

Healthy Development Adelaide

A Research and Innovation Cluster in South Australia

Newsletter

Vol 13, Issue 1 – February 2017



Upcoming

Scientific Meetings

8 - 12 March

Diabetes, Hypertension, Metabolic Syndrome and Pregnancy Symposium - Barcelona, Spain

15 - 18 March

Society for Reproductive Investigation Scientific Meeting - Orlando, Florida, USA

15 - 18 March

Academy of Human Reproduction World Congress - Rome, Italy

1 - 4 April

Endocrine Society Conference - Orlando, Florida, USA

2 - 5 April

Perinatal Society of Australia and New Zealand Conference - Canberra, Australia

24 - 26 April

Maternal and Fetal Neonatal Medicine World Congress - London, UK

6 - 9 May

Pediatric Academic Societies Meeting - San Francisco, California, USA

For further event info go to www.adelaide.edu.au/hda/events

To unsubscribe from event and news notifications contact HDA.

www.adelaide.edu.au/hda

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LATEST NEWS



Paying tribute to Dr Basil Hetzel AC

World renowned South Australian medical researcher and pioneer for combating iodine deficiency, Dr Basil Hetzel, has died aged 94.

Dr Hetzel grew up in Adelaide and studied medicine at the University of Adelaide from 1940 to 1944. In the 1960s, Dr Hetzel led research that identified the link between iodine deficiency and brain damage in unborn children. He spent the rest of his life campaigning for

global prevention of the problem.

Dr Hetzel made a difference to the lives of millions with his discovery that iodine deficiency was the cause of severe brain damage among Papua New Guinean highlanders. Global prevention of this problem became his life's work, leading to salt iodisation programs in about 90 countries and the protection of millions of children.

He was Lieutenant Governor of South Australia from 1992 to 2000, Chancellor of the University of South Australia from 1992 to 1998 and appointed a Companion of the Order of Australia.

HDA is now on Facebook & Twitter



<https://www.facebook.com/HealthyDevelopmentAdelaide>



https://twitter.com/HDA_SA

.... HDA Partners



University of
South Australia



Flinders
UNIVERSITY



novita
children's services



Government of
South Australia

Department for Education and Child Development
Women's and Children's Health Network



Healthy Mothers,
Babies and Children

HDA & CHANNEL 7 CHILDREN'S RESEARCH FOUNDATION PhD (TOP-UP) SCHOLARSHIPS 2017

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Congratulations to the two HDA Scholars who have been awarded this years top-up scholarships kindly funded by the Channel 7 Children's Research Foundation.



Joyce Haddad, School of Pharmacy and Medical Sciences, University of South Australia
Primary Supervisor: Dr Rebecca Golley, UniSA; Co-Supervisor: Dr Gilly Hendrie, CSIRO Food and Nutritional Sciences

Project title:

Can the Dietary Guideline Index (DGI) for Children and Adolescence be used as an effective monitoring and feedback intervention?

Project description:

The Dietary Guideline Index (DGI; a reliable and valid measure of children's diet quality) suggests Australian children are not adhering to the dietary guidelines. Thus, it is essential to continue using this index as a monitoring and surveillance tool, to inform and evaluate interventions that focus on improving children's eating habits. Therefore, our project aims to: 1) Develop evidence-based nutrition messages to support the development of an index-based intervention to improve diet quality; 2) Develop the monitoring and feedback capability of the DGI informed by behavioural science; and 3) Pilot the feasibility and efficacy of the DGI as a brief monitoring and feedback intervention.

This research will advance the understanding of healthy development, while improving Australian children's diet quality to aid the prevention of chronic diseases (obesity, diabetes and cardiovascular disease) and support healthy growth and development. The outcomes of this project will include an evidence-base product with wide spread commercial and public good application. This will promote community and service engagement with research, and develop effective multi-disciplinary interactions to inspire further research on improving the health and wellbeing of young people.



Jago Van Dam, Robinson Research Institute, University of Adelaide
Primary Supervisor: Dr Julia Pitcher, University of Adelaide; Co-Supervisors: Dr Luke Schneider & Dr Mitchell Goldsworthy, University of Adelaide

Project title:

Effects of pro-inflammatory conditions of pregnancy on cortical physiology and neuroendocrine function in children and adolescents

Project description:

This project aims to explore the effects of pro-inflammatory disorders of pregnancy on neuroendocrine function and cortical physiology in children and adolescents, and to further characterise the interactions between specific hormones and cortical synaptic plasticity, using non-invasive brain stimulation, immunohistochemical techniques, and functional assessments. Our team has recently shown that neuroplasticity, the lifelong ability of the brain to alter the strength of its synaptic connections in response to experience, activity and incoming stimuli, is blunted in adolescents born preterm, even in those born only a few weeks early. We also have pilot data showing that neuroplasticity and salivary cortisol are significantly reduced in adolescents exposed to GDM in utero, despite their mother's glycaemic levels being carefully controlled from 25-30 weeks of gestation to birth.

Therefore, the major aim of this project will be to characterize neurodevelopmental (motor, cognitive and behavioural) and neuroplasticity responses in children and adolescents born after a pro-inflammatory environment in utero. I will also investigate the possible neuroprotective role of anti-inflammatory treatments, specifically metformin, in alleviating or preventing these adverse outcomes, in addition to the roles of endocrine and genetic/epigenetic factors.

HDA TRAVEL GRANT 2017, RD 1 - AWARDEES

Congratulations to the following HDA research members who have been awarded a HDA Travel Grant towards their conference travel this year.

Dr Ryan Balzan: School of Psychology, Flinders University

Kate Bartel: School of Psychology, Flinders University

Dr Zohra Lassi: Robinson Research Institute, University of Adelaide

Louisa Matwiejczyk: Discipline of Nutrition and Dietetics, Flinders University

Dr Carly Moores: Discipline of Nutrition and Dietetics, Flinders University

Kavita Panir: Robinson Research Institute, University of Adelaide

Helena Schuch: School of Dentistry, University of Adelaide

Ankur Singh: School of Dentistry, University of Adelaide

HDA RESEARCH MEMBER PROFILE - DR JULIE FLEET SCHOOL OF NURSING AND MIDWIFERY, UNISA

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Dr Julie Fleet is an academic researcher and Program Coordinator for the Bachelor of Midwifery at the University of South Australia (UniSA).

Julie has worked as a midwife and childbirth educator in Country Health since graduated in 2006.

Julie's PhD study demonstrated nasal and subcutaneous fentanyl was as effective for pain relief as the commonly used pethidine with women reporting greater satisfaction, fewer adverse effects, shorter labour, less neonatal nursery admissions and reduced difficulties establishing breastfeeding.

Her research and teaching interests include maternal and neonatal health, promoting normal birth and experiential learning and clinical education. These findings have led to the development of protocols to introduce less invasive forms of pain relief for women birthing in South Australia. Findings have been published in peer reviewed journals and presented at both national and international conferences. Julie continues to undertake post-doctoral work with her colleagues at Flinders University and the University of Adelaide to examine intrapartum opioid use and drug transfer to the fetus. In addition, Julie is an active member of the Mothers, Babies and Families Research group at UniSA and is the Coordinator of the Australian College of Midwives, SA Education Committee.

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✉ julie.fleet@unisa.edu.au

NEW HDA RESEARCH MEMBERS

Mr Jago Van Dam, PhD student
NeuroPAD, Robinson Research Institute, University of Adelaide
Focus - neurodevelopment (neuroplasticity, pregnancy)

Mrs Zenab Dudhwala, PhD student
Department of Gastroenterology, University of Adelaide
Focus - short bowel syndrome, postnatal growth, stem cells

Mrs Chelsea Mauch, PhD student
School of Pharmacy and Medical Sciences, UniSA
Focus - early childhood obesity intervention

Mr Molla Wassie, PhD student
FoodPLUS Research Centre, University of Adelaide
Focus - child and maternal nutrition (iodine nutrition)

Dr Kim Hemsley, Head, CNS Therapeutics Group
Lysosomal Diseases Research Unit, SAHMRI
Focus - paediatric neurodegenerative disorders

Ms Angie Willcocks, PhD student
Centre for Population Health, UniSA
Focus - perinatal mental health

Dr Adyya Gupta, PhD student
School of Public Health, University of Adelaide
Focus - oral health and nutrition

Ms Nahal Habibi, PhD student
FoodPLUS Research Centre, University of Adelaide
Focus - nutrition and early determinants of diabetes

Ms Amy Garrett, PhD student
Robinson Research Institute, University of Adelaide
Focus - neurodevelopment (child mental health)

Dr Angela Brown, Lecturer
School of Nursing and Midwifery, UniSA
Focus - cultural safety (Aboriginal women & families)

HDA 2016 PROGRESS REPORT



The HDA 2016 Progress Report is now available and will be posted to our Partners and emailed to our members.

During 2016 we supported our new researchers with 14 travel grants and 2 PhD top-up scholarships (kindly provided by the Channel 7 Children's Research Foundation). We also hosted a wide program of events to inform and educate as well as provide the opportunity to network and collaborate. We also supported two new initiatives with the High School Student and Women's Excellence in Research Awards.

We held 10 events during the year with ~1,500 registrants.

We would like to thank all our partners for their help and financial support and look forward to continuing to work with you in 2017.

2016 Progress Report

Dr Kacie Dickinson, Associate Lecturer

Discipline of Nutrition & Dietetics, School of Health Sciences, Flinders University

During September 2016 I travelled to Granada, Spain to attend the 17th International Congress of Dietetics. The meeting brought together more than 1000 Dietitians and Nutritionists from 45 countries. The conference theme was *going to sustainable eating*. The theme was addressed through the contribution of presentations about the worldwide impact of dietetic practice; research, development and innovation in dietetics, and nutrition transition as a consequence of globalisation. It was valuable to be able to access such a diverse program. Of particular interest was discussion about the sustainability of the dietetic profession, sustainable diets of the future and sustainable training the dietetic workforce. Other key discussion topics were how can sustainable diets address non-communicable disease prevention and simultaneously address the burden of malnutrition globally.

During the conference I presented on 3 research projects in the area of sodium intake, obesity and cardiovascular disease in adults. Meeting highlights were updates on the PREDIMED study from Professor Ramon Estruch and some insights in the follow up study PREDIMED-Plus. It was a highlight to hear Joan Sabate speak about vegetarian diets and updates from the Seventh Day Adventist cohorts. Other topics of interest were Dietetic Competency standards and their development and implementation around the world.

During my time in Granada I also attended the 6th International Congress of Critical Dietetics. This was a smaller conference that covered a range of interesting and diverse topics focussing on critical inquiry into aspects of dietetic training and practice. Because of the smaller size of the conference, it was really valuable opportunity to connect more personally with nutritionists and dietitians working in diverse roles from a number of different countries. This congress challenged me to think creatively about research methods and approaches to nutrition and dietetic practice and training approaches for the future dietetic workforce.

In addition, I used the opportunity to visit colleagues at University of Porto in the Faculty of Public Health (ISPUP). The Epidemiology Research Unit at ISPUP has an international reputation in areas of population, clinical and translation aspects of epidemiology. I met with Associate Professor Carla Lopes, head of the Nutrition and Obesity Epidemiology Research Group and Dr Ana Henriques. We discussed various approaches for longitudinal dietary pattern analysis, which was invaluable for a series of cohort data we are currently analysing.

I would like to acknowledge the support of Healthy Development Adelaide for the opportunity to access these professional development opportunities and strengthen my international networks in the area of nutrition.

HDA TRAVEL GRANT - RECIPIENT REPORT 2016

Dr Karen Best, Post-Doctoral Research Fellow

Healthy Mothers, Babies and Children Theme, South Australian Health and Medical Research Institute

The European Academy of Paediatric Societies (EAPS) is a large Paediatric conference organised by three European Academy of Paediatrics (EAP), the European Society for Paediatric Research (ESPR) and the European Society of Paediatric and Neonatal Intensive Care (ESPNIC).

I was fortunate to have my abstract accepted for a podium presentation and attended the 6th Congress of EAPS in Geneva, Switzerland in October. Healthy Development Adelaide (HDA) kindly supported this, my first international conference, with a travel grant which enabled me to present the findings of my PhD project "Prenatal Omega-3 Supplementation and Allergy in Childhood". My presentation was well received and question-time included a compliment from the chair of the session, Professor Martin Schöni from Switzerland on the design and follow-up rates of my study. It was such a fantastic experience to join so many delegates from around the world with an interest in improving the health and wellbeing of children.

Following the conference, I travelled to Ireland and took the opportunity to visit the Irish Centre for Fetal and Neonatal Translational Research in Cork, Ireland's first dedicated perinatal research centre. Professor Louise Kenny gave me a tour of their facility and I got to talk with several of the research team. It was insightful to discover that many of the successes and challenges that we face daily when conducting our clinical trials are same on the other side of the world! The conference I attended and the subsequent visit to Cork made me feel part of a bigger picture and proud to be a researcher in Adelaide. I realised that the size and quality of the clinical trials we are doing here is exemplary; our results informing the international perinatal community.

I would like to take the opportunity to thank HDA for the opportunity and experience I was awarded and hope to one day collaborate with some of the people I have met on my journey.

South Australia leads nation with Australian-first Meningococcal B study

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Media Release - 13 December, University of Adelaide



Sixty thousand eligible teenagers and young adults from across South Australia who are enrolled in Years 10, 11 and 12 in 2017 will be offered free of charge vaccinations

against Meningococcal B as part of a state wide study into the impact of immunising large community groups against the disease.

The study - **B Part of It** - is being led by the University of Adelaide in partnership with SA Health and has been approved by the Women's and Children's Health Network Human Research Ethics Committee. Vaccinations will be available to students in participating schools across South Australia during 2017 and 2018.

"South Australia has had the highest rate of meningococcal disease in Australia since 2012, with more cases in adolescents than infants," said Associate Professor Helen Marshall, Director of the Vaccinology and Immunology Research Trials Unit at the Women's and Children's Hospital and the University of Adelaide's Robinson Research Institute. "It is vital we learn more about the disease and benefits of vaccinating against Meningococcal B.

"At this point in time, a vaccine is not available for free through the National Immunisation Program, because more information is required to demonstrate whether - in addition to the individual protection it offers - immunisation prevents transmission to others. This study will examine if the Meningococcal B vaccine reduces the spread of meningococcal bacteria in teenagers through what is known as herd immunity."

Associate Professor Marshall, who is leading the study, said the University of Adelaide was working closely with local government, councils, the Department of Education and Child Development, Catholic Education South Austral-

ia and the Association of Independent Schools of South Australia to support all schools in the state to become involved.

She urged all schools to sign up to the study in advance of the 2017 school year, and to seek parental consent for students in Years 10, 11 and 12 to participate.

"We hope all Year 10, 11 and 12 students will **B Part of It** and take up the opportunity to be protected against Meningococcal B," said Professor Marshall. "Each year in Australia, 5-10 per cent of people with meningococcal disease die, despite rapid treatment, and in this state, 88 per cent of cases of the disease result from the B strain - it is critical we undertake this study to determine whether the Meningococcal B vaccine can reduce spread of the meningococcus bacteria amongst adolescents."

Participants in the study - which is being funded by GlaxoSmithKline (GSK) - will be vaccinated with two doses of the licensed Meningococcal B vaccine, given approximately eight weeks apart. In addition, two throat swabs will be collected during 2017 and 2018.

The Minister for Health, Jack Snelling MP, said the Government of South Australia had thrown its full support behind the study and joined Associate Professor Marshall in calling on schools across South Australia to sign up and provide their students with the opportunity to **B Part of It**.

"In South Australia, we've seen the devastating consequences of meningococcal disease - and particularly the B strain - too many times this year, so studies like these are critical in trying to tackle this disease," said Minister Snelling.

"Ultimately, the State Government would like to see as many Year 10, 11 and 12 students as possible provided with access to this vaccine. I urge all principals from all South Australian schools, both public and private, to take part."

To ensure your school participates in **B Part of It**, visit www.bpartofit.com.au, contact your school immunisation provider, or contact the study team on (08) 8161 8117.

Active Healthy Kids Australia (AHKA) Survey

Since the release of the 2016 Report Card the AHKA team have developed a short survey that looks to capture information from various stakeholders who have engaged with the Report Card with regards to: how they used the Report Card; who the Report Card is most relevant for; and what are the most/least useful sections of the Report Card.

It would be much appreciated if you took the 5-10 minutes needed to complete the survey which can be accessed from the AHKA website <http://www.activehealthykidsaustralia.com.au/> or directly from this link <https://www.surveymonkey.com/r/AHKA2016>

Media Release - 10 January, University of Adelaide

Researchers from the South Australian Health and Medical Research Institute (SAHMRI) and the University of Adelaide have found a way to provide mothers and young children in Cambodia with better nutrition through an unlikely source – fish sauce.

Professor Tim Green, Principal Nutritionist within SAHMRI's Healthy Mothers, Babies and Children theme and Affiliate Professor, Adelaide Medical School, University of Adelaide, and his team were seeking ways to improve the thiamin intake of mothers and children aged between 1-5 years in South-East Asia.

The findings are published in *The Journal of Pediatrics*.

The dangers of a thiamin deficiency

Prof Green said that unlike most of the world's populations, thiamin (vitamin B1) deficiency is still common in Cambodia and throughout South-East Asia, putting people at risk of developing a disease called beriberi. "Beriberi is most serious in babies because babies are born with little thiamin and deficient mothers have low

levels of thiamin in their breastmilk," Prof Green said. "The onset of beriberi is rapid and symptoms include a hoarse cry, vomiting, and diarrhoea. If the baby is not given thiamin, they can die within 24 hours."

The principle of fortification

Prof Green said that in Australia, nutrients that could be lacking in the diet are sometimes added to foods that are commonly consumed, for example, iodine is added to salt and folic acid is added to bread flour. "We borrowed this principle, called fortification, and added thiamin to fish sauce, a condiment that is found in nearly every Cambodian kitchen," Prof Green said.

A traditional condiment; the perfect vehicle for thiamin fortification

The study found that fish sauce was not only well accepted by Cambodian families, but that it improved blood markers of thiamin status. Prof Green added: "This research suggests that thiamin-fortified fish sauce has the potential to be a simple, low-cost, and sustainable means of improving dietary thiamin intake and preventing thiamin deficiency in Cambodia."

Lap band surgery benefits very obese adolescents

Media Release - 19 January, University of Adelaide

Lap band surgery has significant benefits for severely obese teenagers and, despite its controversial nature, should still be considered as a first option to manage obesity during adolescence, a new study has found.

Led by University of Adelaide researchers, in collaboration with Flinders Medical Centre, and published in the journal *Obesity Surgery*, the study is the first to show medium to long-term follow-up (3-5 years) of lap band surgery in Australian adolescents. The research followed 21 severely obese teenagers between 14 and 18 years who had Laparoscopic Adjustable Gastric Banding (lap band surgery) in the South Australian Health Service.

Severe obesity is associated with serious physical and psychological conditions affecting quality of life. Australian revised National Health and Medical Research Council guidelines for obesity management say that lap band surgery should be considered in adolescents with severe obesity – that is with a body mass index (BMI) over 40 kg/m² or over 35 kg/m² (weight/height²) with the presence of obesity-related diseases and who don't respond to medical treatment. However there is no data available in Australian adolescents beyond 24 months post-surgery.

"We are talking about a group of adolescents with severe obesity and significant health and psychological problems related to their increased weight – this is not for everyone," says corresponding author and Paediatric Endocrinologist Dr Alexia Peña, who is a Senior Lecturer with the University of Adelaide's Robinson Research Institute.

The study found that weight and BMI improved significantly at all follow-up times following surgery from three

months through to 45 months and, in some cases, as long as five years. BMI loss was between 7.1 and 14.7 kg/m².

"The median BMI reduction of 10 kg/m² with the lap band is a good result when compared to BMI reduction using the few medications available or lifestyle measures, which is around 1-3 kg/m²," says Dr Peña. "Lap band surgery is reversible and allows time for adolescents to mature to make a more informed decision on a permanent surgical procedure if required later on in life. This is not the case for other surgeries currently offered for obesity management.

"It is also important that teenagers undergoing this surgery have access to an experienced surgeon as part of a multidisciplinary paediatric team of doctors and Health professionals to ensure there is long-term regular follow-up."

Paediatric surgeon Mr Sanjeev Khurana, who did all the lap band surgeries between 2009 and 2013, says lap band surgery is a reversible surgical procedure that can be safely used in teens with severe obesity.

"Although gastric banding has been controversial and is currently less used in adults with severe obesity, lap band surgery is one of the most studied surgeries for obesity management, has a high safety record and can be a temporary option to manage severe obesity during adolescence," says Mr Khurana, who is also a Senior Lecturer in the University of Adelaide's Discipline of Paediatrics.

"Our findings support lap band surgery as a safe and effective option for management of adolescents with severe obesity – provided it is performed by an experienced surgeon and managed afterwards in a paediatric multidisciplinary environment with regular follow-up until adulthood."

Addressing child and adolescent mental health The key to disrupting intergenerational disadvantage

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Save Thursday 23 March 2017 for this Symposium

Addressing child and adolescent mental health
The key to disrupting intergenerational disadvantage



Program overview:

Morning: *Describing need and the imperative to do better.*

- The nature of adversity and psychological distress experienced by Australian children.
- How many children are exposed to high levels of family-based (or community-based) adversity and psychological distress?
- What is the mechanism of inter-generational transmission of mental illness and disadvantage? Can this be interrupted?
- Why we need to act. Ethical, Economic and Clinical Imperative.

Afternoon: *A needs-based service response*

- What does a service system look like that is accessible to the most vulnerable families, offers high mental health expertise and the social, educational, economic supports vulnerable families need?
- What is the view from Child and Adolescent Mental Health Services, Children's Centres and Child Protection?
- What size service responses is required to meet at least the most urgent needs - FTE, mix of competencies, \$? How does this compare with current service level?

Key speakers include:

Hon Leesa Vlahos MP, Minister for Mental Health and Substance Abuse, Minister for Disabilities

Dr Aaron Groves, Chief Psychiatrist, SA Health

Dr Prue McEvoy, Clinical Director, Child and Adolescent Mental Health Service, SA

Professor Leonie Segal, Foundation Chair, Health Economics and Social Policy, University of South Australia

Dr Jackie Amos, Senior Child Psychiatrist, Expert in intergenerational transmission & treatment of relational trauma

Ms Ann-Marie Hayes, Executive Director, Early Years and Child Development, Department of Education and Child Development, SA

Date: Thursday 23 March 2017

Time: 8:45am for 9.15am start – 3.15pm + networking until 4.00pm

Place: Auditorium, SAHMRI Building, North Terrace, Adelaide

Email Judith Burgemeister at hesp@unisa.edu.au or phone 08 8302 1422 to register your interest in attending and to receive further updates

Please freely circulate this notification within your professional network

Wellbeing Australia's Inaugural National Conference *Strengths, Circles and Social & Emotional Learning*

This conference will be valuable for anyone concerned with young people's wellbeing in 'learning to be' and 'learning to live together'.

Delegates will be teachers, school leaders, counsellors, psychologists, community leaders, Circle trainers and schools, parents, and policy-makers.

There will be a mix of thought-provoking **keynote presentations and symposia**, alongside interactive workshops and plenty of opportunities to meet with others who share your passion for the authentic wellbeing of all young people.

Cairns, Queensland, 3-4 March 2017

For further info go to <http://wellbeingaustralia.com.au/wba/cairns2017>

Tots and Tech: challenges for early childhood in a digital age

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Australian Council on Children and the Media (ACCM) turns 60 in 2017!! Help us celebrate by joining us at a one day conference .



**Tots and Tech:
challenges for
early childhood
in a digital age**

**Friday 5 May
9am-4:30pm**

**242 Telstra Conference Centre, 242 Exhibition Street,
Melbourne**

We will explore potential benefits and downsides of media and technology use in early childhood and ask:

- What role can technology play in helping children develop well? in promoting creativity? in supporting learning?

- What are the potential impacts on relationships?
- Are there problem levels of use?

Conference themes include technology and physical health (incl. sleep), social/emotional wellbeing, and learning/play in early childhood.

Confirmed speakers include:

Professor Susan Edwards : Dr Justin Coulson

Dr Jordy Kaufman : Dr Kate Highfield

Dr Sarah Blunden : Professor Leon Straker

This conference will be of interest to early childhood educators, academics, health professionals, parent organisations and policy makers.

Join us at a cocktail reception at 5:30pm (optional - additional cost)

There are limited spaces available so please book early!

<https://www.trybooking.com/Booking/BookingEventSummary.aspx?eid=249137>

No chemo. No radiation. No childhood cancer. Can immunotherapy get the job done?

Public Lecture: No chemo. No radiation. No childhood cancer. Can immunotherapy get the job done?

Join CTM CRC and Carina Biotech with Professor Michael Jensen as he shares the story of new CAR-T cancer immunotherapies, their unprecedented clinical trial success and the promise that these therapies bring to future cancer treatments.

Professor Michael Jensen: Director of the Ben Towne Center for Childhood Cancer Research, Seattle Children's Research Institute and Scientific Founder of Juno Therapeutics

Event supported by TechInSA

Tuesday 21 February, 6:00pm – 8:30pm

The Science Exchange, 55 Exchange Place, UniSA City West Campus

Book online at **<https://www.eventbrite.com.au/e/no-chemo-no-radiation-no-childhood-cancer-can-immunotherapy-get-the-job-done-tickets-31671937618>**

Media and Communication training course for scientists

In Adelaide on Wednesday 22 February, 8.30am-5pm. It costs \$800 (ex. GST) per person, and includes lunch, morning and afternoon tea, and coffees throughout the day.

These courses will help your team find the best way to communicate your work to different audiences, manage tricky questions about your research, and give you the chance to practice interviews with working journalists from TV, radio and print.

We also have the following media training dates available around the country: **Melbourne:** Wednesday 8 February, Tuesday 2 May, Thursday 22 June. **Adelaide:** Wednesday 22 February, Tuesday 6 June. **Sydney:** Thursday 9 March, Thursday 25 May. **Perth:** Wednesday 15 March, Wednesday 5 July. **Canberra:** Wednesday 5 April

To register your place in a course, head to www.eventbrite.com.au/o/science-in-public-8313184779 or email my colleague Ellie Michaelides on ellie@scienceinpublic.com.au.