr Woolfenden is also a co-convenor of the Cochrane Prognosis Methods Group, an entity of the International Cochrane Collaboration which is a key body for evidence-based medicine.

PAST ILP / HONS PROJECTS

2013

- Complementary Alternate Medicine (CAM) for Autism Spectrum Disorders (ASD).

2012

- Use of the Parents Evaluation of Development Scales in urban Aboriginal families.
- Complementary Alternate Medicine (CAM) for Autism Spectrum Disorders (ASD).

2010

- A systematic review of the diagnostic tools used for diagnosing Autism Spectrum Disorders (ASD).
- Parent's attitude to complementary and alternate medicine in autism.
- Empathising and Systematising Quotient for Parents of Children with Autism or Other Developmental Problems.

PUBLICATIONS RESULTING FROM ILP/HONS PROJECTS

1. Couch, M, Woolfenden S, Zwi, K. Parent's Evaluation of Developmental Status in Urban Aboriginal Families. International Congress of Paediatrics, August 2013. Melbourne, Australia. (Poster)

EMERGENCY

FAIRFIELD HOSPITAL

SUPERVISORS:

- Dr Nicholas Cheng

LOCATION OF PROJECTS:

- Fairfield Hospital
- The Children's Hospital at Westmead

DR NICHOLAS CHENG

nicholas.cheng@sswahs.nsw.gov.au | nicholas.cheng@health.nsw.gov.au
Fairfield Hospital | The Children's Hospital at Westmead

RESEARCH KEYWORDS

Paediatrics
Paediatric Emergency
Medicine
Paediatric Ambulatory Care
Paediatric Acute Care
Shock
Burns
Medical Education (Including
Continuing Professional
Development)

Dr Nicholas Cheng is a Conjoint Senior Lecturer with the Discipline of Paediatrics, School of Women's & Children's Health, UNSW Medicine. He is the Secretary of PREDICT, a collaborative of Paediatric Emergency Researchers that includes all of the paediatric hospitals throughout Australia and New Zealand. PREDICT was recently awarded a multi-million dollar NHMRC Centre of Research Excellence grant.

Clinically, Dr Cheng is a Paediatric Ambulatory Physician at Fairfield Hospital and a Paediatric Emergency Physician at the Children's Hospital at Westmead. He is a keen teacher in both research and clinical settings. Fairfield Paediatrics has multiple awards from the UNSW for clinical placements and teaching.

Dr Cheng is also a past chair and current vice-chair of KidSafe NSW. He has a keen interest in child safety and accident prevention.

PAST ILP / HONS PROJECTS:

2013

- Pain Capillary Refill Time Modification in Neonates – the PACMaN Study
- Sonic Youths: Popular Music Lyrics and Video Content of Adolescents

ENDOCRINOLOGY

PRINCE OF WALES | THE CHILDREN'S HOSPITAL AT WESTMEAD

SUPERVISORS:

- Prof Maria Craig
- Prof Bill Rawlinson
- Prof Kim Donaghue

LOCATION OF PROJECTS:

- The Children's Hospital at Westmead
- Virology Laboratory, Prince of Wales Hospital

RESEARCH KEYWORDS

Paediatrics
 Endocrinology
 Virology
 Epidemiology
 Type 1 Diabetes
 Diabetes Complications

PROF MARIA CRAIG

m.craig@unsw.edu.au

Prince of Wales Hospital | The Children's Hospital at Westmead

Dr Maria Craig is a Conjoint Associate Professor with the School of Women's & Children's Health.

A/Prof Craig's major research interest is childhood diabetes, including the association between enteroviruses and type 1 diabetes (in collaboration with the Virology Research Group at POWH, headed by Professor Bill Rawlinson) and the epidemiology of childhood diabetes (type 1, type 2, Cystic Fibrosis related diabetes and monogenic diabetes).

A/Prof Craig is also actively involved in research into diabetes complications (in collaboration with Prof Kim Donaghue at the Children's Hospital at Westmead), vitamin D deficiency and growth disorders (including Prader Willi Syndrome).

View [Prof Maria Craig's Research Gateway Profile](#).

PAST ILP/HONS PROJECTS

2015

- Host response to enterovirus infection in children with islet autoimmunity and type 1 diabetes.
- Inflammation and enterovirus infection at the onset of type 1 diabetes
- Next generation sequencing of enteroviruses
- Perinatal factors, enterovirus infection and risk of islet autoimmunity - a longitudinal cohort study
- Risk factors for diabetic nephropathy in young people with type 1 diabetes: a longitudinal cohort study

2014

- Sensory neuropathy in young people with type 1 diabetes.
- Role of glycaemic variability and endogenous insulin secretion on complications risk in young people with type 1 diabetes.

2013

- The role of parental overweight, birth weight and risk of islet autoimmunity and type 1 diabetes.

2012

- National evidence-based clinical care guidelines for type 1 diabetes.
- Longitudinal analysis of thyroid dysfunction and association with early markers of cardiovascular disease in young people with type 1 diabetes.
- Adiposity and childhood cancer.
- Autonomic neuropathy and microvascular complications in young people with type 1 diabetes.

2010

- Prevalence of Diabetes Complications in adolescents - a cohort study.
- Relationship between obesity and Diabetes Complications.
- Enterovirus infection of pancreatic beta cells.
- Enterovirus infection as a trigger for autoimmunity and type 1 diabetes.

PUBLICATIONS RESULTING FROM ILP/HONS PROJECTS

1. Tran F, Stone M, Huang C, Lloyd M, Woodhead HJ, Elliot KD, Crock PA, Howard NH, Craig ME. Population based incidence of diabetes in Australian youth aged 10-18 years: increase in type 1 diabetes but not type 2 diabetes. *Pediatric Diabetes* doi: 10.1111/pedi.12131
2. Islam S, Srinivasan S, Craig ME. Environmental determinants of type 1 diabetes – a role for overweight and insulin resistance. *Journal of Paediatrics and Child Health* (in press)
3. Shun C, Phelan H, Donaghue KC, Twigg SM, Craig ME. Thyroid autoimmunity in type 1 diabetes - systematic review and meta-analysis. *Diabetic Medicine*, 31(2):126-35, 2014. doi: 10.1111/dme.12318.
4. Islam S, Abraham A, Donaghue KC, Chan AK, Lloyd M, Srinivasan S, Craig ME. Plateau of adiposity in Australian children diagnosed with type 1 diabetes: a 20 year study. *Diabetic Medicine*, Feb 3 2014. doi: 10.1111/dme.12402.

5. Basha J, Iwasenko J, Robertson P, Craig ME, Rawlinson WD. Congenital cytomegalovirus (CMV) infection is associated with high maternal socioeconomic status and corresponding low maternal CMV seropositivity. *Journal of Paediatrics and Child Health* Mar 5, 2014. doi: 10.1111/jpc.12502]
6. Han MX, Craig ME. Research using autologous cord blood - time for a policy change. *Medical Journal of Australia*, 199:288-90, 2013
7. Poon M, Craig ME, Kaur H, Cusumano J, Sasongo MB, Wong T, Donaghue KC. Vitamin D Deficiency Is Not Associated with Changes in Retinal Geometric Parameters in Young People with Type 1 Diabetes. *Journal of Diabetes Research* Jul 7, 2013. doi: 10.1155/2013/280691
8. Tang M, Donaghue KC, Cho YH, Craig ME: Autonomic neuropathy in young people with type 1 diabetes: a systematic review. *Pediatric Diabetes*, 14:249-38, 2013
9. Craig ME, Nair S, Stein H, Rawlinson WD. Viruses and Diabetes: a new look at an old story (Invited review). *Pediatric Diabetes*, 14, 149-58, 2013
10. Klocker A, Phelan H, Twigg SW, Craig ME. Blood β -hydroxybutyrate versus urine acetoacetate testing for the prevention and management of diabetic ketoacidosis in people with type 1 diabetes: a systematic review. *Diabetic Medicine* Jul;30(7):818-24, 2013. doi: 10.1111/dme.12136.
11. Craig ME, Tran F. Type 2 diabetes in children and adolescents. *Conquest Diabetes Australia*, Winter 2013
12. Rana M, Munns CF, Selvadurai H, Briody J, Craig ME. The impact of dysglycaemia on bone mineral accrual in young people with Cystic Fibrosis. *Clinical Endocrinology (Oxf)*; 78(1), 36-42, 2013
13. Yeung WC, Al-Shabeeb A, Pang CN, Wilkins MR, Catteau J, Howard NJ, Rawlinson WD, Craig ME. Children with islet autoimmunity and enterovirus infection demonstrate a distinct cytokine profile. *Diabetes*, 61(6): 1500-8, 2012. PMID: 22474026, Impact Factor 7.895
14. Kiefer DG, Keeler LC, Rust O, Chow SS, Craig ME, Peltier MR, Vintzileos AM, Rawlinson WD, Hanna N. Amniotic fluid inflammatory score is associated with pregnancy outcome in patients with mid trimester short cervix. *Am J Obstet Gynecol*. 206(1) 68 e1-6, 2012
15. Scott GM, Chow SSW, Craig ME, Pang CN, Hall B, Wilkins MR, Jones CA, Lloyd AR, Rawlinson WD. Cytomegalovirus infection during pregnancy with materno-fetal transmission induces a pro-inflammatory cytokine bias in placenta and amniotic fluid. *Journal of Infectious Diseases*, 205(8):1305-10, 2012, Impact Factor 5.9
16. Yeung G, Rawlinson WD, Craig ME. Enterovirus Infection and Type 1 Diabetes Mellitus - A systematic review of molecular studies. *British Medical Journal* 342:d35 doi:10.1136/bmj.d35 2011, Impact Factor 17.214, 115 citations
17. Downie E, Craig ME, Hing S, Cusumano J, Chan AK, Donaghue KC. Continued reduction in the prevalence of retinopathy in adolescents with type 1 diabetes - role of insulin therapy and glycemic control. *Diabetes Care* 34:2368–2373, 2011, Impact Factor 7.735
18. Kaur H, Donaghue KC, Chan AK, Benitez-Aguirre P, Hing S, Lloyd M, Cusumano J, Pryke A, Craig ME. Vitamin D deficiency is associated with retinopathy in children and adolescents with type 1 diabetes. *Diabetes Care* 34:1400–1402, 2011 Impact Factor 7.735
19. Tran F, Nguyen HT, Vu DC, Bui TP, Can NT, Nguyen KN, Huynh LT, Nguyen KP, Nguyen VT, Tran HM, Tran D, Hoang TD, Harkin N, Armstrong K, Jameson K, Pham A, Cowell CT, Craig ME. Glycemic Control in Children with Neonatal Diabetes and Type 1 Diabetes in Vietnam. *International Health*, 3 (3), 188-92, 2011
20. Rana M, Munns CF, Selvadurai H, Simonds S, Cooper P, Woodhead HJ, Hameed S, Verge CF, Lafferty AR, Crock PA, Craig ME. Increased detection of Cystic Fibrosis Related Diabetes in Australia. *Arch Dis Child* 96(9):823-6, 2011
21. Nair S, Leung K-C, Rawlinson WD, Naing Z, Craig ME. Enterovirus Infection induces Cytokine and Chemokine Expression in Insulin Producing Cells. *Journal of Medical Virology* 82(11):1950-7, 2010
22. Rana M, Munns CF, Selvadurai H, Donaghue KC, Craig ME. Cystic Fibrosis Related Diabetes in Children- Gaps in the Evidence? *Nature Clinical Practice Endocrinology and Metabolism*, 6(7):371-8, 2010 Impact Factor 11.025

GASTROENTEROLOGY

SYDNEY CHILDREN'S HOSPITAL

SUPERVISORS:

- Conjoint A/Prof Avi Lemberg
- Dr Steven Leach
- Dr Usha Krishnan
- Dr Keith Ooi

LOCATION OF PROJECTS:

- Sydney Children's Hospital

DR USHA KRISHNAN

usha.krishnan@sesiahs.health.nsw.gov.au
Sydney Children's Hospital

RESEARCH KEYWORDS

Paediatrics
Gastroenterology

Dr Usha Krishnan is a Conjoint Senior Lecturer with the Discipline of Paediatrics, School of Women's & Children's Health.

Dr Krishnan is also a staff specialist gastroenterologist in the Department of Gastroenterology at Sydney Children's Hospital.

PAST ILP / HONS PROJECTS

2015

- Cardiopulmonary Assessment of Children with Oesophageal Atresia/Tracheo-oesophageal Fistula: How the Lungs and Heart function after Definitive Repair.
- Gastric motility and function in children with oesophageal atresia and tracheoesophageal fistula

2014

- Outcome post fundoplication in children with gastroesophageal reflux disease
- Use of high resolution oesophageal manometry to characterise oesophageal motility following oesophageal atresia repair
- Biliary Atresia: Clinical profiles, risk factors and outcomes

2013

- Evaluate the safety of gastric acid inhibitors in premature neonates
- Gastrointestinal motility in distal intestinal obstruction syndrome in children with cystic fibrosis

PUBLICATIONS RESULTING FROM ILP / HONS PROJECTS

1. Shah R, Varjavandi V, Krishnan U. Predictive factors for complications in children with esophageal atresia. "Diseases of the Esophagus" in 2014, Jan 23.
2. Liu R, Jiwane A, Varjavandi V, Kennedy A, Henry G, Dilley A, Currie B, Adams S, Krishnan U. Comparison of percutaneous endoscopic, laparoscopic and open gastrostomy insertion in children., *Pediatric Surg Int* 2013, 29; 613-621.
3. McLennan L, Clarkson C, Menzies J, Hughes J, Adams S, Wu C, Jiwane A, Varjavandi V, Soma M, Belessis Y and Krishnan U. "Quality of life in children with eosinophilic esophagitis associated with esophageal atresia and tracheoesophageal fistula". Abstract from third Internal Conference on Esophageal Atresia to be published in *Diseases of the Esophagus* in 2015
4. L McLennan, C Clarkson, J Menzies, J Hughes, M Doumit, C Wu, S Adams, M Soma, U Krishnan, Y Belessis. Quality of life, family impact and parental satisfaction with multidisciplinary care in children with esophageal atresia". Abstract from third Internal Conference on Esophageal Atresia to be published in *Diseases of the Esophagus* in 2015
5. Chan L, Clarkson C, Krishnan U. "Treatment Outcomes for Eosinophilic Esophagitis in Children with Esophageal Atresia". Accepted for publication in *Diseases of the Esophagus* 2015
6. Krishnan U, Paul S, Messina I, Soma M. "Correlation between laryngobronchoscopy and pepsin in the diagnosis of extra-oesophageal reflux". Accepted for publication in *Journal of Otolaryngology* 2015
7. Krishnan U, Rama S, Messina I, Horsley E. "Management of children with gastroesophageal reflux and respiratory symptoms". Accepted for publication in *International Journal of Gastroenterology Research and Practice* 2015.

CONFERENCE PRESENTATIONS

1. Jemma Cho: "Comparison of multichannel intraluminal impedance and pH measurement in the detection of gastroesophageal reflux in children", accepted for poster presentation at the 6th European Pediatric GI Motility meeting in Brussels in October 2013
2. Ruzzannah Shah : "Early predictive factors for the occurrence of complications in children with esophageal atresia", poster presentation at the second international conference on esophageal atresia in Montreal 2012 and at annual scientific meeting of the North American Society for Pediatric Gastroenterology, Hepatology and Nutrition in Salt Lake City, Utah in 2012.

3. Shaun Rama : "Role of pepsin assay in the clinical management of children with gastroesophageal reflux and respiratory symptoms", oral and poster presentation at the annual scientific meeting of the European Society for Pediatric Gastroenterology, Hepatology and Nutrition in Stockholm in 2012 and at the World Congress for Pediatric Gastroenterology, Hepatology and Nutrition in Taiwan in 2012
4. "Correlation between laryngo-bronchoscopy and pepsin in the diagnosis of extra esophageal reflux disease", poster presentation at the annual scientific meeting of the European Society for Pediatric Gastroenterology, Hepatology and Nutrition in Stockholm in 2012-Soumesh Paul
5. Soumesh Paul : "Correlation between laryngo-bronchoscopy and pepsin in the diagnosis of extra esophageal reflux disease", oral and poster presentation at the Australian Society for Otolaryngology and Head and Neck Surgery in Adelaide in 2012
6. Ruwein Liu : "Comparison of percutaneous, laparoscopic and open gastrostomies in children", poster presentation at the annual scientific meeting of the European Society for Pediatric Gastroenterology, Hepatology and Nutrition in London in May 2013 and at the Perinatal Society for Australia and New Zealand conference in Adelaide in May 2013
7. Chan L: "Treatment Outcomes for Eosinophilic Esophagitis in Children with Esophageal Atresia". Oral presentation from third Internal Conference on Esophageal Atresia in Rotterdam 2014
8. McLennan L: "Quality of life in children with eosinophilic esophagitis associated with esophageal atresia and tracheoesophageal fistula". Abstract from third Internal Conference on Esophageal Atresia in Rotterdam 2014
9. L McLennan: Quality of life, family impact and parental satisfaction with multidisciplinary care in children with oesophageal atresia". Abstract from third Internal Conference on Esophageal Atresia in Rotterdam 2014

DR KEITH OOI

keith.ooi@sesiahs.health.nsw.gov.au

Sydney Children's Hospital

RESEARCH KEYWORDS

Paediatrics

Gastroenterology

Dr (Keith) Chee Y. Ooi is an academic specialist paediatric gastroenterologist with translational research interests. His clinical and basic research interests covers many aspects of paediatric gastrointestinal diseases, with special focus in pancreatic disorders, cystic fibrosis (CF) and gastrointestinal diseases associated with CF gene mutations.

Dr Ooi's research interests include:

- Paediatric pancreatitis
- Pathophysiology of pancreatitis in cystic fibrosis
- Identification of genetic modifiers in pancreatitis
- Diagnostic parameters for cystic fibrosis (including electrophysiological tests such as nasal potential difference and intestinal ion channel measurements)
- Newborn screening for cystic fibrosis
- Gastrointestinal diseases in cystic fibrosis - pancreatic, gastrointestinal/luminal and liver diseases
- Gastrointestinal biomarkers of health and disease
- Intestinal microbiome

PAST ILP / HONS PROJECTS

2015

- Dietary intake of children with cystic fibrosis

2014

- A prospective study of distal intestinal obstruction syndrome (DIOS), concomitant risk factors, and treatment, in Australians with cystic fibrosis (CF)

2013

- Gut microbiota in children of New South Wales.
- Gastrointestinal motility in distal intestinal obstruction syndrome in children with cystic fibrosis.

2012

- Evaluation of the role of newborn screening in detecting patients with all forms of cystic fibrosis

PUBLICATIONS RESULTING FROM PAST ILP / HONOURS PROJECTS

(a) Journal Articles, Reviews and Letters

1. Dhaliwal J, Leach S, Katz T, Nahidi L, Pang T, Lee JM, Strachan R, Day AS, Jaffe A, Ooi CY. Intestinal inflammation and impact on growth in children with cystic fibrosis. *J Pediatr Gastroenterol Nutr* 2014 (accepted).
2. Pang T, Leach ST, Katz T, Jaffe A, Day AS, Ooi CY. Elevated faecal M2-pyruvate kinase in children with cystic fibrosis: A clue to the increased risk of intestinal malignancy in adulthood? *Journal of Gastroenterology and Hepatology* 2014 (accepted).
3. Coffey MJ, Nightingale S, Ooi CY. Diagnosing acute pancreatitis in children: what is the diagnostic yield and concordance for serum pancreatic enzymes and imaging within 96 hours of presentation? *Pancreatology* 2014;14(4):251-6.
4. Coffey MJ, Nightingale S, Ooi CY. Serum lipase as a predictor of severity of acute pancreatitis in children – author's response. *J Pediatr Gastroenterol Nutr* 2014;58(4):e42.
5. Pang T, Leach ST, Katz T, Day AS, Ooi CY. Faecal biomarkers of intestinal health and disease in children. *Front Pediatr* 2014. doi: 10.3389/fped.2014.00006.
6. Coffey MJ, Nightingale S, Ooi CY. Predicting a biliary aetiology in paediatric acute pancreatitis. *Arch Dis Child* 2013;98(12):965-9.
7. Meyer A, Coffey MJ, Oliver MR, Ooi CY. Contrasts and comparisons between childhood and adult onset acute pancreatitis. *Pancreatology* 2013;13(4):429-35.
8. Coffey MJ, Nightingale S, Ooi CY. Serum lipase as an early predictor of severity in pediatric acute pancreatitis. *J Pediatr Gastroenterol Nutr* 2013;56(6):602-8.
9. Lee JM, Leach S, Katz T, Day AS, Jaffe A, Ooi CY. Update of faecal markers of inflammation in children with cystic fibrosis. *Mediators of Inflammation* 2012;2012:948367.

(b) Books and/or Chapters in Books

1. Coffey M, Ooi CY. Pancreatitis in cystic fibrosis and CFTR-related disorders. In: Luis Rodrigo, ed. *Acute Pancreatitis*. ISBN: 978-953-307-984-4, InTech, 2012:67-90.

(c) Abstracts

1. Tan LZ, Adams SE, Kennedy A, Fletcher FAC, Ooi CY. Are children on jejunal feeds at risk of iron deficiency? *Journal of Gastroenterology and Hepatology* 2014; 29(S2):147.
2. Pang T, Leach, Day AS, Jaffe A, Ooi CY. Elevated faecal m2-pyruvate kinase in children with CF: does this explain the increased risk of gastrointestinal malignancy in adulthood? *Pediatric Pulmonology* 2014;49(S38):410.
3. Ooi CY, Jeyaruban C, Katz T, Matson A, Bell SC, Adams SE, Krishnan U. High ambient temperature is a risk factor for distal intestinal obstructive syndrome and constipation in children with cystic fibrosis. *Pediatric Pulmonology* 2014;49(S38):410.
4. Coffey MJ, Nightingale S, CY Ooi. Diagnosing acute pancreatitis in children: what is the diagnostic yield and concordance for serum pancreatic enzymes and imaging? *Gastroenterology* 2014;146(5),S1:S-625.
5. Pang T, Leach, Day AS, Jaffe A, Ooi CY. Faecal M2-pyruvate kinase in children with cystic fibrosis: Does increased cell turnover from childhood explain the increased risk of gastrointestinal malignancy in adulthood? *Gastroenterology* 2014;146(5),S1:S-792.
6. Dhaliwal J, Katz T, Leach S, Strachan R, Lee JM, Jaffe A, Day AS, Ooi CY. Elucidating the mechanism of intestinal inflammation in CF: One step closer. *Pediatric Pulmonology* 2013;47(S36):404.
7. Dhaliwal J, Katz T, Leach S, Strachan R, Lee JM, Jaffe A, Day AS, Ooi CY. The phenotypic impact of intestinal inflammation on children with cystic fibrosis. *Pediatric Pulmonology* 2013;47(S36):405.
8. Coffey MJ, Nightingale S, Ooi CY. Prediction of biliary acute pancreatitis in pediatric patients. *Gastroenterology* 2013;144(5),S1:271.
9. Ooi CY, Lee JM, Leach S, Katz T, Day AS, Jaffe A. Does pancreatic enzyme replacement therapy cause intestinal inflammation? *Pediatric Pulmonology* 2012;11(S35):415.
10. Coffey M, Nightingale S, Ooi CY. Early prediction of severity in acute paediatric pancreatitis. *Gastroenterology* 2012;142(Suppl 1):S848.
11. Ooi CY, Lee JM, Leach S, Katz T, Day AS, Jaffe A. Intestinal inflammation in CF: stool markers and correlation with pancreatic enzymes. *J Cystic Fibrosis* 2012;11(S1):S114.
12. Coffey M, Ooi CY. Can serum pancreatic enzyme levels predict severity of acute paediatric pancreatitis? *Pancreatology* 2011;11(6):570-1.

PRESENTATIONS BY/WITH ILP STUDENTS

Oral Presentations at Meetings:

1. Dhaliwal J, Katz T, Leach S, Strachan R, Lee JM, Jaffe A, Day AS, Ooi CY. Elucidating the mechanism of intestinal inflammation in CF: One step closer. North American Cystic Fibrosis Conference, Salt Lake City, USA, 18 October 2013. Workshop #15: Clin: GI/Liver/Pancreas.
2. Ooi CY, Lee JM, Leach S, Katz T, Day AS, Jaffe A. Intestinal inflammation in CF: stool markers and correlation with pancreatic enzymes. European Cystic Fibrosis Conference, Dublin, Ireland, 7 June 2012. ePoster Corner Session oral presentation.
3. Coffey M, Ooi CY. Can serum pancreatic enzyme levels predict severity of acute paediatric pancreatitis? Australasian Pancreatic Club (APC) and Sydney Upper Gastrointestinal Surgical Society (SUGSS) Joint Meeting, Sydney, NSW, Australia 15 October 2011.

Awarded Best Oral Presentation Award

1. Tan LZ, Adams SE, Kennedy A, Fletcher FAC, Ooi CY. Are children on jejunal feeds at risk of iron deficiency? TOW Awards, Sydney, 28 November 2014.
2. Fletcher F, Adams S, Ooi CY, Kennedy A. Jejunal feeding and iron status – the need for clinical guidelines. Pacific Association of Pediatric Surgeons Conference, NSW, Australia 7-11 April 2013.

LIVERPOOL HOSPITAL

FAIRFIELD HOSPITAL

SUPERVISORS:

LIVERPOOL

- Conjoint A/Prof John Eastwood (see page 15)
- Associate Professor Catherine O'Connor
- Dr Natalie Ong
- Dr Terence Yoong
- Dr Robert Guaran (see page 34)
- Dr Kate Alexander
- Dr Alexandra Hendry
- Dr Jacky Pollack

FAIRFIELD

- Dr Nicholas Cheng (see page 18)
- Dr Laurence McCleary

BENEFITS OF SOUTH WESTERN SYDNEY (BANKSTOWN, CAMPBELLTOWN, FAIRFIELD, & LIVERPOOL)

There are many benefits to completing your ILP/Honours at South Western Sydney Hospitals namely access to state-of-the-art facilities housed at both the Hospital itself and the neighbouring institutes, in addition to extensive expertise of supervisors and varied clinical exposure.

The South Western Sydney Clinical School (SWSCS) was established in 1990. It is unique to the UNSW city clinical schools in that it embraces multiple campuses, allowing access to a broad and diverse range of health care services delivered to a large (approximately 800,000 people) and diverse population.

The SWSCS is centered at Liverpool Hospital (600 beds), a principal tertiary referral hospital for the South Western Sydney Area Health Service (SWSAHS). An active teaching and research programme is also run at Bankstown-Lidcombe Hospital (400 beds; the second principal referral hospital in SWSAHS) and at Campbelltown and Fairfield Hospitals, as well as a number of other facilities.

Students also retain access to Discipline of Paediatrics research resources provided their supervisor / co-supervisor has a conjoint appointment with the Discipline or School of Women's & Children's Health. These resources include help with obtaining ethics and governance approval, and access to a biostatistician. In addition, you are also eligible for the Discipline of Paediatrics ILP Awards and Honours Travel Prize (provided they are offered in the year that you are completing your ILP/Honours).

THE INGHAM INSTITUTE LIVERPOOL HOSPITAL

THE EARLY YEARS RESEARCH GROUP

The Early Years Research Group (EYRG) was established to facilitate multi-disciplinary and collaborative research. Under the leadership of Associate Professor John Eastwood (Director Community Paediatrics, SWSLHD and SLHD) the EYRG brings together a number of perinatal, paediatric and child health clinical and community health professionals.

The group is continually expanding to include other groups/health professionals who are interested in early years research. The goal of the EYRG is to advance the understanding of early developmental origins of health and disease and to subsequently improve the prognosis and outcomes of children through the delivery of better health services to these children and their families.

The EYRG holds research meetings every two months which serve as a platform for early years research to be discussed and potential new research ideas and/or collaborations to be identified. A database has been developed to collate the details of early years research/clinical quality improvement projects occurring in of South Western Sydney and Sydney Local Health Districts.

This database is helping map and monitor early years research being conducted and the associated outputs of the various projects. Currently 125 research and/or clinical quality improvement projects exist on the database and this number is steadily increasing.

The group is conducting a large data linkage epidemiological and health services research project "Maternal and Child Health Outcomes" to explore associations between early life experiences and the health, development and welfare of a cohort of infants born in the South Western Sydney and Sydney Local Health Districts.

It utilises a large bank of existing clinical data from antenatal and maternity records and links these to maternal and child clinical data collected during the five years following birth. Members and affiliates of the EYRG interested in using this data to explore specific research interests are invited to submit brief research proposals to the EYRG Research Coordinator.

Please contact the EYRG Research Coordinator, Dr Alexandra Hendry (alexandra.hendry@sswahs.nsw.gov.au) for further information regarding the EYRG or the Maternal and Child Health Outcomes.

More information can be found on the Ingham Institute's website: <http://www.inghaminstitute.org.au/content/early-years-0>



RECENT PUBLICATIONS:

Eapen, V., **Woolfenden, S.**, Williams, K., **Jalaludin, B.**, Dissanayake, C., Axelsson, E.L., Murphy, E., **Eastwood, J.**, Descallar, J., Beasley, D., Črnčec, R., Short, K., Silove, N., Einfeld, S., Prior, M. "Are you available for the next 18 months?" - methods and aims of a longitudinal birth cohort study investigating a universal developmental surveillance program: The 'Watch Me Grow' study. *BMC Pediatrics*, 2014, 14 (1), art. no. 234, .

Eastwood, J.G., Jalaludin, B.B., Kemp, L.A., Phung, H.N. Bayesian hierarchical spatial regression of maternal depressive symptoms in South Western Sydney, Australia *SpringerPlus*, 2014, 3 (1): 1-10.

Eastwood, John, Jalaludin, Bin, Kemp, Lynn, Phung, Hai, Barnett, Bryanne, & Tobin, Jacinta. (2013). Social exclusion, infant behavior, social isolation, and maternal expectations independently predict maternal depressive symptoms. *Brain and Behavior*, 3(1), 14-23. doi: 10.1002/brb3.107

Eastwood, John G., Jalaludin, Bin B., Kemp, Lynn A., Phung, Hai N., & Adusumilli, Sunil K. (2013). Clusters of maternal depressive symptoms in South Western Sydney, Australia. *Spatial and Spatio-temporal Epidemiology*, 4(0), 25-31. doi: <http://dx.doi.org/10.1016/j.sste.2012.11.001>

Eastwood, J. G., Jalaludin, B. B., Kemp, L. A., Phung, H. N., & Barnett, B. E. W. (2013). Immigrant maternal depression and social networks. A multilevel Bayesian spatial logistic regression in South Western Sydney, Australia. *Spatial and Spatio-temporal Epidemiology*, 6, 49-58.

Joshua, Paul Robert, Smith, Mitchell M, Koh, Alaric Sek Kai, Woodland, Lisa Anne, & Zwi, Karen. (2013). Australian Population Cohort Study of Newly Arrived Refugee Children: How Effective Is Predeparture Measles and Rubella Vaccination? *The Pediatric Infectious Disease Journal*, 32(2), 104-109.

Williams, K., Perkins, D., Wheeler, D., Hayen, A., & Bayl, V. (2013). Can questions about social interaction correctly identify preschool aged children with autism? *Journal of Paediatrics and Child Health*, 49(2), E167-E174.

INFECTIOUS DISEASES

SYDNEY CHILDREN'S HOSPITAL

SUPERVISORS:

- Dr Brendan McMullan
- A/Prof Pamela Palasanthiran

LOCATION OF PROJECTS:

- Sydney Children's Hospital

PROJECTS AVAILABLE IN THE FOLLOWING RESEARCH AREAS FOR 2016:

- Surgical Antibiotic Prophylaxis
- Influenza vaccine safety
- Staphylococcal bloodstream infections
- HIV in children and PMTCT
- Failed Newborn Hearing Screening and Congenital CMV
- Group B Streptococcal infections in infants

DR BRENDAN MCMULLAN

b.mcmullan@unsw.edu.au

Sydney Children's Hospital

RESEARCH KEYWORDS

Paediatrics

Infectious Diseases

Clinical Microbiology

Dr Brendan McMullan is a Infectious Diseases Staff Specialist at Sydney Children's Hospital and Conjoint Lecturer with the Discipline of Paediatrics, School of Women's & Children's Health, UNSW Medicine.

Dr McMullan's research interests lie in infections in the immunocompromised host, congenital infectious and fungal infections with a focus on quality in diagnostic tests and antimicrobial stewardship.

View [Dr Brendan McMullan's Research Gateway Profile.](#)

NEONATOLOGY

ROYAL HOSPITAL FOR WOMEN

SUPERVISORS:

- Conjoint A/Prof Ju-Lee Oei
- Dr Tim Schindler
- Dr John Smyth

LOCATION OF PROJECTS:

- Royal Hospital for Women

LIVERPOOL HOSPITAL

SUPERVISORS:

- Dr Robert Guaran

LOCATION OF PROJECTS:

- Liverpool Hospital

CONJOINT A/PROF JU-LEE OEI

j.oei@unsw.edu.au

Royal Hospital for Women

RESEARCH KEYWORDS

Paediatrics
 Neonatology
 Drug Addiction
 Drug-Related Harm
 Fetal Alcohol Syndrome
 Population Health
 Epidemiology
 Obstetric Outcomes

Dr Ju-lee Oei is a Conjoint Associate Professor with the School of Women's & Children's Health.

A/Prof Oei is interested in clinical and epidemiological research regarding neonatal outcomes especially for:

- The use of oxygen in neonatal research
- The effects of maternal drugs of dependency on the neonate
- Epidemiology of neonatal intensive care and outcomes

Project Topics for current Honours Students:

- Linkage analysis to determine changes in cerebral palsy rates after reevaluation of neonatal resuscitation practices
- Educational and health outcomes of high risk infants
- Neuroimaging and genetics of children born to drug using mothers

View [Conjoint A/Prof Ju-Lee Oei's Research Gateway Profile.](#)

PAST ILP/HONS PROJECTS

2015

- Do preterm infants have an increased risk of cancer?
- How does neonatal drug withdrawal affect cerebral oxygenation? A pilot study.
- What are children admitted to hospital for after trachea-esophageal fistula (TOF) repair?
- What do we do with moderate to late preterm infants? A survey.
- What happens to the children of New South Wales after a burn injury?

2014

- Brains, Opioids and Babies – the influence of dopamine D2 polymorphisms on brain volume and magnetic resonance spectroscopy of children exposed to gestational opioids.
- Neurodevelopmental and Cognitive Outcome of Preterm Small for Gestational Age babies admitted to Neonatal Intensive Care Unit at Royal Hospital for Women.
- What happens to extremely preterm infants? A linkage analysis of all extreme preterm births in New South Wales between 1994-2011.
- Teachers and Fetal Alcohol Syndrome Disorders – a survey of knowledge and attitudes.
- What happens to children of drug using mothers? A linkage study to determine health and educational outcomes of children affected by maternal drug-use.
- Transfusion Associated Necrotising Enterocolitis.

2013

- Attitudes and practices of health practitioners to the management of women and children exposed to perinatal amphetamines.
- The Practical Application of the Finnegan's Score to Known Drug Exposed Infants.
- The influence of maternal opiates and dopamine D2 receptor (DRD2) polymorphisms on the neurodevelopmental and behavioral outcomes of drug-exposed children.

2012

- The exposure of infants admitted to neonatal intensive care units (NICUs) to radiation from diagnostic x-rays and other radiological procedures.
- Incidence and short-term outcomes of infants with abdominal wall defects admitted to neonatal intensive care units (NICUs) in New South Wales (NSW).
- Short term outcomes of infants born with Apgar scores of <5 at 5 minutes of age in NSW.
- The influence of maternal opiates on newborn immunity.

2010

- Effect of maternal methadone dose on neonatal QTc intervals.
- The effect of maternal temperament on infant sleep and settling behaviour after discharge from NICU.
- Using amplitude integrated electroencephalograms (aEEG) as markers of severity in neonatal abstinence syndrome (NAS).
- The use of oxygen for delivery room resuscitation in South East Asia.
- Risk of childhood malignancy in survivors of neonatal intensive care.

DR ROBERT GUARANjohn.eastwood@sswahs.nsw.gov.au

Liverpool Hospital

Dr Robert Guaran was the inaugural Head of the Newborn Intensive Care Unit at Liverpool Hospital. He has held numerous local, LHD, statewide and national advisory committee roles.

Since mid-2012 He has held the position of Executive Clinical Advisor - Neonatology at the NSW Perinatal Services Network. This role is under the auspices of both the Sydney Children's Hospital Network and NSW Kids and Families.

He is also a Board Member of the Miracle Babies Foundation (www.miraclebabies.org.au)

Current research revolves around:

- Parent's involvement in research (advisor at the WINNER Institute).
- Translation of Evidence into Clinical Practise (Translational Research).
- Clinical Communities in Neonatology
- The impact of long term hospitalisation of newborn infants on hospital resources and Families
- The impact of playgroup on maternal well-being after the delivery of a pre-term infant

NEPHROLOGY

SYDNEY CHILDREN'S HOSPITAL

SUPERVISORS:

- Dr Sean Kennedy
- Dr Fiona Mackie

LOCATION OF PROJECTS:

- Sydney Children's Hospital

The Nephrology Department is a busy clinical unit caring for children of all ages with a wide range of kidney diseases. All clinicians are active researchers. Dr Sean Kennedy, Dr Fiona Mackie and A/Prof Gad Kainer have all supervised ILP/Honours students. Dr Kennedy is also actively involved in tuberous sclerosis management and research. Dr Fiona Mackie is involved in research in SLE, and vaccines and viral infections in immunosuppressed populations.

RESEARCH AREAS 2016:

- Acute Kidney Injury
- Kidney Transplantation
- Congenital anomalies of kidney and urinary tract
- Urinary tract infection
- Interpreting 24 hour blood pressure profiles in children
- Care of adolescents with chronic disease
- Systemic lupus erythematosus in children
- Tuberous sclerosis
- Vaccination in transplant patients

ILP projects typically encompass a variety of methodologies. Most are clinical studies, some involve laboratory work. Students have the opportunity to join the clinical team in regular clinical activities including attending outpatient clinics and clinical meetings.

DR SEAN KENNEDY

sean.kennedy@unsw.edu.au
Sydney Children's Hospital

RESEARCH KEYWORDS

Paediatrics
Nephrology
Urology
Renal
Acute Kidney Injury
Tuberous Sclerosis
Genetics
Adolescent Health

Dr Sean Kennedy is a Senior Lecturer with the Discipline of Paediatrics, School of Women's & Children's Health.

Dr Kennedy is interested in research surrounding:

- Acute kidney injury in children;
- Optimising outcomes in adolescents and young adults with kidney disease;
- Renal manifestations of tuberous sclerosis;
- Improving clinical management of congenital anomalies of the kidney and urinary tract.

View [Dr. Sean Kennedy's Research Gateway Profile.](#)

PAST ILP/HONS PROJECTS

2015

- Does the Rate of Growth of Subependymal Tumours Correlate with Severity of other Manifestations of Tuberous Sclerosis Complex?
- Parental Perceptions of Antenatal Counselling for Congenital Anomalies of Kidney and Urinary Tract
- Review of Protocol Biopsies after Paediatric Kidney Transplantation

2014

- CMV, EBV and BK viraemia in paediatric kidney transplant recipients.
- The incidence of infundibular stenosis in children with multicystic dysplastic kidneys.
- Biomarkers of Acute Kidney Injury in Children after Haematopoietic Stem Cell Transplant.

2013

- Henoch Schonlein Purpura Diagnosis and Management.
- Preparedness For Transition In Adolescents With Chronic Medical Conditions.
- Exploring Urinary Biomarkers of Tumour Growth in Tuberous Sclerosis Complex.
- Effect of mTOR Inhibitors on Urinary Biomarkers in Tuberous Sclerosis Complex.
- Clinical and laboratory features in Kawasaki Disease when compared to matched febrile children with alternate diagnoses.

2012

- Urinary tract infections and voiding dysfunction in children after kidney transplantation.
- Epidemiology of Posterior Urethral Valves & Use of Information and Counselling Services by Parents of Affected Children.
- Effect of Tachycardia on Blood Pressure in Children.

PUBLICATIONS RESULTING FROM ILP/HONS PROJECTS

1. Lorena Zhang, Jane Ho, Sean Kennedy. A systematic review of the psychometric properties of transition readiness assessment tools in adolescents with chronic disease. BMC Pediatr. 2014 (Honours 2013)
2. Devesh Thakkar, Aniruddh V Deshpande, Sean E Kennedy. Epidemiology and Demographics of Posterior Urethral Valves. Paediatric Nephrology. 2013 (ILP 2012)
3. Kennedy SE, Bailey R, Kainer G. Causes and outcome of late referral of children who develop end stage kidney disease. J Paediatr Child Health. 2012 (ILP 2010)

DR FIONA MACKIE
fiona.mackie@health.nsw.gov.au
Sydney Children's Hospital

RESEARCH KEYWORDS

Paediatrics
Nephrology
Kidney Transplant
Acute Kidney Injury

Dr Fiona Mackie is a Conjoint Senior Lecturer with the Discipline of Paediatrics, School of Women's & Children's Health.

Dr Mackie is also a senior staff specialist nephrologist at Sydney Children's Hospital and Chair of the Australian Paediatric Nephrology Association.

PAST ILP / HONS PROJECTS

2015

- Review of Protocol Biopsies after Paediatric Kidney Transplantation

2014

- CMV, EBV and BK viraemia in paediatric kidney transplant recipients.
- The incidence of infundibular stenosis in children with multicystic dysplastic kidneys.
- Biomarkers of Acute Kidney Injury in Children after Haematopoietic Stem Cell Transplant.

2013

- Henoch Schonlein Purpura Diagnosis and Management.

PUBLICATIONS RESULTING FROM ILP/HONS PROJECTS

1. Oral presentation at the International Paediatric Transplant Association Meeting, San Francisco 2015 and winner of the 2014 ILP Paediatrics award (Bernadette Cameron).

NEUROLOGY | NEUROSCIENCE

DEVELOPMENTAL NEUROSCIENCE

SUPERVISORS:

- Prof Anne Cunningham
- Dr Meredith Ward

LOCATION OF PROJECTS:

- Westfield & Strasser Research Laboratories
- Sydney Children's Hospital

PROJECTS AVAILABLE IN 2016:

- Expression and role of Vascular Endothelial Growth Factor Receptor 3 and its ligand VEGFC in pigmented retinal epithelium in vitro in normoxia and hypoxia.
- Vascular Endothelial Growth Factor family expression in the developing optic cup in a rodent model of hypoxic injury.

NEUROLOGY

SUPERVISORS:

- Dr Michelle Farrar
- Dr Michael Cardamone

LOCATION OF PROJECTS:

- Sydney Children's Hospital

PROJECTS AVAILABLE IN 2016:

- The ketogenic diet for treatment of epileptic seizures in children with intractable epilepsy – Parental perspectives

PROF ANNE CUNNINGHAMa.cunningham@unsw.edu.au

Sydney Children's Hospital | Westfield & Strasser Research Labs

RESEARCH KEYWORDS

Paediatrics
Neurology
Developmental
Neuroscience

Professor Anne Cunningham, Professor of Paediatrics, is the Director of the Developmental Neurosciences Program within the Discipline of Paediatrics, School of Women's & Children's Health.

Prof Cunningham is also the Head of Laboratory Research at Sydney Children's Hospital.

Researchers in her team are currently investigating neural stem cells, traumatic spinal cord disorders, the pathophysiology of childhood epilepsy, and the effects of asphyxia and prematurity on the newborn brain.

PAST ILP/HONS PROJECTS

2015

- Vascular endothelial growth factor expression in developing rodent intestine
- Vascular endothelial growth factor receptor 1 & 3 expression in developing cerebellum after hypoxic injury

2014

- Expression of opioid receptors in neurogenic regions of developing brain.
- Vascular endothelial growth factor family and the developing retina.

2013

- The spectrum of Vitamin D status and clinical outcomes in a cohort of children and adolescents with neuromuscular disease.

DR MEREDITH WARDmeredith.ward@sesiahs.health.nsw.gov.au

Royal Hospital for Women | Westfield & Strasser Research Labs

RESEARCH KEYWORDS

Paediatrics
Neurology
Developmental
Neuroscience
Neonatology

Dr Meredith Ward is a Neonatologist at the Royal Hospital Women, she is also completing her PhD supervised by Prof Anne Cunningham and Dr Alla Dolnikov.

Dr Ward's PhD research is investigating brain stem cells and their role in the neuro development in the immature brain.

Her areas of neonatal interest include prevention of infection in the nursery setting, care of infants requiring surgery, and substance use in pregnancy.

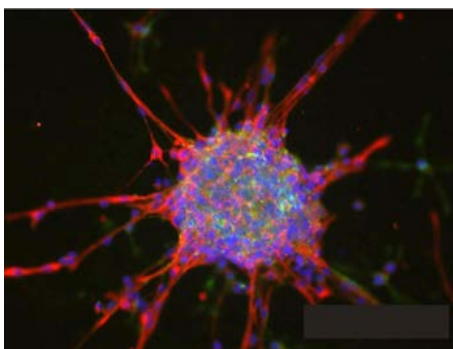
PAST ILP/HONS PROJECTS

2015

- Vascular endothelial growth factor expression in developing rodent intestine
- Vascular endothelial growth factor receptor 1 & 3 expression in developing cerebellum after hypoxic injury

2014

- Expression of opioid receptors in neurogenic regions of developing brain.
- Vascular endothelial growth factor family and the developing retina.



DR MICHELLE FARRAR

michelle.farrar@sesiahs.health.nsw.gov.au
Sydney Children's Hospital

RESEARCH KEYWORDS

Paediatrics
Neurology
Neuromuscular Disorders
Neurodegeneration
Neurophysiology

Dr Michelle Farrar is a Senior lecturer in Paediatric Neurology at the School of Women's and Children's Health, University of New South Wales and Consultant Neurologist at Sydney Children's Hospital Randwick. Her research focus is clinical paediatric neurology, neuromuscular disorders and neurophysiology, aiming to further understand disease pathophysiology and develop treatment strategies.

Currently the team is investigating the mechanisms and the possible prevention of neurodegeneration in spinal muscular atrophy and other inherited neuropathies. In addition, collaborations with the genetics team on campus are developing next generation sequencing to improve diagnostic approaches in neurological disorders. The team is also involved in clinical trials investigating potential drug treatments to improve management of neuromuscular diseases.

View [Dr Michelle Farrar's Research Gateway Profile.](#)

PAST ILP/HONS PROJECTS

2015

- Congenital and childhood myotonic dystrophy: optimizing current treatment

2014

- Nutrition and lung function in Duchenne Muscular Dystrophy.

2013

- The spectrum of Vitamin D status and clinical outcomes in a cohort of children and adolescents with neuromuscular disease.

DR MICHAEL CARDAMONE

michael.cardamone@sesiahs.health.nsw.gov.au
Sydney Children's Hospital

RESEARCH KEYWORDS

Paediatrics
Neurology
Epilepsy

Dr Michael Cardamone is a Research Fellow and Lecturer with the Discipline of Paediatrics, School of Women's & Children's Health. He is also staff specialist in the Neurology Department at Sydney Children's Hospital.

Dr Cardamone research interests surround epilepsy, including for example intractable epilepsy in tuberous sclerosis complex and infantile epileptic encephalopathies.

View [Dr Michael Cardamone's Research Gateway Profile.](#)

PAST ILP/HONS PROJECTS

2015

- Congenital and childhood myotonic dystrophy: optimizing current treatment

ILP/HONS PROJECT AVAILABLE IN 2015:

"The ketogenic diet for treatment of epileptic seizures in children with intractable epilepsy – Parental perspectives."

The aim of the study is to conduct a needs assessment of parents with children on the ketogenic diet.

This study will essentially involve the student conducting a face-to face or telephone interview of parents of children about to start, undergoing treatment and previous treatment of the ketogenic diet.

The student will learn how to conduct a needs assessment; will carry out clinical interviews of parents with children with epilepsy and how to apply statistical methods to data which can help to optimise clinical practice. The study has ethics approval.

PROJECT SUMMARY:

Dietary therapies for the treatment of epilepsy have increasingly been shown to be an effective means of treating epilepsy that is refractory to medications. Currently there are at least four different types of dietary therapies available to treat epilepsy (three of which are used at SCH), these include:

the classical ketogenic diet, the modified Atkins diet, the use of medium chain triglycerides and the low glycaemic index diet. These high fat diets ultimately provide an alternative energy source for the brain (other than glucose). Implementation of the diets requires medical and dietary supervision along with an enormous commitment from families. While empirically the diets have been shown to reduce seizures in children with epilepsy, implementation varies greatly from hospital to hospital. Further research is therefore needed to improve outcomes and determine factors that promote patient and family compliance.

The objective of this project is to conduct an audit of the Ketogenic Diet service at SCH between 2003 to 2015 using a retrospective medical chart review and parent questionnaire. The project aims to evaluate patient safety, tolerance, compliance and clinical effectiveness. Results will provide data on the strengths and weakness of the current service, suggested improvements and development of resources for families and professionals caring for children on the diet. Expected outcomes include improved delivery of care, patient safety and a more effective model of parental education.

Using a questionnaire, this project will review the experiences of parents pre, during and after commencement of ketogenic diet. We will ask about compliance, duration of therapy, support, concerns and challenges, confidence on discharge, clinical effectiveness (seizure control and cognitive/developmental improvement) and suggestions for improvement of the service. We will aim to find out how parents became aware of the diet and whether they felt they were given enough information in hospital during inception of the therapy and whether they felt confident continuing the diet at home.

REFERENCE:

- (1) Kossoff E H 2008 International consensus statement on clinical implementation of the ketogenic diet: Agreement, flexibility and controversy. *Epilepsia* 49 (supp 8) 1113.
- (2) Wibisono C et al., 2015 Ten-year Single Centre Experience of the Ketogenic Diet: factors Influencing Efficacy, Tolerability, and Compliance. *Journal of Pediatrics* In press

PAIN MEDICINE

SYDNEY CHILDREN'S HOSPITAL

SUPERVISORS:

- A/Prof David Champion
- Dr Tiina Jaaniste
- Dr Jordan Wood
- Dr Tamara Lang

CO-SUPERVISORS

- Dr Meg Goodison-Farnsworth
- Marianne McCormick
- Dave Anderson

LOCATION OF PROJECTS:

- Sydney Children's Hospital

Paediatric Pain Research Unit has been operating for over 20 years. Typically supervising 3-5 ILP/Honours students per year. Pain Medicine impacts on all branches of medicine.

Students will be part of multi-disciplinary team and invited to attend monthly research team meetings and observe chronic pain clinics and acute pain ward rounds.

Key Research Topic Areas for 2016:

1. Pain Measurement: self-report in pre-schoolers
2. Paediatric Post-surgical Discharge Outcome
3. Paediatric Chronic Pain
 - Understanding sleep & fatigue in paediatric chronic pain patients.
 - Evaluation of Graded Motor Imagery (GMI) for CRPS
4. Twin studies & chronic paediatric pain

CONJOINT A/PROF DAVID CHAMPION

dchamp@bigpond.net.au
Sydney Children's Hospital

RESEARCH KEYWORDS

Paediatrics
Pain
Information Provision
Role of Family
Psychosocial Factors
Trajectory of Pain

Dr David Champion is a Conjoint Associate Professor with the Discipline of Paediatrics, School of Women's & Children's Health.

A/Prof Champion founded the Pain & Palliative Care research unit at Sydney Children's Hospital 25 years ago and directed the research team until Jan 2014.

A/Prof Champion continues to be involved in several major projects within the unit.

PAST ILP / HONS PROJECTS

2015

- Paediatric Attention Deficit Hyperactivity Disorder: Genetic risk and associations with common pain disorders, Restless Legs Syndrome, Iron Deficiency.
- Paediatric Dysmenorrhea: Genetic risk and Associations with common pain disorders, Restless Legs Syndrome, Iron Deficiency and Anxious Depression.

2014

- Survey of parents and patients about the pain experience after discharge following tonsillectomy.

2013

- Survey of patients and parents about the pain experience at and after discharge following appendectomy at Sydney Children's Hospital.
- Somatosensory testing in children and adolescents with chronic pain disorders.
- Development and evaluation of an education program for parents of children with chronic pain.
- Survey of parents and patients about the pain experience after discharge following tonsillectomy.

2012

- Case-control study of children with recurrent and chronic abdominal pain: Associations of diagnosis and pain outcomes with psychological risk factors.
- Genetic influences on functional pain syndromes of childhood.
- Somatosensory testing in children and adolescents with chronic pain disorders.
- Impaired sleep in children and adolescents with chronic pain disorders: evaluation of predictors of response to sleep guidance.

2010

- Parent-child interaction in chronic paediatric pain.
- Clinical trial (N of 1) of combination intervention to reduce pain-related distress of children receiving intramuscular injections of asparaginase.
- A potential augmenting role for symptomatic gastro-oesophageal reflux in children and adolescents with Chronic pain disorders.
- Genetic Studies of Pain in Children.

PUBLICATIONS RESULTING FROM ILP/HONS PROJECTS

1. Du, S., Jaaniste, T., Champion, DG., & Yap, CSL. Theories of fear acquisition: The development of needle phobia in children. *Pediatric Pain Letter - Commentary*, 2008, 10(2).

DR TIINA JAANISTE

tiina.jaaniste@sesiahs.health.nsw.gov.au
Sydney Children's Hospital

Dr Tiina Jaaniste is a Conjoint Senior Lecturer with the Discipline of Paediatrics, School of Women's & Children's Health.

Dr Jaaniste is Head of Pain & Palliative Care Research within the Department of Pain & Palliative Care at Sydney Children's Hospital.

Dr Jaaniste's research interests include:

- Paediatric pain with a particular focus on information provision (e.g. before medical procedures or about coping with chronic pain);
- The role of family and psychosocial factors in paediatric pain;
- Trajectory of paediatric chronic pain

PAST ILP/HONS PROJECTS

2015

- How young people with chronic pain respond to a multimodal pain intervention: trajectory of key outcome domains over time.
- Self report measures of pain intensity for 3 to 6 year old children.

2014

- A Randomised Controlled Trial evaluating an online chronic pain education program for adolescents.

PUBLICATIONS RESULTING FROM ILP/HONS PROJECTS

1. Du, S., Jaaniste, T., Champion, DG., & Yap, CSL. Theories of fear acquisition: The development of needle phobia in children. *Pediatric Pain Letter - Commentary*, 2008, 10(2).

RESEARCH KEYWORDS

Paediatrics
Pain
Information Provision
Role of Family
Psychosocial Factors
Trajectory of Pain

DR JORDAN WOOD

jordan.wood@sesiahs.health.nsw.gov.au
Sydney Children's Hospital

Dr Jordan Wood is a Conjoint Associate Lecturer with the Discipline of Paediatrics, School of Women's & Children's Health.

Dr Wood is a pain specialist with the Department of Pain & Palliative Care at Sydney Children's Hospital.

PAST ILP / HONOURS PROJECTS

2014

- Survey of patients and parents about the pain experience at and after discharge following appendicectomy at Sydney Children's Hospital.
- Survey of parents and patients about the pain experience after discharge following tonsillectomy.

2013

- Survey of patients and parents about the pain experience at and after discharge following appendicectomy at Sydney Children's Hospital.

RESEARCH KEYWORDS

Paediatrics
Pain
Information Provision
Role of Family
Psychosocial Factors
Trajectory of Pain

PSYCHOLOGICAL CARE



HEART CENTRE FOR CHILDREN

SUPERVISORS:

- Dr Nadine Kasparian
- Associate Professor Gary Sholler

LOCATION OF PROJECTS:

- Sydney Children's Hospital
- The Children's Hospital at Westmead

PROJECTS AVAILABLE 2016:

Some examples of potential projects for 2016 include:

- Health-related quality of life in children with rare inherited arrhythmia conditions: A survey-based study of their views and experiences.
- Helping children to communicate about their symptoms, outcomes, needs, and experiences during hospitalization for cardiac surgery: A pilot study.
- Grandparents' information and support needs in relation to the Fontan circulation: A needs analysis.
- Development and pilot testing of a tailored, psycho-educational resource for children with complex inherited arrhythmias and their families.
- Development and pilot testing of a tailored, psycho-educational resource for families of children in need of heart transplantation.
- In-depth analysis of the content and process of psychology sessions for melanoma survivors at high risk of developing new primary disease.

A range of other ideas are also currently being worked up for 2016.

Our program can support up to four ILP or Honours students in 2016, with a range of exciting and challenging medical psychology projects available.

DR NADINE KASPARIAN

n.kasparian@unsw.edu.au

Sydney Children's Hospital | The Children's Hospital at Westmead

RESEARCH KEYWORDS

Paediatrics
 Psychosocial Issues
 Congenital Heart Disease
 Perinatal Mental Health
 Postnatal Depression
 Family Support
 Genetics
 Health, Clinical &
 Counselling Psychology
 Cancer Therapy (excl.
 Chemotherapy & Radiation
 Therapy)
 Cardiology (incl.
 Cardiovascular Diseases)
 Developmental Psychology
 & Ageing
 Mental Health
 Cancer Genetics

Dr Nadine Kasparian is an NHMRC Fellow / Senior Lecturer with the Discipline of Paediatrics, School of Women's & Children's Health, UNSW Medicine.

Dr Kasparian is also the Head of Psychology at the Heart Centre for Children.

As Head of Psychology at the Heart Centre for Children, Dr Kasparian leads a team of researchers, clinicians and students committed to excellence in the psychological care of babies and children with medical illness and their families.

Her program focuses on improving child and family outcomes via three streams of work: (1) discovery of factors which contribute to psychological and developmental risk or resilience; (2) trial of novel prevention and early intervention services; and (3) translation of research into clinical practice and policy.

Childhood heart disease is a unique model for the impact of critical illness on children and families, with considerable opportunity to elaborate benefits from research in this group to other settings and populations.

Dr Kasparian's research program is built on a successful history of work in the field of medical psychology. In five years, she has published over 30 peer-reviewed articles, served as a chief investigator on grants totaling over \$6.2 million (total funding \$11.7 million), and developed, trialed and implemented 10 clinical interventions. Across her career, she has mentored more than 40 staff and students, presented at over 100 conferences, and received numerous national and international research awards.

View [Dr. Nadine Kasparian's Research Gateway Profile](#).

ILP / HONS PROJECTS IN 2015

Dr Kasparian has been supervising ILP and Honours students since 2007. Please contact our program for the full list of studies that were offered over this time. The following projects are being undertaken in 2015:

- Exploring the psychosocial and developmental experiences and unmet needs of siblings of children and young people with a Fontan circulation.
- The health and well-being of babies and children with single ventricle congenital heart disease: Through parents' eyes.
- Twenty-five year outcomes of biventricular repair of complete atrioventricular canal defects: An Australian experience.
- A systematic review of the literature on psychological interventions for children who are awaiting, or have undergone, heart transplantation and their families.
- Parents' perceptions of antenatal counselling for congenital anomalies of the kidney and urinary tract.

PUBLICATIONS RESULTING FROM ILP/HONS PROJECTS

Juan AS, Wakefield CE, Kasparian NA, Kirk J, Tyler J, Tucker K. Development and pilot testing of a decision aid for men considering genetic testing for breast and/or ovarian cancer-related mutations (BRCA1/2). *Genetic Testing* 2008; 12(4): 523-532.

Wakefield CE, Juan AS, Kasparian NA (Senior author). Men at increased risk of developing breast cancer: Language preferences for naming a cancer-related mutation. *Genetic Testing & Molecular Biomarkers* 2009; 13(3): 395-98.

Philipson S, Wakefield CE, Kasparian NA (Senior author). Women's knowledge, beliefs and information needs in relation to the risks and benefits associated with use of the oral contraceptive pill. *Journal of Women's Health* 2011; 20(4): 635-642.

Bui T, Wakefield CE, Kasparian NA, Tyler J, Abbott J, Tucker K. Oral contraceptive use in women at increased risk of breast/ovarian cancer: Knowledge and attitudes. *Psycho-Oncology* 2013; 22(1): 228-32.

Kasparian NA, Fidock B, Sholler GF, Camphausen C, Murphy D, Cooper S, Kaul R, Jones O, Winlaw DS, Kirk EP. Parents' perceptions of genetics services for congenital heart disease and the role of sociodemographic, clinical and psychological factors in determining service attendance. *Genetics in Medicine* 2014; 16: 460-8.

McLoone JK, Meiser B, Karatas J, Chau J, Zilliacus E, Kasparian NA (Senior author). Perceptions of melanoma risk among Australian adolescents: Barriers to sun protection and recommendations for improvement. *Australian & New Zealand Journal of Public Health* 2014; 38: 321-5.

RHEUMATOLOGY

SYDNEY CHILDREN'S HOSPITAL | THE CHILDREN'S HOSPITAL AT WESTMEAD

SUPERVISORS:

- Dr Davinder singh-Grewal

LOCATION OF PROJECTS:

- Sydney Children's Hospital
- The Children's Hospital at Westemad

DR DAVINDER SINGH-GREWALdavinder.singhgrewal@health.nsw.gov.au

Sydney Children's Hospital | The Children's Hospital at Westmead

RESEARCH KEYWORDS

Paediatrics

Rheumatology

Arthritis

Musculoskeletal Diseases

Kawasaki Disease

Dr Davinder Singh-Grewal is a Conjoint Senior Lecturer with the Discipline of Paediatrics, School of Women's & Children's Health. He is appointed as staff specialist, paediatric rheumatologist at all three children's hospitals in New South Wales – Sydney Children's Hospital, The Children's Hospital at Westmead, and the John Hunter Children's Hospital in Newcastle along with Liverpool Hospital in South Western Sydney.

Dr Singh-Grewal has over 10 years experience in the management of children with rheumatic diseases.

Dr Singh-Grewal has a strong research background with over 20 publications in peer reviewed journals and numerous ongoing research projects in the field of paediatric rheumatology. He has completed a PhD in the field of Juvenile Arthritis and also a Masters in Medical Science.

Dr Singh-Grewal is also a Clinical Senior Lecturer at the University of Sydney and the University of Western Sydney.

PAST ILP / HONS PROJECTS

2014

- Clinical and laboratory features in Kawasaki Disease when compared to matched febrile children with alternate diagnoses

OTHER SUPERVISORS

Below is a list of Discipline of Paediatrics Supervisors who are listed on the Medicine website but aren't profiled in this document.

View their profiles on the UNSW Research Gateway: <https://research.unsw.edu.au/>

Cancer	Dr Jamie Fletcher Dr Michelle Henderson Dr Jenny Wang	jfletcher@ccia.org.au mhenderson@ccia.org.au jwang@ccia.org.au
Cardiology	Dr Christoph Camphausen	ckc@unsw.edu.au
Endocrinology	Dr Charles Verge	c.verge@unsw.edu.au
Neonatology	A/Prof Kei Lui	kei.lui@sesiahs.health.nsw.gov.au
Neurology Neuroscience	Prof David Laing Dr John Lawson	d.laing@unsw.edu.au john.lawson@health.nsw.gov.au
Respiratory	Dr Yvonne Belessis	yvonne.belessis@sesiahs.health.nsw.gov.au
Surgery Dermatology	Dr Susan Adams A/Prof Orli Wargon	susan.adams@unsw.edu.au orli.wargon@sesiahs.health.nsw.gov.au

