Discipline of Paediatrics
ILP / Honours Information
For students commencing in 2017

Never Stand Still
Medicine
Women’s & Children’s Health

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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 23rd March 2016, below is the programme of speakers for your reference.

You can also access slides from the evening on our website.

### INFORMATION EVENING

**WELCOME**

5:30PM  Dr Sean Kennedy | Director of Education & Senior Lecturer  
Discipline of Paediatrics, School of Women’s & Children’s Health, UNSW Medicine

**POPULATION HEALTH**

5:35PM  **Community Child Health**  
Dr Susan Woolfenden  
(Also representing: Conjoint A/Prof Karen Zwi)

5:40PM  **Neonatology**  
Conjoint A/Prof Juliee Oei  
Dr Timothy Schindler

5:50PM  **Pain Medicine**  
Ms Theresa Donnelly  
(Also representing: Conjoint A/Prof David Champion, Dr Tiina Jaaniste, & Dr Jordan Wood)

**CANCER**

5:55PM  **Behavioural Sciences Unit - Kids Cancer Centre**  
A/Prof Claire Wakefield  
(Also representing: Conjoint Prof Richard Cohn, Dr Joanna Fardell, Dr Jordana McLoone, Dr Ursula Sansom-Daly, Ms Jennifer Cohen, Ms Brittany McGill)

6:00PM  **Onco-Fertility**  
Ms Eden Robertson  
(Also representing: Dr Antoinette Anazodo, Dr Shanna Logan, & Mrs Brigitte Gerstl)

**NON-COMMUNICABLE DISEASES**

6:05PM  **Gastroenterology**  
Dr Steven Leach  
(Also representing: Conjoint A/Prof Daniel Avi Lemberg & Dr Usha Krishnan)

6:10PM  **Nephrology**  
Dr Sean Kennedy  
(Also representing: Dr Fiona Mackie & Dr Hugh McCarthy)

6:15PM  **Endocrinology**  
Prof Maria Craig  
(Also representing: Prof Bill Rawlinson & Dr Ki Wook Kim)

**GENOMICS & RARE DISEASES**

6:20PM  **Medical Psychology - Heart Centre for Children**  
A/Prof Nadine Kasparian  
(Also representing: Dr Michelle McEltuff, Dr Yishay Orr, Ms Claudia Nielsen-Jones, & Ms Laura Mitchell)

**FAIRFIELD HOSPITAL**

6:25PM  **Emergency | Ambulatory Care | General Paediatrics**  
Dr Nicholas Cheng  
(Also representing: Dr Laurence McCleary)

**LIVERPOOL HOSPITAL**

6:30PM  **Neonatology**  
Dr Lynn Sinclair  
(Also representing: Dr Robert Guarneri)
More information can be found on the UNSW Medicine programme [website](#).

**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. For example, “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.

**KEY DATES FOR 2017 ILP / HONS COHORT**

- **MARCH 2016**
  - Project negotiation process commences.
  - UNSW Medicine ILP Information Session.
- **20 JUNE 2016**
  - Due Date for ILP Application Form.
  - Due Date for Honours Application Form.
- **16 AUGUST 2016**
  - ILP Student Form will be available on eMed.
  - Allocated ILP projects will be listed on eMed for students to browse and select.
- **29 AUGUST 2016**
  - Due Date for ILP Student Form.
- **OCTOBER 2016**
  - Allocation emails will be sent to students / supervisors.
- **13 FEBRUARY 2017**
  - ILP / Honours commencements.

More information can be found on the UNSW Scholarships [website](#).

**SCHOLARSHIPS**

**ILP**

- **Adele and Gildo Pegojaro Award**
  - Honours or ILP in the field of Paediatrics.
  - Value: $2,000
- **Bainaves Foundation Indigenous Medical ILP Award**
  - For ILP’s relevant to Indigenous health.
  - Value: $2,500
- **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 John Hopkins Medicine, located at the Johns Hopkins University in Baltimore Maryland, USA.
  - Value: $5,000
- **Dr Peter Campbell Perinatology ILP Award**
  - For ILP’s relevant to Perinatology.
  - Value: $6,000
- **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
- **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
- **Nura Gilli Award**
  - Aims to support Indigenous students by providing additional financial support.
  - Value: $5,000
- **Skilled Medical Award for the Advancement of Indigenous Health**
  - This award is to recognise Indigenous students who have demonstrated a commitment and contribution to advancing positive health outcomes in their local community or more broadly in Indigenous communities. This could include, but is not limited to, volunteer work, program development, project leadership or academic research.
  - Value: $5,000
- **Una and Harley Wood Award for Indigenous Students**
  - Established to encourage Indigenous students to undertake and achieve success in study in the undergraduate medicine program in the Faculty of Medicine at UNSW.
  - Value: $5,000

**HONOURS**

- **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 John Hopkins Medicine, located at the Johns Hopkins University in Baltimore Maryland, USA.
  - Value: $5,000
- **David Walsh Memorial Scholarship**
  - For students undertaking Honours projects in developmental biology, genetics or biochemistry, and their relationship to birth defects.
  - Value: $1,400
- **Hazel Morris Award in Medicine**
  - For students undertaking Honours.
  - Value: $1,000
- **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
- **Mary Edna Quinn Scholarship**
  - For students undertaking Honours.
  - Value: $4,000
- **Nura Gilli Award**
  - Aims to support Indigenous students by providing additional financial support.
  - Value: $5,000
- **Rose Ling Lang Award in Medicine**
  - For students undertaking Honours projects in developmental biology, genetics or biochemistry, and their relationship to birth defects.
  - Value: $1,400
- **Skilled Medical Award for the Advancement of Indigenous Health**
  - This award is to recognise Indigenous students who have demonstrated a commitment and contribution to advancing positive health outcomes in their local community or more broadly in Indigenous communities. This could include, but is not limited to, volunteer work, program development, project leadership or academic research.
  - Value: $5,000
- **Una and Harley Wood Award for Indigenous Students**
  - Established to encourage Indigenous students to undertake and achieve success in study in the undergraduate medicine program in the Faculty of Medicine at UNSW.
  - Value: $5,000
ILP AWARDS

The Discipline of Paediatrics ILP Awards are scheduled for mid-November each year.
More information will be available on the School of Women's & Children's Health website in August.
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.
All students are encouraged to come along and watch the presentations.

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, for example the 2017 winner will receive the award in 2018.
The winner will also be asked to present their Honours research during UNSW Paediatric Research Week of the awarding year.
LOCATION OF PROJECTS:
- Sydney Children’s Hospital
- The Children’s Hospital at Westmead
- Lowy Building, UNSW Kensington Campus

PROJECTS AVAILABLE 2017:
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 and other resources for parents considering nutrition therapy 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.

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

PAST ILP / HONS PROJECTS
2016
- Investigating health literacy and healthcare experiences among adolescents and young adults (AYAs) with cancer, and parents of children with cancer.
- Cognition and social cognition after childhood cancer.
- The psychosocial impact on children and their families when a child with cancer is offered genetic testing for cancer predisposition.

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.

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

SUPERVISORS:
- Associate Professor Claire Wakefield
- Conjoint Professor Richard Cohn
- Dr Joanna Fardell
- Dr Jordana McLoone
- Dr Ursula Sansom-Daly
- Ms Jennifer Cohen
- Ms Brittany McGill

A/PROF CLAIRE WAKEFIELD
Claire Wakefield is an Associate Professor 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.

A/Prof Wakefield is holds a Career Development Fellowship from the National Health and Medical Research Council (NHMRC).

A/Prof 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

She has a particular interest in the psychological implications of cancer genetics in paediatric oncology. A/Prof Wakefield has published, or had accepted, more than 75 journal articles and is named as Chief Investigator on competitive research grants totalling more than $11 million.

View Dr. Wakefield’s Research Gateway Profile.

View A/Prof Wakefield’s Research Gateway Profile.
1. Sansom-Daly, U.M., Lin, M., Robertson, E.G., Wakefield, C.E., McGill, B.C., Girgis, A., Cohn, R.J. Health literacy in adolescents and young adults: An updated review. Accepted by Journal of Adolescent and Young Adult Oncology, 31st December, 2015.


4. Wakefield, C.E., McLoone, J.K., Evans, N.T., Ellis, S.J., Cohn, R. J. It’s more than dollars and cents: The impact of childhood cancer on parents’ occupational and financial health. Accepted by Journal of Psychosocial Oncology, 28th April 2014. WJPO-14-0027.


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

View Dr Joanna Fardell's Research Gateway Profile.

Past ILP / Hons Projects:
2016
- Cognition and social cognition after childhood cancer

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 has previously supervised an Honours student, 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

View Ms Jennifer Cohen's Research Gateway Profile.

Past ILP / Hons Projects:
2016
- Pilot testing of a nutrition decision aid for paediatric patients
- Development and pilot testing of a new decision aid to assist parents considering enteral nutrition for their child

Publications resulting from ILP/Hons Projects
Dr Antoinette Anazodo is a Paediatric and Adolescent Oncologist, Director of the Sydney Youth Cancer Service, and NSW Lead for Youth Cancer in NSW and ACT. Dr Anazodo trained in Paediatric & Adolescent Oncology in the UK receiving a Teenage Cancer Trust Scholarship in 2006 at the Middlesex Hospital Teenage Cancer Unit in 2006. Dr Anazodo completed a postgraduate diploma in Adolescent Oncology and then completed her fellowship in Adolescent Oncology at Sydney Children’s Hospital in 2009.

Dr Anazodo is recognised in Australia has one of the leaders in the care of Adolescent Young Adult (AYA) patients. Dr Anazodo has set up the Sydney Youth Cancer Service, which is a collaborative service across both Sydney Children’s and Prince of Wales Hospital. Her appointment has provided patients with access to both appropriate age and tumour specific treatment and an increasing number of research studies.

Dr Anazodo is the lead clinician of the Future Fertility research group whose research portfolio covers medical, psychological and biological research in reproductive in cancer patients. Dr Anazodo has lead to the creation of the world first international oncofertility registry, which also has a number of associated oncofertility research studies. Dr Anazodo has championed the rights of consumers in oncofertility care by setting up the Australasian Oncofertility Consumer Group and worked with this group in the development of the Australasian Oncofertility Charter, which is currently being used to benchmark oncofertility care.

Dr Anazodo set up the Australasian Oncofertility Consortium in 2014, which has members across Australia and New Zealand interested in the development of oncofertility care and research. Members of this group regularly collaborate with the international oncofertility consortiums. Dr Anazodo’s has led a national consultation on the inclusion of Medicare item numbers for seven new oncofertility item numbers.

Dr Anazodo has received a number of awards in the last two years for her work- Champions Award Prince of Wales Hospital, Pride of Australia award in 2015, Churchill Fellowship in 2015 and nominated for Women of the Year in February 2016 for her work on reproductive concerns in cancer patients.

PAST ILP / HONS PROJECTS:
2016
- Cumulin as a novel biomarker for monitoring ovarian reserve in patients undergoing chemotherapy
- Gonadotoxic effects of new and novel agent

POTENTIAL PROJECTS AVAILABLE FOR 2017:
A maximum of two projects out of this list to be supervised by Dr Anazodo
1. Adoption and fostering opportunities in survivors of cancer therapy.
2. An evaluation of the first 10 years of the Reproductive Survivorship Clinic Hypothesis.
3. Reproductive concerns and sexual dysfunction in Childhood Cancer Survivors.
4. Reproductive concerns of Indigenous Cancer patients.
5. Health literacy of AYA undertaking fertility preservation consultations/procedures.
6. Reproductive information needs of adolescent cancer survivors- assessing what reproductive information AYA patients have, what questions remain unanswered, their viewpoint on how acquiring reproductive information could be made easier etc.
7. Satisfaction of adolescent cancer patients with clinician-patient interactions when discussing reproductive concerns – assessing satisfaction with and perceived quality of communication.
Dr Shanna Logan is a Clinical Psychologist Registrar and Research Psychologist for the FUTuRE Fertility Psychological Health Study at the Kids Cancer Centre, Sydney Children’s Hospital.

Dr Logan completed an undergraduate degree in a Bachelor of Science (Psychology) and Bachelor of Arts majoring in Anthropology at the Australian University in 2008. She was awarded first class honours for a Bachelor of Science (Psychology) in 2010, with her research investigating intrusive memory formation after traumatic stimuli. Dr Logan completed all components of a Doctor of Clinical Psychology degree at the University of Sydney in 2013 and gained general registration as a psychologist within Australia in 2014.

As part of this training clinical placements were undertaken at the Bankstown Anxiety Clinic, Pediatric Oncology at Westmead Hospital and the Service for the Treatment and Rehabilitation of Torture and Trauma Survivors (STARTTS). Currently Dr. Logan also works part time at a private practice specializing in the assessment and treatment of mood and anxiety disorders. She has training and experience in delivering Cognitive Behavioural Therapy (CBT), Acceptance and Commitment therapy (ACT), Dialectical Behavioural Therapy (DBT), Schema Therapy and mindfulness based approaches.

Dr Logan completed a PhD in 2016, investigating intercultural communication and ethnic minority patient’s engagement with health services. She has published manuscripts as a first author in peer reviewed journals, including: Transcultural Psychiatry, Journal of Cross-Cultural Communication, Cross-Cultural Communication, Australian Journal of Psychology and Behaviour Therapy and Experimental Psychiatry. She has also presented research both nationally and internationally at conferences within Australia, Norway and Italy. Dr Logan also has experience working on longitudinal research projects and held a position at the Bondi Junction Community Health Centre from 2011-2014, investigating attenuated psychosis symptoms and risks for transition to psychotic illness in adolescents and young adults.

POTENTIAL PROJECTS AVAILABLE FOR 2017:

A maximum of two projects out of this list to be supervised by Dr Shanna Logan

1. Psychological health help-seeking behaviour and its relationship to reproductive concerns in AYA patients – assessing the relationship between health help-seeking behaviours and level of psychological distress (using Reproductive concerns scale, Impact of event scale and Attitudes toward seeking professional psychological help scale).
3. The influence of culture/ethnic identity on reproductive concerns in adolescent cancer patients: assessing how reproductive concerns may be influenced/related to cultural views of health/illness/reproduction help by adolescent cancer patients and / or their families.

Ms Eden Robertson is a researcher at the Behavioural Sciences Unit and PhD Candidate at the University of New South Wales. She currently holds a Psychology Honours degree from Macquarie University. For the past two years, Eden has been the study coordinator of two nationwide multi-site clinical trials aimed at improving the quality of life for adolescent and young adult cancer survivors, and parents of paediatric cancer survivors. She has vast experience running both qualitative and quantitative studies, having published several papers in the field, and having presented at numerous conferences. She is currently the co-leader of the Psycho-oncology Cooperative Research Group Adolescent and Young Adult Group. Eden is also a co-mentor of the ILP program at the Behavioural Sciences Unit under the supervision of A/Prof Claire Wakefield, in which she is able to provide feedback and support to the current students at the unit.

Eden is now undertaking her PhD through the Faculty of Medicine, School of Women’s and Children’s Health which aims to develop and evaluate a decision aid for families considering enrolment in a paediatric oncology clinical trial. She is supported through a competitive scholarship through a paediatric oncology clinical trial.

POTENTIAL PROJECTS AVAILABLE FOR 2017 (CO-SUPERVISOR):

1. Adoption and fostering opportunities in survivors of cancer therapy – to assess the challenges that cancer survivors have with adopting and fostering in Australia and internationally, to document information available to cancer survivors about adoption and fostering, and to document cancer survivors views and experiences with adopting and fostering.
2. Health literacy of AYA undertaking fertility preservation consultations/procedures – assessing levels of health literacy of young people regarding fertility preservation and where knowledge lacks.
3. Reproductive information needs of adolescent cancer survivors- assessing what reproductive information AYA patients have, what questions remain unanswered, their viewpoint on how acquiring reproductive information could be made easier etc.

PUBLICATIONS RESULTING FROM ILP/HONS PROJECTS


Dr Brigitte Gerstl is an epidemiologist and holds a Masters Degree in Public Health, majoring in epidemiology and biostatistics from the University of New South Wales. Brigitte is the National Project Manager for the FUTURE Fertility study research group. Brigitte’s research interests include: paediatric oncology, oncofertility, international women’s and children’s health and sexual and reproductive health in Aboriginal communities.

PAST ILP / HONS PROJECTS:

2016

- Cumulin as a novel biomarker for monitoring ovarian reserve in patients undergoing chemotherapy

POTENTIAL PROJECTS AVAILABLE FOR 2017 (CO-SUPERVISOR):

1. Adoption and fostering opportunities in survivors of cancer therapy
2. Reproductive concerns and sexual dysfunction in Childhood Cancer Survivors
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

SUPERVISORS:
• Professor Maria Craig
• Professor Bill Rawlinson
• Dr Ki Wook Kim
• Professor Kim Donaghue

ENDOCRINOLOGY

NON-COMMUNICABLE DISEASES

PAST ILP / HONS PROJECTS:
2016
• The Epidemiology of Childhood Diabetes in NSW and ACT – a 25 year study

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.

PUBLICATIONS RESULTING FROM ILP/HONS PROJECTS

Professor Maria Craig is a Professor with the School of Women’s & Children’s Health.
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).

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.


Dr Daniel (Avi) Lemberg is Head of Paediatric Gastroenterology at Sydney Children's Hospital and conjoint Associate Professor of the School of Women's & Children's Health, UNSW Medicine. He has extensive experience in paediatric inflammatory bowel conditions and is committed to translational and clinical research together with teaching. Through his research studies and clinical work, A/Prof Lemberg has a strong understanding of the pathogenetic mechanisms that underlie the current theories of the causes of the progression of the inflammatory response that results in the phenotypic expression defined as Crohn’s Disease. As such, A/Prof Lemberg is becoming increasingly recognised as a specialist in the field.

In the field of Inflammatory Bowel Disease (IBD) and intestinal microbiota research, A/Prof Lemberg has vast clinical and research experience and has made significant contributions in the management of children and adolescents with IBD. In particular, A/Prof Lemberg has expert knowledge in the evaluation and value of treatments such as exclusive enteral nutrition and probiotics in children with IBD, both at the research and clinical application levels.

In addition to the translational studies defined above A/Prof Lemberg has a clinical research interest in IBD, Coeliac disease and Eosinophilic Oesophagitis (EoE) and examining clinical trends in patients with these illnesses. Data collected in EoE described the first report of subepithelial fibrosis in these children. More studies on clinical characteristics of these groups of children and response to treatment regimens are ongoing.

View [Conjoint A/Prof Daniel Lemberg](mailto:daniel.lemberg@health.nsw.gov.au)’s Research Gateway profile.

**PAST ILP / HONS PROJECTS**

**2016**
- Outcome of children with Inflammatory Bowel Disease undergoing surgical intervention
- Investigate 6-MMP and TGN and how these can be correlated with patients outcomes using proxy outcome measures

**2015**
- IBD and use of methotrexate as maintenance treatment
- A randomised controlled trial to test method of supplementation and effect on disease activity of vitamin D supplementation in paediatric inflammatory bowel disease
- Role of non-invasive inflammatory markers in the management of children with Crohn Disease

**2014**
- Vitamin D supplements in paediatrics inflammatory bowel disease remission: A randomised controlled trial.

**2013**
- Consequences of Campylobacter concisus status
- Eosinophilic oesophagitis and coeliac disease

**PUBLICATIONS RESULTING FROM ILP/HONS PROJECTS**

Dr Steven Leach is a Research Fellow in the School of Women’s & Children’s Health in the Faculty of Medicine, UNSW. Dr Leach specialises in the area of Inflammatory Bowel Disease research. His area of expertise is in nutritional treatments of Inflammatory Bowel Disease, intestinal microbiota analysis and their contribution to disease and intestinal and faecal markers of inflammation. Additional areas of interest are the development of the intestinal microbiota community on newborn infants and how nutrition and the intestinal microbiota contribute to health and disease.

PAST ILP / HONS PROJECTS

2016
- Novel anti-inflammatory molecules. Investigate novel anti-inflammatory molecules and combination of molecules to look for new treatments for IBD.
- Exhaled breath condensate (EBC) pepsin as a marker of reflux aspiration in children with repaired Oesophageal atresia (OA)

2015
- A Randomised Controlled Trial to Test Method of Vitamin D Supplementation and Effect on Disease Activity in Paediatric Inflammatory Bowel Disease
- The value of biomarkers in predicting escalation to TNF-blocking therapy or surgery in children with Crohn’s Disease, and the potential for a multivariate predictive panel
- Methotrexate in the maintenance of paediatric IBD

2014
- Tacrolimus Use in Inflammatory Bowel Disease

2013
- Impact of Campylobacter concisus on Paediatric Inflammatory Bowel Disease
- Eosinophilic Oesophagitis and Coeliac Disease

PUBLICATIONS RESULTING FROM ILP/HONS PROJECTS


(b) Books and/or Chapters in Books


(c) Abstracts


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.


PRESENTATIONS BY/WITH ILP STUDENTS

Oral Presentations at Meetings:


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.

Pacific Association of Pediatric Surgeons Conference, NSW, Australia 7-11 April 2013.

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

2016
• Quality of Life post fundoplication in children
• Exhaled breath condensate (EBC) pepsin as a marker of reflux aspiration in children with repaired Oesophageal atresia (OA)

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


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

RESEARCH KEYWORDS:
- Paediatrics
- Nephrology
- Urology
- Renal
- Acute Kidney Injury
- Tuberous Sclerosis
- Genetics
- Adolescent Health

Nephrology

Non-Communicable Diseases

Supervisors:
- Dr Sean Kennedy
- Dr Fiona Mackie
- Dr Hugh McCarthy

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 and Dr Fiona Mackie have 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 2017:
- 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.

Past ILP/Hons Projects

2016
- Levamisole use in childhood Nephrotic Syndrome

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

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
LOCATION OF PROJECTS:
• Sydney Children's Hospital
• Liverpool, Croydon, & Camperdown

RESEARCH KEYWORDS:
Paediatrics
Autism Spectrum Disorder
Health Services Research
Indigenous Health
Refugee Health
Child Protection
Public Health
Socio-Economic Disadvantage & Health
Disparity
Childhood Disability
Child Abuse
Screening & Immunisation

SUPERVISORS:
• Conjoint Associate Professor Karen Zwi
• Conjoint Associate Professor John Eastwood
• Dr Susan Woolfenden

EXEMPLARY OF PROJECTS AVAILABLE IN 2017:
• Aboriginal Health
• Child Development
• Prioritising Vulnerable Children and measuring Inequalities in Child Health
• Refugee Health
• Child Injury
• 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
• Spatial Epidemiology
• Multilevel Epidemiology Studies
• New and existing Longitudinal Studies
• School Health
• Health Pathways
• Perinatal Care Conferencing
• Sexual Health

EXAMPLES OF PROJECTS AVAILABLE IN 2017:
• Aboriginal Health
• Child Development
• Prioritising Vulnerable Children and measuring Inequalities in Child Health
• Refugee Health
• Child Injury
• 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
• Spatial Epidemiology
• Multilevel Epidemiology Studies
• New and existing Longitudinal Studies
• School Health
• Health Pathways
• Perinatal Care Conferencing
• Sexual Health

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
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

2016
- In children aged 17 to 23 months in a population cohort, what is the prevalence of a difficult temperament and associated biological, parental, and family risk factors

2015
- Retrospective File Review of Screening Services and Follow-Up in CALD families

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

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 won 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

POTENTIAL PROJECTS AVAILABLE IN 2017:

**Pain Capillary Refill Time Modification in Neonates – the PACMaN Study**

- Capillary Refill Time is used as a semi-quantitative sign to assess shock
- There is poor validation of CRT, especially in the presence of pain
- The PACMaN study will use video to determine if it changes CRT after cannulation
- Study type: Randomised controlled trial, clinical
- Status: Ethics cleared, awaiting commencement

**Standards for Telemedicine: Image Resolution and Compression – the STIRC Study**

- There is widespread use of photographs in diagnosis, including in burns
- There is no published evidence-base to describe the standard for photographs
- The STIRC Study will use randomised images of different compression and resolution to determine the minimum requirements of each in the accuracy of diagnosis of burn extent and depth
- Study Type: Randomised controlled trial, clinical
- Status: Ethics approval in writing stage
Dr Julee Oei is a Neonatologist at the Royal Hospital for Women (RHW) and the Sydney Children’s Hospital, Conjoint Associate Professor of Paediatrics at the University of New South Wales, and Honorary Associate Professor, NHMRC Clinical Trials Centre, University of Sydney. I am also Chair of the Perinatal Substance Use Special Interest Group of Australia and New Zealand. I have established research partnerships with nationally and internationally renowned researchers, including the National Drug and Alcohol Research Centre, Australia, the Lambert Initiative, Australia and the National Institute of Drug Addiction, USA. I have been invited to speak on more than 40 occasions in the last 5 years on perinatal drug use and other aspects of neonatal care in Australia and overseas. I supervised and co-supervised more than 100 undergraduate, postgraduate and professional trainees. Several of my students have won prizes including the best Honours thesis for the School of Paediatrics and best presentations at scientific national meetings. At least 50-75% of my students will present their work in conferences and see their project through to publication.

My main areas of research interest are in:

1. The use of oxygen in preterm infant resuscitation. I lead a multinational collaborative group (The HOLISTIC (Higher Or Lower oxygen and Infant Saturation Targeting: International Collaboration) that has NHMRC funding to conduct an international study in this topic.
2. Epidemiology to evaluate long-term outcomes for children of NSW (the LINC group: Long-term outcomes of Infants of NSW to Childhood and Beyond). This is a collaboration between more than 25 multidisciplinary researchers from NSW looking at the outcomes to adolescence of more than 1.6 million children born in NSW. The project has supported and mentored cross-discipline projects from 3 PhD students and >20 undergraduate research students.
3. Neonatal abstinence syndrome. I am the lead of the NAS group which focuses on the effects of maternal drug use disorders on childhood outcomes. Collaborators are from universities and hospitals in almost every Australian state, from the National Institutes of Health (US), the University of Edinburgh, Thailand and New Zealand. I have organized and chaired 4 international conferences in perinatal drug use, and been invited to speak internationally. The outcomes of the work from this group has informed on state, national and international guidelines on neonatal abstinence syndrome and perinatal drug use.

View Conjoint A/Prof Julee Oei’s Research Gateway profile.

PAST ILP / HONS PROJECTS

2016
- Magnetic acupuncture and pain relief in the neonatal intensive care unit
- Influence of maternal ethnicity on long-term outcomes of children after neonatal intensive care
- What happens to mothers of babies with neonatal abstinence syndrome?
- School performance of babies with neonatal abstinence syndrome
- What happens to babies of mothers with drug-use disorders?

2015
- Childhood hospitalization and school performance after burn injuries (ANZBAR Prize, 2015)
- Relationship between prematurity and later cancer development
- Use of Near Infra-red Spectroscopy in the neonatal ICU
- Childhood hospitalizations of babies with trachea-oesophageal fistula
- Outcomes of children with neonatal supraventricular tachycardia

2014
- Childhood hospitalizations of children with Neonatal Abstinence Syndrome (NAS), School performance of children with NAS, Childhood deaths after NAS, Epidemiological trends of NAS (Margaret Dance Prize, 2014)
- MR Spectroscopy of infants of opioid using mothers (Peter Campbell Scholarship 2014)
- Outcomes of extremely preterm babies with 0 Appgars
- Mental and behavioral health issues of children of NSW
- Neurodevelopmental outcomes of growth restricted babies 2013
- MRI findings of children of opioid users. Finalist in UNSW Pediatric Research Week, 2013
- Management of amphetamine-users. A clinician survey
- Management of amphetamine users – a medical record search.

PUBLICATIONS RESULTING FROM ILP/HONS PROJECTS
Dr Timothy Schindler is a Conjoint Associate Lecturer with the School of Women’s & Children’s Health and Staff Specialist Neonatologist with the Royal Hospital for Women.

Dr Schindler is also completing his PhD under the supervision of Professor Alec Welsh. The title of his thesis is “Fractional moving blood volume (FMBV) in the neonate”.

Dr Schindler’s research interests in neonatology include neonatal haemodynamics and cerebral blood flow.

PAST ILP / HONS PROJECTS

2015
- Cerebral oxygenation as measured by Near Infrared Spectroscopy (NIRS) in the neonatal intensive care environment
- 3D power Doppler ultrasound imaging in measuring neonatal cerebral blood flow

2014
- Transfusion associated Necrotising Enterocolitis (NEC) following the introduction of a new enteral feeding regime

2013
- Evaluation of neonatal cerebral perfusion using the index fractional moving blood volume

PUBLICATIONS RESULTING FROM ILP/HONS PROJECTS

5. Arander K, Schindler T, Bolisetty S. Transfusion associated necrotising enterocolitis (TANEC) following the introduction of a new enteral feeding regime. PSANZ presentation 2015

POTENTIAL PROJECTS AVAILABLE IN 2017:

2-3 ILP projects available for 2017. Projects will be tailored to the interests of the prospective student.
Dr Lynn Sinclair previously held senior nursing roles in NICUs and the Newborn and paediatric Emergency Transport Service (NETS) in NSW. Since 2012, she has held the position of Clinical Nurse Consultant – Newborn Services at the NSW Pregnancy and newborn Services Network. This role is under the auspices of both the Sydney Children’s Hospital Network and the Ministry of Health’s Office of Kids and Families.

She holds/has held numerous local, LHD, statewide, national and international advisory committee roles and is the current secretary and policy committee chair of the Perinatal Society of Australia and New Zealand (PSANZ), steering committee member of the society’s Interdisciplinary Maternal Perinatal Australasian Collaborative Trials (IMPACT) Network and Consumer Advisory Panel.

Lynn is also a member of a lead Human Research Ethics Committee and the SCHN Scientific Advisory Committee.

Awarded PhD in 2013 from the University of Technology, Sydney.

Current research includes:

- Parents’ experience of extremely preterm birth
- Feeding outcomes following extremely preterm birth
- Neonatal nurses knowledge of the outcomes of their care

PAST ILP / HONS PROJECTS

2016
- Improving Parents understanding of extremely preterm infant Outcomes Data (POD) Study 2

2015
- Improving Parents understanding of extremely preterm infant Outcomes Data (POD)

PUBLICATION RESULTING FROM ILP/HONS PROJECTS

No publications as work yet to be completed.

Conference Presentations:

- Perinatal Society of Australia and New Zealand Annual Congress, Townsville, 2016
- Westmead International Update on Advances in Neonatal Care, Sydney 2015
- Ingham Institute 10th Annual Research and Teaching Showcase, Sydney, 2015

POTENTIAL PROJECTS AVAILABLE FOR 2017

- Decision making at the margins of viability
- Families in the NICU
- Utilising clinical data for quality improvement
- Translational research to improve neonatal health outcomes
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 2017:
Examples:
2. Paediatric Post-surgical Discharge Outcomes & Information provision
3. Paediatric Chronic Pain
   - Understanding sleep & fatigue in paediatric chronic pain patients.
   - Somatosensory testing in paediatric chronic pain patients
4. Twin studies & chronic paediatric pain

RESEARCH KEYWORDS:
- Paediatrics
- Pain Information Provision
- Role of Family
- Psychosocial Factors
- Trajectory of Pain

SUPERVISORS:
- Conjoint Associate Professor David Champion
- Dr Tina Jaaniste
- Dr Jordan Wood

CO-SUPERVISORS:
- Ms Theresa Donnelly
- Dr Meg Goodison-Farnsworth
- Ms Marianne McCormick
- Mr Dave Anderson

PAST ILP / HONS PROJECTS
2016
- Self-report measures of pain intensity for 3 to 6 year old children
2015
- Paediatric Dysmenorrhea: Genetic risk and Associations with common pain disorders, Restless Legs Syndrome, Iron Deficiency and Anxious Depression
- Paediatric Attention Deficit Hyperactivity Disorder: Genetic risk and associations with common pain disorders, Restless Legs Syndrome, Iron Deficiency
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.
- 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.

PUBLICATIONS RESULTING FROM ILP/HONS PROJECTS
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

2016
• Self-report measures of pain intensity for 3 to 6 year old children
• Post-discharge pain outcomes following paediatric short-stay appendicectomy and tonsillectomy: predictors of post-discharge pain and functional outcome
• Post-discharge pain outcomes following paediatric short-stay appendicectomy and tonsillectomy: investigating the pain trajectory

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.

2013
• Somatosensory testing in children and adolescents with chronic pain disorders. Somatosensory testing in children and adolescents with chronic pain disorders.

PUBLICATIONS RESULTING FROM ILP/HONS PROJECTS


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 / HONS PROJECTS

2016
• Post-discharge pain outcomes following paediatric short-stay appendicectomy and tonsillectomy: predictors of post-discharge pain and functional outcomes
• Post-discharge pain outcomes following paediatric short-stay appendicectomy and tonsillectomy: investigating the pain trajectory

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.
A/Prof Nadine Kasparian is Senior Research Fellow in Medical Psychology in the School of Women’s & Children’s Health, UNSW Medicine and is also Head of Psychology at the Heart Centre for Children. Here in 2010, under the auspices of the Sydney Children’s Hospitals Network and UNSW, A/Prof Kasparian established the Asia Pacific’s first integrated psychology research program and clinical service dedicated to childhood heart disease.

A/Prof Kasparian’s research focuses on improving the health and well-being of children, adults and families affected by heart disease or other critical or chronic illnesses. Her multidisciplinary team of researchers and clinicians lead projects to:

- Discover factors that contribute to risk & resilience in medical settings
- Develop cost-effective interventions to improve health & well-being
- Understand experiences of new technologies
- Build resilient teams in medicine & psychology
- Rapidly translate evidence into practice & policy

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. A/Prof Kasparian’s research program is built on a successful history of work in the field of medical psychology. In five years, she has published or had accepted for publication - 122 journal articles, abstracts and book chapters, and 10 evidence-based interventions. She has a career total of over $17 million in competitive research funding. 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.

PAST ILP / HONOURS PROJECTS

2016:
- Development and pilot testing of a tailored, psycho-educational resource for parents of children with complex inherited arrhythmias.
- Health-Related Quality of Life in Children with Rare Inherited Arrhythmia Conditions: A Cross-sectional Survey Study.
- Empowering Children, Changing Care.

2015:
- Developmental, educational and psychosocial outcomes amongst 8 year old children following major surgery in infancy: A focus on the role of attachment.
- Twenty-Five Year Outcomes of Biventricular Repair of Complete Atioventricular Canal Defects: An Australian Experience.
- Exploring the experiences and needs of adolescent siblings of children with a Fontan circulation.
- Parental Perceptions of Antenatal Counselling for Congenital Anomalies of Kidney and Urinary Tract

PUBLICATIONS RESULTING FROM ILP/HONS PROJECTS


RESEARCH KEYWORDS:
- Paediatrics
- Neurology
- Neuromuscular Disorders
- Neurodegeneration
- Neurophysiology
- Spinal Muscular Atrophy

SUPERVISORS:
- Dr Michelle Farrar
- Dr Michael Cardamone
- Dr Alexandra Johnson
- Dr Hugo Sampaio

LOCATION OF PROJECTS:
- Sydney Children’s Hospital

Dr Michelle Farrar is a Senior lecturer in Paediatric Neurology in the School of Women’s and Children’s Health, UNSW Medicine 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
2016
- Parental perception of efficacy and tolerability of the ketogenic diet for children with intractable epilepsy

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.
**LIVERPOOL HOSPITAL**

**FAIRFIELD HOSPITAL**

**SUPERVISORS:**

**LIVERPOOL**
- Conjoint A/Prof John Eastwood (see page 39)
- Dr Robert Guarani (see page 47)
- Dr Lynn Sinclair (see page 48)

**FAIRFIELD**
- Dr Nicholas Cheng (see page 41)
- Dr Laurence McCleary

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**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).

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**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 for further information regarding the EYRG or the Maternal and Child Health Outcomes.

More information can be found on the Ingham Institute’s [website](#).
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.

### OTHER SUPERVISORS

**Endocrinology**  
Conjoint A/Prof Charles Verge

**Infectious Diseases**  
Dr Brendan McMullen  
Conjoint A/Prof Pam Palasanthiran

**Neurology**  
Conjoint Prof David Laing  
Dr John Lawson

**Respiratory**  
Dr Yvonne Belessie

**Surgery**  
Dr Susan Adams

**Dermatology**  
Conjoint A/Prof Orli Wargon