



## **Early Start Research Institute 2015 ANNUAL REPORT**



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## FROM THE DIRECTOR



On behalf of our members and associate members, it is my pleasure to present the 2015 Annual Report for the *Early Start Research Institute* (ESRI). There have been some outstanding achievements by our members over the previous year, highlighted by a doubling in our external grant income awarded, with most of this coming from an increase in Category 1 grant funding. Our number of higher degree research student also continues to be strong, with over 100 current enrolments.

In July 2015 we celebrated the official opening of the Early Start Facility by the Federal Minister for Social Services, the Hon Scott Morrison. This 8,800m<sup>2</sup> facility represents the largest infrastructure investment in the social sciences in the southern hemisphere and contains state-of-the-art teaching, learning, and research spaces. In May 2015 the Early Start Discovery Space, a purpose-built, hands-on learning-through-play space was launched. This “children’s museum” is the first-of-its-kind in the world that is based on a university campus and provides unique opportunities for community engagement and interdisciplinary research.

Some of our notable achievements in 2015 include:

- An interdisciplinary team led by Professor Iram Siraj and involving ESRI members Ted Melhuish, Marc de Rosnay, Steven Howard, Cathrine Nielsen-Hewett, and Elisabeth Duursma being awarded a **competitive tender from the NSW Department of Education** for The Fostering Effective Early Learning (FEEL) Study. This study will test how to enhance child development through sustainable and effective professional development.
- Bridget Kelly being awarded an **ARC Linkage Grant** to examine the application of a logic model to link unhealthy food promotion to childhood obesity. Bridget was also CIB on a second Linkage Project awarded to her colleague Simon Pettigrew (Curtin) which examines front-of-pack food labelling systems and health claims on consumers' food-related beliefs and behaviours.
- Dylan Cliff, who along with colleagues at UOW (PI Markus Hagenbuchner) and QUT (Stewart Trost) was awarded an **ARC Discovery Project** to investigate the use of machine learning to model physical activity in preschool children.
- Marc de Rosnay who is a CI on an **ARC Discovery Project** awarded to his colleague at UQ (Virginia Slaughter), which investigates if theory of mind delays explain children’s social problems.
- Lisa Kervin being a CI on an **ARC Discovery Project** awarded to her colleagues at QUT (Lead CI Annette Woods) that investigates the process of learning to write using a socio-material analysis of text production.
- Sarah Howard who is a CI on an **ARC Linkage Grant** awarded to her colleague at Swinburne (Ellie Rennie) titled “Understanding the dynamics of digital inclusion.”
- Xiaoqi Feng being awarded a **National Heart Foundation of Australia Post-doctoral Fellowship** to examine the role of the built environment in the clinical care of Type 2 diabetes and heart health.

- Stewart Vella, who was also awarded a **National Heart Foundation of Australia Post-doctoral Fellowship** to investigate the longitudinal relationships between participation in organised sport and cardiometabolic health during childhood
- Sarah O'Shea being awarded a National Teaching Fellowship from the **Office for Learning and Teaching** to explore how university outreach activities can forge productive partnerships with families to assist first-in-family students navigate their higher education journey.
- Irina Verenikina and Pauline Jones being funded by the **Office for Learning and Teaching** for their project aimed at building capacity to scaffold online discussion: enhancing students' construction of knowledge and communication competencies

I would like to thank the Early Start Advisory Board for their support and guidance during 2015 along with Early Start CEO Michelle Kellaway and Academic Director, Professor Marc de Rosnay. I would also like to thank the Dean of the Faculty of Social Sciences, John Steele for his on-going financial and in-kind contributions. Finally, I would like to thank Deputy Director, Professor Sue Bennett for her support and leading of the Learning, Design, and Cognition theme, Professor Valerie Harwood for her work in leading the Social Inclusion theme, and Garry Hoban for his leadership in the area of professional learning. I am also thankful for the support from the Research Services Office, Research Student Centre, and Commercial Research Unit of the University of Wollongong; the staff and students of the early childhood services, schools, and other educational institutions we work with; and the many participants and organisations who are part of our research.



Professor Anthony D. Okely

Director, Early Start Research Institute

# ESRI PEOPLE 2015

## ESRI STAFF

### Director

Professor Anthony Okely

### Deputy Director

Professor Sue Bennett

## ESRI Themes and Leaders

### Learning, Design, Cognition and Pedagogy

Professor Sue Bennett

### Public Health

Professor Tony Okely

### Social Inclusion

Professor Valerie Harwood



## ESRI MEMBERS

Associate Professor Shirley Agostinho

Associate Professor Mitch Byrne

Professor Paul Chandler

Dr Dylan Cliff

Professor Marc de Rosnay

Dr Elisabeth Duursma

Dr Xiaoqi Feng

Professor Valerie Harwood

Professor Garry Hoban

Dr Sarah Howard

Associate Professor Stuart Johnstone

Dr Pauline Jones

Dr Rachel Jones

Dr Bridget Kelly

Associate Professor Lisa Kervin

Professor Ted Melhuish

Dr Cathrine Neilsen-Hewett

Dr Wendy Nielsen

Associate Professor Sarah O'Shea

Professor Fred Paas

Dr Anne-Maree Parrish

Dr Yasmine Probst

Associate Professor Steven Roodenrys

Dr Rute Santos

Professor Iram Siraj

Dr Stewart Vella

Associate Professor Irina Verenikina

Dr Amy Conley Wright

Professor Jan Wright

Professor Ian Wright

Professor Heather Yeatman

## **POST –DOCTORAL FELLOWS**

Dr Eva Craig

Dr Franca Mackie

Dr Christian Swann

Dr Rebecca Stanley

Dr Samantha McMahon

## **ASSOCIATE MEMBERS**

Dr Amanda Baker

Dr Marijka Batterham

Dr Steven Capaldo

Assoc Prof Peter Caputi

Assoc Prof Karen Charlton

Assoc Prof Mohan Chinnappan

Dr Michelle Eady

Dr Grant Ellmers

Dr Greg Forrest

Dr Alison Freeman

Dr Mark Freeman

Dr Steven Howard

Dr Barbra McKenzie

Dr Jessica Mantei

Dr Karen Mickle

Dr Bridget Munro

Dr Gabrielle O’Flynn

Dr Dana Perlman

Prof John Reilly

Dr Julie Steele

Dr Holly Tootell

Dr Karen Walton

## RESEARCH STUDENTS

Abdullah Alamr	Amy Carrad	Megan Hammersley
Louise Alexander	Nicole Carrigan	Valentine Hazelman
Ekaterina Alferova	Haider Catan	Jan Herold
Faisal Alghamdi	Deborah Chadwick	Melinda Hickey
Hassan Alhassan	Lynette Cronin	Sharon Holdsworth
Budour Almisad	Anna Dalecki	Lauren Houston
Lulwah Almushaileh	Saskia de Leede-Smith	Diarmuid Hurley
Peter Andersen	Suellen Denny	Jan Hutton
Tiffani Apps	Jo-Anne Edwards	Lynn Jarvis
Jamila Arrish	Yvonne Ellis	Joanne Jenson
Elfriede Ashcroft	Kellee Evans	Ashleigh Johnstone
Kylie Austin	Lauren Gardner	Jennifer Jones
Timothy Beaumont	Amanda Rita Gigliotti	Adrina Joseph
Karley Beckman	Belinda Giles	Jacqueline Kelly
Khlood Bookari	Vinodkumar	Katherine Kent
Debra Bourne	Gopaldasani	Ezinne Korie
Carol Brandman	Chloe Gordon	Toni Latham
Belinda Briggs	Emma Gorman	Sarah Liddle
Louise Brown	Michelle Gregory	Vin Cent Loh
Limin Buchanan	Jessica Groves	Brett MacDonald
Susan Byers	Vivienne Guan	Abeer Malaih
Alysha Calleia	Laila Hafez	Myrto-Foteini Mavilidi
Rebecca Calleia	David Hammer	Sophie McIntosh

Anthony McKnight	Bradley Parkinson	Ryan Spencer
Jacinta McNamara	Michele Peden	Jane Tanner
Jade McNeill	Carolyn Pogson	Nicole Taylor
Theresa Millman	Patricia Powers	Elise Thurtell
Faisal Mirza	Andrew Pyke	Karen Tonge
Hamid Moayyed	Abdul Rahman	Giang Nam Tran
Yahya Mofarreh	Amir Hossein Rezaee	Minh Quy Tran
Sameeha Mohd Jamil	Zoe Richards	Christiana van Loo
Fernando Mondaca Fernandez	Joanne Richardson	Sanne Veldman
Hanieh Moshtaghian	Maria Clara Rivera	Alyce Wall
Adrian Mozejko	Sanaz Sadegholvad	Cinthya Wibisono
Karumathil Murali	Stuart Sepp	Dawei Zhang
Thi Thu Hien Nguyen	Anitta Serrano	
Tien Ngo Nguyen	Seedwell Sithole	
Jennifer Norman	Rachel Smith	
Kelly Norwood	Gerardo Sozio	



## 2015 GRADUATIONS

### **Pranit Anand, PhD**

Using mobile phone technology outside class time to develop first year university students' independent study skills

Supervisors: Shirley Agostinho, Susan Bennett

### **Katherine Bates, PhD**

How do visual prompts shape students' written responses?

Co-Supervisor: Janice Wright

### **Nicholas Benikos, PhD**

Optimising training-induced changes in inhibitory control

Supervisors: Stuart Johnstone, Steven Roodenrys

### **Nancy Cinnadaio, MSc**

Dietary Change after Gestational Diabetes Mellitus for prevention of type two diabetes mellitus

Co-Supervisor: Yasmine Probst

### **Sayne Mam Dalton, PhD**

Characterising whole grains in nutrition research and practice

Co-Supervisor: Yasmine Probst

### **Malatsi Galani, PhD**

Factors affecting nursing staff use of nursing information systems in residential aged care homes

Co-Supervisor: Paul Chandler  
Associate Supervisor: Fred Paas

### **Olivia Groves, PhD**

Language Learning as Participation: Case Studies of Saudi Arabian International Students

Co-Supervisor: Irina Verenikina

### **Reima Mansour, MSc**

Food security among students at University of Wollongong

Supervisor: Heather Yeatman

### **Fiona McLean, PhD**

Bringing It To The Teachers: Meeting the needs of teachers in isolated schools of students with oppositional and defiant behaviours

Co-Supervisor: Irina Verenikina

### **Ashley Sisco, PhD**

Honouring the Kaswénta: A Framework For Consultation With Indigenous Communities in Canada and Australia

Supervisor: Valerie Harwood

### **Seedwell Sithole, PhD**

Self-management of Cognitive Load in Accounting Within a Zimbabwean University Context

Supervisor: Paul Chandler

### **Xuan Huong Vu, PhD**

Active learning in ICT-enhanced blended learning environment: A case study of Vietnamese students in Australian higher education

Supervisors: Irina Verenikina, Sarah O'Shea.

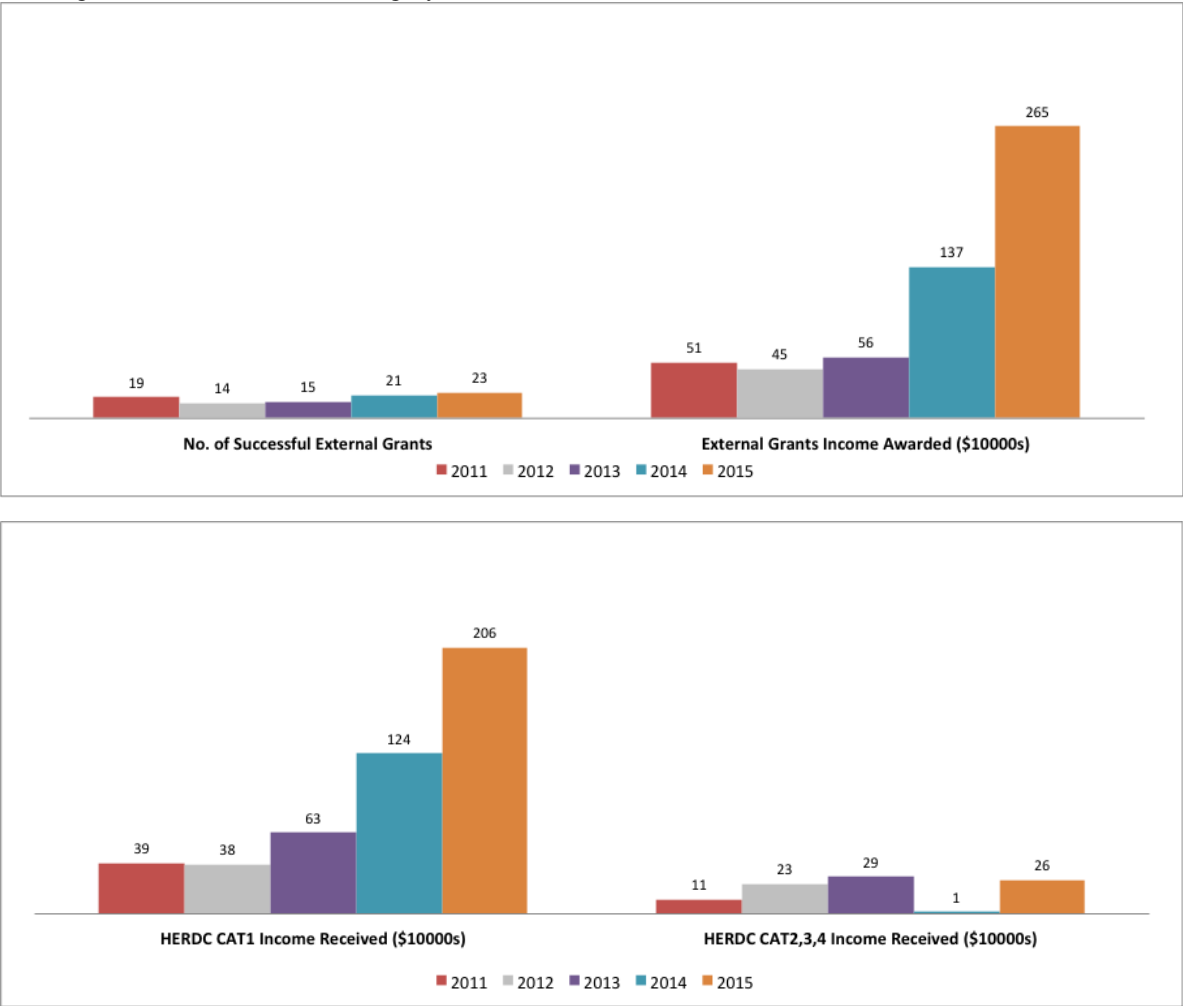
# 2015 HIGHLIGHTS

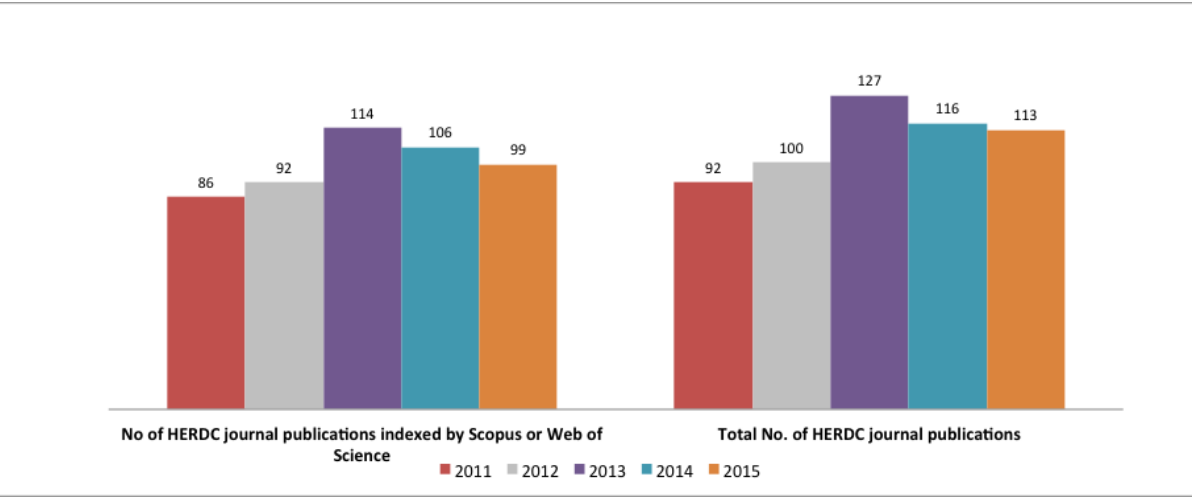
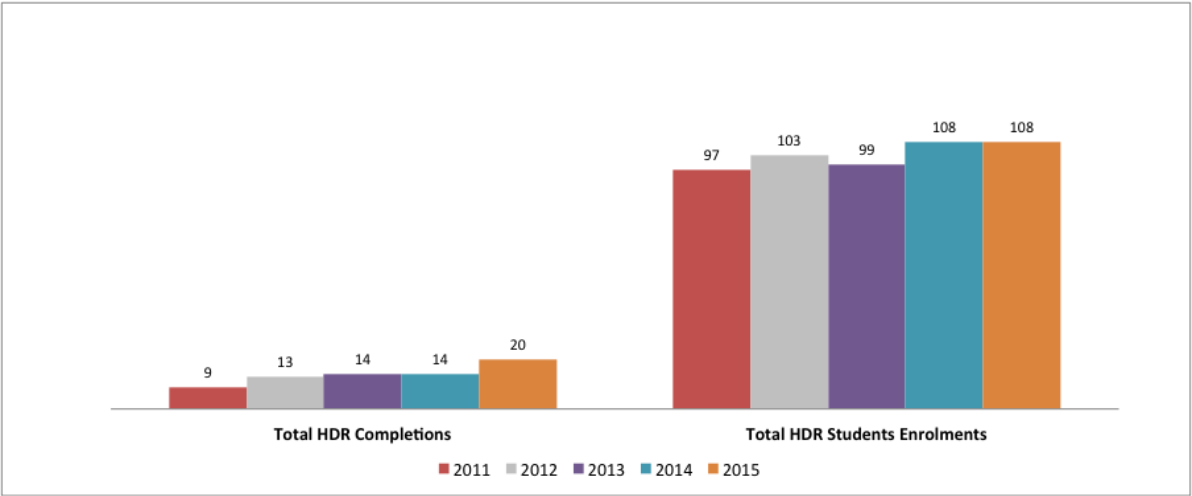
2015 has been a very exciting year for ESRI with the official opening of the Early Start facility and the Discovery Space children’s museum in May, and our first Early Start Conference with over 600 delegates in September.

2015 has seen an increase in the total amount of research funding from external sources. Category 1

income received has increased continually since 2010. The number of successful grant applications has also been increasing gradually. The number of HDR enrolments has risen continually since 2010.

These improvements demonstrate evidence that strategies implemented to increase our performance in these areas have been effective.





## AWARDS AND ACHIEVEMENTS



## CATEGORY 1 GRANTS 2014 & 2015

### ARC GRANTS

#### DISCOVERY PROJECTS

Markus Hagenbuchner (Chief Investigator), Stewart Trost (Chief Investigator), **Dylan Cliff (Chief Investigator)** were awarded \$286,424 for the Project titled “**Modelling active play in preschool children using machine learning**”.

Annette Woods (Chief Investigator), Barbara Comber (Chief Investigator), **Lisa Kervin (Chief Investigator)** were awarded \$315,100 for the Project titled “**Learning to write: A socio-material analysis of text production.**”

Virginia Slaughter (Chief Investigator), Peterson Candida (Candi) (Chief Investigator), **Marc de Rosnay (Chief Investigator)**, Henry Wellman (Chief Investigator), Sander Begeer (Chief Investigator) were awarded \$315,100 for the Project titled “**Do theory of mind delays explain children’s social problems?**”

#### ARC DISCOVERY EARLY CAREER RESEARCHER AWARD (DECRA)

Dr Rute Santos was awarded \$ 357,000 for the Project titled “**Effects of reducing sitting on toddlers' executive function: Cluster RCT**”.

#### LINKAGE PROJECTS

Ellie Rennie (Chief Investigator), **Sarah Howard (Chief Investigator)**, Karl Maton (Chief Investigator), Julian Thomas (Chief Investigator), Jun Ma (Chief Investigator) were awarded \$135,954 for the project titled “**Understanding the dynamics of digital inclusion.**”

**Bridget Kelly (Chief Investigator)**, Samantha Thomas (Chief Investigator), Louise Baur (Chief Investigator), Adrian Bauman (Chief Investigator), Lesley King (Chief Investigator), Emma Boyland (Partner Investigator), Kathy Chapman (Partner Investigator), Clare Hughes (Partner Investigator) were awarded in 2014 \$192,035 for the Project titled “**Applying A Logic Model To Link Unhealthy Food Promotion To Childhood Obesity**”  
2015 Contributions of \$38,900 and \$54,622

Simone Pettigrew (Chief Investigator), **Bridget Kelly (Chief Investigator)**, Kylie Ball (Chief Investigator), Bruce Neal (Chief Investigator), Clare Hughes (Investigator Other), Helen Dixon (Investigator Other), Caroline Miller (Investigator Other), Trevor Shilton (Investigator Other) were awarded in 2014 \$203,514 for the project titled “**The independent and combined effects of front-of-pack food labelling systems and health claims on consumers' food-related beliefs and behaviours**”  
Australian Research Council (ARC. Linkage Projects)

#### AUSTRALIAN MENTAL HEALTH INITIATIVE

**Stewart Vella (Chief Investigator)**, **Anthony Okely (Chief Investigator)**, Frank Deane (Chief Investigator), Sandra Jones (Chief Investigator), Simon Eckermann (Chief Investigator), Helen Christensen (Chief Investigator), Stewart Trost (Chief Investigator), Remco Polman (Chief Investigator), Erika Borkoles (Chief Investigator), Chris Lonsdale (Chief Investigator) were awarded \$1,986,778 for the project titled “**Promoting Male Mental Health Using A Sustainable And National Sport-Based Intervention**”  
The Movember Group and BeyondBlue. Australian Mental Health Initiative Funding

## OFFICE FOR LEARNING AND TEACHING. TEACHING FELLOWSHIP

**Sarah O'Shea (Chief Investigator)** was awarded \$90,000 for the project titled “Engaging families to engage students: exploring how university outreach activities can forge productive partnerships with families to assist first in family students navigate their higher education journey”

## SEED PROJECTS

**Irina Verenikina (Chief Investigator), Pauline Jones (Chief Investigator),** Janine Delahunty (Chief Investigator) were awarded \$40,000 for the project titled “Building capacity to scaffold online discussion: enhancing students' construction of knowledge and communication competencies”

## Vice-Chancellor's Awards Recipients 2015

### Vice-Chancellor's Award For Research Excellence For Emerging Researchers

**Dr Dylan Cliff**

Faculty Of Social Sciences

### Faculty Early Career Academic Award For Outstanding Contribution to Teaching And Learning

**Dr Amanda Baker**

Faculty of Social Sciences

## Recommendations and Prizes

**Professor Iram Siraj** was awarded the OBE (Officer of the Order of the British Empire) for services to education in the Queen's New Year's Honours in 2015.

**Professor Iram Siraj** was awarded first prize for her book *'Social Class and Educational Inequality: The impact of parents and schools, St Ives. CUP'* in 2014. The award was awarded by the Society for Educational Studies.

### Dr Xanne Janssen

Awarded a 5 year Chancellors Fellowship at Strathclyde University. Previous PhD student.

Professor **Fred Paas** was ranked the most productive researcher in the field of Educational Psychology over the last five years, according to an article published in Educational Psychology Review in 2016.

## NATIONAL HEART FOUNDATION

**Dr Xiaoqi Feng** was awarded a National Heart Foundation Postdoctoral Fellowship. The project is titled “**What built environment helps or hinders clinical care of type 2 diabetes to protect heart health?**” The project was awarded \$150,000.00

**Dr Stewart Vella** was awarded a National Heart Foundation Postdoctoral Fellowship. The project is titled “**A longitudinal analysis of the relationship between participation in organised sport and cardiometabolic health during childhood**” The project was awarded \$150,000.00



## HIGHLIGHTS FROM THE INAUGURAL EARLY START CONFERENCE

Thought leaders gathered at UOW to discuss future strategies to improve the lives of children around the world. The leaders from around the world descended on UOW from 28-30 September for the Inaugural Early Start Conference on childhood development.

The most significant event of its kind ever held in Australia, the conference explored topics such as a brain-training computer game that can help children with ADHD, how standing preschools can improve children's mental development and why kids learn better when they move.

Prime Minister Malcolm Turnbull kicked off the conference with a special video message on the importance of early education.

## EARLY START CONFERENCE OVERVIEW



**3 days**



**7 keynote speakers**



**5 themes**



**630 delegates**



**11 countries represented**



**102 presentations**

### SPEAKERS INCLUDED:



Catherine Snow, Harvard University, an expert in language and literacy development



Dianne Ward, University of North Carolina, childhood obesity expert



Edward Melhuish, University of Oxford & UOW, an expert in social and communicative development



Michael Wald, Stanford University, a children's rights and welfare expert and advocate



Fred Pass, Erasmus University Rotterdam & UOW, who specialises in physical movement and brain function



Iram Siraj, University College London & UOW, one of the world's leading authorities on primary education



Marc de Rosnay, UOW, an expert in child development and psychology



Professor Susan Danby, (Queensland University of Technology), an expert in everyday social and interactional practices of children.



Renowned Harvard early language and literacy expert **Professor Catherine Snow** gave the keynote address on how we can improve quality in early childhood classrooms, considering a wealth of research has shown the early years (0-5) are the most important time for learning and a quality early education has been linked to reduced rates of crime, and for the individual, boosted employability, better jobs and a higher income.

**Professor Dianne Ward** of University of North Carolina, spoke on “Innovative and evidence-guided ways to promote healthy eating and physical activity in early childhood settings. Professor Ward also conducted a workshops titled “How to self-assess the nutrition and physical activity environments in early childhood education and care services and make changes based on the results”

**Professor Michael Wald** of Stanford University, presented on “A System for Strengthening and Supporting Parenting in Families with Multiple Barriers”.

**Professor Susan Danby** of Queensland University of Technology, presented on “Open wide, come inside, it’s screen time presented findings on children showing their complex and competent work as they build their social worlds within school settings, homes and communities.

**Professor Ted Melhuish**, a leading scholar and adviser to the OECD, European Commission and WHO on childhood development issues from the University of Oxford and UOW's Early Start Research Institute, shared his research on the impact of early experiences on long term development. Professor Melhuish advocates for free universal childcare in Australia and penned an opinion piece for The Guardian on the issue. He also spoke to ABC Radio National.

**Professor Iram Siraj** of University College London and UOW's Early Start Research Institute gave a presentation on the long term impact of early years Maths and English education. Professor Siraj also conducted a workshop titled “Supporting Intentional and Relational Pedagogy in Early Childhood Settings using the SSTEW scale”

**Professor Fred Paas** of Erasmus University Rotterdam in the Netherlands and UOW’s Early Start Research Institute, discussed the promising role of human movement in children’s learning.

**Professor Marc de Rosnay**, of University of Wollongong’s Early Start, was an Invited Speaker at the Gala Dinner.

**Professor de Rosnay**, Director of Academic programs, Early Start, was also an Invited Speaker at the Gala Dinner Panel. The panel comprised Catherine Snow, Samantha Page(CEO Early Childhood ESRI ANNUAL REPORT - 2015

Australia), Anne Hampshire (Head of Research and Advocacy) and Marc de Rosnay. The MC for the Panel was James Valentine of ABC Radio.



# VISITORS TO ESRI



**A Prof Christopher Walsh**  
Torrens University, Adelaide

ESRI Seminar November 5<sup>th</sup>, 2015.  
A Co-Creativity Methodology To  
Evidence Wise Humanising  
Creativity (Whc) In Virtual Learning  
Environments (Vles)

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**A Prof Micheal Beets.**  
Department Of Exercise Science.  
Arnold School Of Public Health.  
University Of South Carolina

Michael visited ESRI from December 2015 to January 2016. Michael was the recipient of the 2015 Vice-Chancellor's International Scholar's Award (VISA). While here he also presented an ESRI Seminar.

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**Professor Sindre Mikal Dyrstad**  
Department of Education and Sports  
Science University of Stavanger,  
Norway.

Sindre visited ESRI from October to December 2015. While here he also presented an ESRI Seminar.

## Ministerial Advisory Group on Literacy and Numeracy (Advisory Group) visited the University of Wollongong's Early Start Research Institute on 22 June 2015.

Visitors included Dr Ken Boston AO, Dr John Ainley, Mrs Jane Cameron, Dr David Cullen, Dr Christine Edwards-Groves, Dr Meredith Martin, Mrs Cheryl McBride OAM, Mrs Margaret McKay, Ms Rosalie Nott, Mrs Tina Roworth, Mrs Mandy Westgate, A/Prof Paul White, Ms Robyn Yates OAM, Ms Rani Lewis-Jones, Ms Hanya Stefaniuk OAM, (Secretariat) Ms Rani Lewis-Jones, Secretariat, Advisory Group. Ms Hanya Stefaniuk, OAM, Secretariat, Advisory Group.

The group was accompanied by Mr John Steele, Executive Dean, Faculty of Social Sciences, Mrs Michelle Kellaway, Prof Marc de Rosnay, Prof Tony Okely and Prof Edward Melhuish,

Whilst here the group toured the Early Start Facility and Discovery Space then held the Advisory Group formal meeting.

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**Professor Peter Katzmarzyk**  
Pennington Biomedical Research  
Centre, Louisiana State University  
USA

Physical Activity And Sedentary  
Behaviour: Independent Risk Factors Or  
Opposite Sides Of The Same Coin?

Peter's main research interest is the epidemiology and public health impact of obesity and physical inactivity, and determining the relationships between physical activity, physical fitness, obesity and related disorders such as metabolic syndrome, cardiovascular disease and diabetes, particularly in children and youth.

**Melissa Wake**

Royal Children's Hospital, Murdoch Children's Research Institute and University of Melbourne.

Seminar on 29 July titled "Getting Under The Skin - How Children's Early Exposures Lay The Foundations Of Disease"

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**Professor Karen Thorpe**

Karen visited Early Start over the 3<sup>rd</sup> and 4<sup>th</sup> of December. Whilst she met with ESRI and faculty members to discuss current research at QUT in areas of sleep and early childhood and Early Start (Discovery Space, community engagement and research areas). ESRI members also presented their current research to Karen.

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**Professor Louise A BAUR AM FAHMS**

The Children's Hospital at Westmead Clinical School, University of Sydney

Louise visited Early Start on 12<sup>th</sup> August. During her visit she was Chair for a NHMRC Project Grant Panel for researchers.

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**Karin Pfeiffer**

Department of Kinesiology  
Michigan State University

ESRI Seminar 18 February titled "The U.S. Physical Activity Guidelines Midcourse Report: Strategies To Increase Physical Activity In Youth"

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**Alex Florindo**

Professor of physical activity epidemiology at the University of Sao Paulo

Alex visited ESRI on the 1<sup>st</sup> of September to discuss future research projects and presented an ESRI Seminar.



**Wim Pouw and Fred Paas** held a Symposium on "Human Movement Skills: Learning, Cognition, Health"

The Symposium was held on 26 May in Early Start

## ESRI PROJECTS

ESRI members were involved in 30 funded projects in 2015 across a variety of areas.

Projects were highly interdisciplinary in nature and spanned ESRI's different research themes.



## PROJECTS AWARDED IN 2015

FOR NATIONAL COMPETITIVE GRANTS SEE PAGES 13  
&14

### HEALTHY SPORTS CLUBS PROGRAM

**Bridget Kelly**

\$41,000

Cancer Council NSW

### CONTRIBUTION TO EPIDEMIOLOGICAL DESIGN FOR THE WESTERN SYDNEY DIABETES PREVENTION AND MANAGEMENT

**Xiaoqi Feng**

2015 Contribution \$ 26,379

Western Sydney LHD

### FACULTY OF SOCIAL SCIENCES ECR/STARTUP AND SEED GRANTS SCHEMES FOR 2015.

#### ECR/STARTUP GRANTS

### FATHER ENGAGEMENT AND THE IMPACT ON CHILDREN'S LANGUAGE AND COGNITIVE DEVELOPMENT

**Elisabeth Duursma**

\$6,000

### PROVISION AND USE OF HEALTHY BUILT ENVIRONMENT AROUND ILLAWARRA'S WORKPLACE

**Xiaoqi Feng and Bridget Kelly**

\$11,000

#### SEED GRANTS

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### THE UNIVERSITY OF WOLLONGONG COHORT: A PILOT STUDY

**Xiaoqi Feng** and Christopher Magee

\$15,000

### DESIGN AND EVALUATION OF AN EVIDENCE- BASED INTERACTIVE PROFESSIONAL LEARNING PACKAGE FOR EARLY CHILDHOOD EDUCATION AND CARE

**Rachel Jones, Bridget Kelly, and Michelle Eady**

\$12,000

### ARTICULATING SUPERVISORY KNOWLEDGE UNDERPINNING PERCEIVED TEACHER SUPERVISION ON PROFESSIONAL EXPERIENCE

**Wendy Nielsen, Sharon Tindall-Ford and Lyn Sheridan**

\$10,521.

#### OTHER UNIVERSITY OF WOLLONGONG GRANTS

### DEVELOPING LARGE-SCALE ELECTROPHYSIOLOGICAL AND NEUROCOGNITIVE TRAINING RESEARCH PROJECTS IN CHINA

**Stuart Johnstone (Chief Investigator), Steven  
Roodenrys (Chief Investigator), Robert Barry (Chief  
Investigator), Adam Clarke (Chief Investigator)**

\$ 9,900

University Of Wollongong. [International Links Grants](#)

### HEALTH TRANSITION IN CHINA AND AMONG CHINESE MIGRANTS IN AUSTRALIA

**Xiaoqi Feng (Chief Investigator)**

\$5,000

University Of Wollongong. [International Links Grants](#)

### COMPARING METHODS FOR VOLUMETRIC COMPUTATION FOR AN IMAGE RECOGNITION ALGORITHM FOR PHOTOGRAPHY-BASED FOOD



## **RECORD DIETARY ASSESSMENT**

**Yasmine Probst (Chief Investigator)**, Andrew Miller  
(Chief Investigator)

\$10,000

University of Wollongong. [SMAH Small Project Grant – Advancement](#)

## **WHERE ARE THEY LOOKING? COMBINING EYE MOVEMENT AND MISCUE ANALYSIS TO EXAMINE CHILDREN'S READING ON A RANGE OF TEXTS**

**Jessica Mantei (Chief Investigator)**, **Lisa Kervin (Chief Investigator)**, Pam Grosse (Chief Investigator)

\$12,962

University of Wollongong. [Social Sciences Partnership Grants](#)

## **STREET LITERACY: INCREASING CHILDREN'S LITERACY EXPOSURE THROUGH LITERARY ART IN THE STREET**

**Elisabeth Duursma (Chief Investigator)**, Susannah Clement (Chief Investigator), Phillippa Burns (Chief Investigator), Katherine Roggeveen (Chief Investigator)

\$5,000

University of Wollongong. [Global Challenges Strategic Funding](#)

## **DEVELOPING YOUNG PEOPLE'S SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICAL (STEM) KNOWLEDGE THROUGH COMPUTER PROGRAMMING**

Joseph Tonien (Chief Investigator), **Grant Ellmers (Chief Investigator)**, **Sarah Howard (Chief Investigator)**, Willy Susilo (Chief Investigator)

\$5,000

University of Wollongong. [Global Challenges Strategic Funding](#)

## **PERICAM LASER SPECKLE IMAGER**

**Ian Wright (Chief Investigator)**

\$75,000

University of Wollongong. [SMAH RIBG](#)

## **ECO-ANTARCTICA**

Dianne Jolley (Chief Investigator), Sharon Robinson (Chief Investigator), Laurie Chisholm (Chief Investigator), Brogan Bunt (Chief Investigator), **Garry Hoban (Chief Investigator)**, Gordon Waitt (Chief Investigator), Gregory Rose (Chief Investigator), Micha

\$5,000

University of Wollongong. [Global Challenges Strategic Funding](#)

## **STRONGER CULTURE, HEALTHIER LIFESTYLES: A PILOT AFTER-SCHOOL CULTURAL ACTIVITY PROGRAM FOR ABORIGINAL CHILDREN**

**Rebecca Stanley (Chief Investigator)**, Anthony McKnight (Chief Investigator), **Yasmine Probst (Chief Investigator)**, Lyn Phillipson (Chief Investigator)

\$50,000

University of Wollongong. [Global Challenges Project Funding](#)

## **CHILDREN AS HEALTH ADVOCATES IN FAMILIES: ASSESSING THE CONSEQUENCES**

**Jan Wright**

\$10,000

University of Wollongong. [Near Miss Grant](#)

## ONGOING PROJECTS

### **INCREASING PHYSICAL ACTIVITY AND REDUCING SEDENTARY BEHAVIOUR IN EARLY CHILDHOOD: A GROUP RANDOMISED CONTROLLED EFFECTIVENESS TRIAL**

**Anthony Okely (Chief Investigator)**, Stewart Trost (Chief Investigator), Donna Berthelsen (Chief Investigator), Jo Salmon (Chief Investigator), John Reilly (Chief Investigator), **Dylan Cliff (Chief Investigator)**, **Rachel Jones (Chief Investigator)**, **Marijka Batterham (Chief Investigator)**, Ngiare Brown (Chief Investigator), Simon Eckermann (Chief Investigator)  
2015 contribution \$545,639.44  
[National Health & Medical Research Council \(NHMRC\), Project Grant.](#)

### **"STAND UP FOR HEALTH" AN INTERVENTION TO REDUCE ADOLESCENT SITTING TIME DURING SCHOOL**

**Anne-Maree Parrish (Chief Investigator)**, **Anthony Okely (Investigator)**, Jo Salmon (Investigator), Stewart Trost (Investigator)  
2015 contribution \$4,852  
[National Heart Foundation of Australia. Vanguard Grant](#)

### **UNIVERSITY LEARNING IN THE DIGITAL AGE: INVESTIGATING HOW STUDENTS LEARN ONLINE**

Susan Bennett (Chief Investigator), Lori Lockyer (Chief Investigator), Gregor Kennedy (Chief Investigator), Barney Dalgarno (Chief Investigator)  
2015 contribution \$92,828  
[Australian Research Council, Discovery Projects.](#)

### **MENTORING AND INDIGENOUS HIGHER EDUCATION: UNDERSTANDING HOW UNIVERSITY STUDENTS MENTOR INDIGENOUS**

ESRI ANNUAL REPORT - 2015

## SCHOOL STUDENTS

**Valerie Harwood (Chief Investigator)**, **Paul Chandler (Chief Investigator)**, **Sarah O'Shea (Chief Investigator)**  
2015 Contribution \$94,380  
[Australian Research Council \(ARC\). Discovery Projects](#)

### **COMPARISON OF OPEN-CIRCUIT CALORIMETERS & MICROMETEOROLOGICAL METHODS LAB2**

**Irina Verenikina, Lisa Kervin.**  
\$41,947  
[Australian Research Council. Discovery Projects.](#)

### **UNDERSTANDING & PROMOTING PHYSICAL ACTIVITY & REDUCING SEDENTARY BEHAVIOUR IN CHILDREN**

**Anthony Okely**  
\$108,142  
[National Heart Foundation of Australia. Career Development Fellowship](#)

### **GETTING AN EARLY START TO ASPIRATIONS: UNDERSTANDING HOW TO PROMOTE EDUCATIONAL FUTURES IN (TITLE INCOMPLETE)**

**Valerie Harwood**  
2015 contribution \$22,6474  
[Australian Research Council. Future Fellowships](#)

### **FROM NUTRIENTS TO FOODS TO CUISINES: GROWING THE FOOD COMPOSITION KNOWLEDGE BASE TO ALLOW FOR MORE ROBUST DIETARY ASSESSMENT AND EVIDENCE-BASED ADVICE**

**Yasmine Probst (Fellow Other)**  
2015 contribution \$94,856.80



National Health & Medical Research Council (NHMRC).  
Translating Research Into Practice (TRIP) Fellowships.

**INTEGRATING INDIGENOUS STUDENT SUPPORT  
THROUGH INDIGENOUS PERSPECTIVES  
EMBEDDED IN ENGINEERING CURRICULA**

Thomas Goldfinch (Chief Investigator), Jade Kennedy  
(Chief Investigator), Elizabeth Leigh (Chief Investigator),  
Timothy McCarthy (Chief Investigator), Christopher Cook  
(Chief Investigator), **Paul Chandler (Chief Investigator)**,  
Juliana Prpic (Chief Investigator), Les Dawes (Chief  
Investigator)

2015 contribution \$53,000

Office of Learning & Teaching. Innovation and  
Development Program

**DO PHYSICAL ACTIVITY AND ELECTRONIC  
SCREEN BEHAVIOURS INFLUENCE COGNITIVE  
AND PSYCHOSOCIAL DEVELOPMENT IN  
PRESCHOOL CHILDREN?**

**Dylan Cliff (DECRA)**

2015 Contribution \$138,069

Australian Research Council. Discovery Early Career  
Researcher Award (DECRA)

**PEDAGOGIES FOR KNOWLEDGE-BUILDING:  
INVESTIGATING SUBJECT-APPROPRIATE,  
CUMULATIVE TEACHING**

Karl Maton (Chief Investigator), James Martin (Chief  
Investigator), Len Unsworth (Chief Investigator), **Sarah  
Howard (Chief Investigator)**

2015 Contribution \$9,600

Australian Research Council. Discovery Projects

**MOVE FOR MENTAL HEALTH**

**Stewart Vella (Chief Investigator), Anthony Okely  
(Chief Investigator)**, Simon Eckermann (Chief  
Investigator), Frank Deane (Chief Investigator)  
University Of Wollongong. [Global Challenges Project  
Funding](#)

\$ 75,000 awarded in 2014

**THE EFFECT OF CULTURE: EXPLORING  
RELATIONSHIPS BETWEEN SUBJECT-AREA  
TECHNOLOGY INTEGRATION IN SECONDARY  
SCHOOL, TEACHERS' KNOWLEDGE PRACTICES  
AND STUDENT LEARNING**

**Sarah Howard (Chief Investigator)**, Amy Chan (Chief  
Investigator)

University Of Wollongong. [Small Grant](#)

\$5,000 awarded in 2014

**LEARNING THROUGH ONLINE DIALOGUE: A  
LINGUISTIC INVESTIGATION OF SCAFFOLDING  
FOR PRODUCTIVE DISCUSSIONS IN  
TECHNOLOGY-DRIVEN SUBJECTS**

**Pauline Jones (Chief Investigator), Irina Verenikina  
(Chief Investigator)**

University Of Wollongong. [Small Grant](#)

\$5,000 awarded in 2014

**RETHINKING CAPITAL: EXPLORING THE  
NATURE OF CULTURAL CAPITAL IN THE  
CONTEXT OF TRANSITION TO HIGHER  
EDUCATION FOR FIRST IN FAMILY UNIVERSITY  
STUDENTS**

**Sarah O'Shea (Chief Investigator)**

University Of Wollongong [Small Grant](#)

\$5,000 awarded in 2014

**ACUTE EFFECTS OF A "REDUCED-SITTING SCHOOL DAY" ON ENERGY EXPENDITURE AND CARDIO-METABOLIC HEALTH IN ADOLESCENTS**

**Anne-Maree Parrish (Chief Investigator), Dylan Cliff (Chief Investigator), Bridget Kelly (Chief Investigator)**  
University Of Wollongong. [Small Grant](#)  
\$12,000 awarded in 2014

**VASCULAR ADAPTATION OF THE NEWBORN: HYDROGEN SULPHIDE AS A FUNDAMENTAL SIGNALING MOLECULE AND NOVEL TARGET FOR THERAPY**

**Ian Wright (Chief Investigator)**  
University Of Wollongong. [Near Miss](#)  
\$14,000 awarded in 2014

**DEVELOPING A BEST-PRACTICE MODEL FOR INTERNATIONALISING UNIVERSITY WORK-INTEGRATED LEARNING EXPERIENCES**

**Bridget Kelly (Chief Investigator), Heather Yeatman (Chief Investigator), Wilhelmina Vialle (Chief Investigator)**  
University Of Wollongong. [ESDF](#)  
\$15,000 awarded in 2014

**SCAFFOLDING PRODUCTIVE ONLINE DISCUSSION TO ENHANCE UNIVERSITY STUDENTS' CONSTRUCTION OF KNOWLEDGE AND COMMUNICATION COMPETENCIES**

**Irina Verenikina (Chief Investigator), Pauline Jones (Chief Investigator)**  
University Of Wollongong. [ESDF](#)  
\$10,000 awarded in 2014

**GAMIFYING PHYSICAL ACTIVITY AND MOTOR SKILL DEVELOPMENT FOR PRE-SCHOOL FAMILIES USING SMARTPHONES**

**Holly Tootell (Chief Investigator), Mark Freeman (Chief Investigator), Grant Ellmers (Chief Investigator), Anthony Okely (Chief Investigator), Lawrence Foweather (Chief Investigator)**  
University Of Wollongong. [Global Challenges Strategic Funding](#)  
\$4,921 awarded in 2014

**EXECUTIVE FUNCTION, SELF-REGULATION AND BRAIN FUNCTION IN EARLY CHILDHOOD**

**Stuart Johnstone (Chief Investigator), Steven Howard (Chief Investigator)**  
University Of Wollongong. [Social Sciences Seed Grant](#)  
\$16,373 awarded in 2014

**MAPPING THE WOLLONGONG COMMERCIAL FOOD MARKETING LANDSCAPE AND OPTIONS FOR PUBLIC POLICY**

**Bridget Kelly (Chief Investigator), Jennifer Todd (Chief Investigator)**  
University Of Wollongong. [Social Sciences Seed Grant](#)  
\$3,000 awarded in 2014

**INVESTIGATING THE QUALITY OF EFFECTIVE EARLY EDUCATION FOR 2-5 YEARS OLDS**

**Iram Siraj (Chief Investigator)**  
University Of Wollongong. [Social Sciences Seed Grant](#)  
\$10,000 awarded in 2014

**DEVELOPMENT OF A PRINCIPLED  
FRAMEWORK FOR INVESTIGATING  
MEDICATION MANAGEMENT INFORMATION  
SYSTEMS (MMIS) FOR CONSUMERS**

**Khin Win (Chief Investigator), Sarah Howard (Chief Investigator), Judy Mullan (Chief Investigator), Willy Susilo (Chief Investigator), Man Ho Allen Au (Chief Investigator), Joshua Fan (Chief Investigator), Mon Tut (Chief Investigator)**

University Of Wollongong. [Global Challenges Strategic Funding](#)

\$3,532 awarded in 2014

**WHOLE GRAINS PREVENT DIABETES IN MIDDLE  
AGE**

**Stephen Lillioja (Chief Investigator), Raymond Chambers (Chief Investigator), Linda Tapsell (Chief Investigator), Bridget Kelly (Chief Investigator), Francine Grodstein (Investigator)**

University Of Wollongong. [Global Challenges Strategic Funding](#)

\$5,000 awarded in 2014

**THE DEVELOPMENT OF AN AFTERSCHOOL  
OBESITY PREVENTION PROGRAM FOR  
ABORIGINAL CHILDREN LIVING IN THE  
ILLAWARRA REGION**

**Rebecca Stanley (Chief Investigator), Yasmine Probst (Chief Investigator), Bronwyn Carlson (Chief Investigator), Anthony Okely (Chief Investigator)**

University Of Wollongong. [Global Challenges Seed Funding](#)

\$13,900 awarded in 2014

**CONCEPTUALISING DIGITAL PLAY: THE ROLE  
OF TABLET TECHNOLOGIES IN THE  
DEVELOPMENT OF IMAGINATIVE PLAY OF  
YOUNG CHILDREN**

ESRI ANNUAL REPORT - 2015

**Irina Verenikina (Chief Investigator), Lisa Kervin (Chief Investigator), Murphy Colette (Chief Investigator)**  
[Australian Research Council \(ARC\). Discovery Projects](#)  
\$126,000 awarded in 2014

**DESIGNING EFFECTIVE LEARNING  
EXPERIENCES: INVESTIGATING NOVICE AND  
EXPERT TEACHERS' DESIGN PROCESSES**

**Susan Bennett (Chief Investigator), Shirley Agostinho (Chief Investigator), Lori Lockyer (Chief Investigator)**

[Australian Research Council \(ARC\). Discovery Projects](#)

\$269,825 awarded in 2014

**SMARTSCOPE PRO FUNDUS CAMERA AND  
LAPTOP**

**Anthony Okely (Chief Investigator), Ian Wright (Chief Investigator), Dylan Cliff (Chief Investigator), Megan Kelly (Chief Investigator), Karen Charlton (Chief Investigator), Rute Roberto Dos Santos (Chief Investigator)**

[National Health and Medical Research Council \(NHMRC\). Equipment Grant](#)

\$6,264 awarded in 2014

**PARTNERS IN RECOVERY: MENTAL ATLAS OF  
SOUTH WESTERN SYDNEY**

**Grant Gruchley (Chief Investigator), Xiaoqi Feng (Chief Investigator)**

[Partners in Recovery -South Western Sydney. Systems and Services Improvement Fund](#)

\$13,900 awarded in 2014

**AN AFTER-SCHOOL PROGRAM TO PRO MOTE  
PHYSICAL ACTIVITY, COGNITIVE  
DEVELOPMENT & ACADEMIC LEARNING**

**Anthony Okely, Dylan Cliff, Anne-Maree Parrish, Stewart Vella, Rebecca Stanley.**

[Big Fat Smile Group Ltd. Research Partnerships Grant Scheme](#)

\$10,000 awarded in 2014

**IMPROVING ASSESSMENT UNDERSTANDING  
EDUCATIONAL DECISION-MAKING IN  
PRACTICE**

**Susan Bennett**

Office of Learning & Teaching. Innovation and  
Development Grant

\$12,640 awarded in 2014

**COMBINED COGNITIVE AND STATE CONTROL  
TRAINING FOR CHILDREN WITH ADHD OR  
SIMILAR SYMPTOMS**

**Susan Bennett, Stuart Johnstone, Steven Roodenrys**  
Neuro Cognitive Software Pty Ltd. Research Partnerships  
Grant Scheme

\$2,500 awarded in 2014

**COMBINED COGNITIVE AND STATE CONTROL  
TRAINING FOR CHILDREN WITH ADHD OR  
SIMILAR SYMPTOMS**

**Susan Bennett, Stuart Johnstone, Steven Roodenrys**  
Department of Foreigns Affairs & Trade. Research  
Partnerships Grant Scheme

\$6,840 awarded in 2014

**NATIONAL LEARNING & TEACHING RESOURCE  
AUDIT & CLASSIFICATION**

**Susan Bennett**

Office of Learning & Teaching Grant. Strategic Priority  
Projects

\$10,000 awarded in 2014

**THE NATIONAL ENGLISH CURRICULUM:  
UNDERSTANDING THE DEVELOPMENT  
INTERPRETATION & IMPLEMENTATION**

**Lisa Kervin**

Australian Research Council. Discovery Projects  
\$9,345 awarded in 2014

**POSTDOCTORAL RESEARCH FELLOWSHIP  
SEDENTARY BEHAVIOUR IN CHILDREN:  
MEASUREMENT, PATTERNS & DETERMINANTS**  
**Dylan Cliff**

National Heart Foundation of Australia. Fellowships  
\$39,254 contributed in 2014

**MAXIMISING THE POTENTIAL OF AUSTRALIA'S  
LANGUAGE RESOURCES: EXPLORING AND  
DEVELOPING LANGUAGES ACROSS SECTORS,  
SCHOOLS AND COMMUNITIES"**

**Jan Wright**

ARC Linkage

\$ 309,000 was awarded in 2011 and the project has  
continued onto 2015.

**MUTUAL DE SEGURIDAD  
RESEARCH FUNDING (CHILE)**

Vinodkumar Gopaldasani (Chief Investigator), Jane  
Whitelaw (Chief Investigator), **Bridget Kelly (Chief  
Investigator)**, Alison Bell (Chief Investigator) were  
awarded \$201,842.00 for the project titled "Improving  
health and safety outcomes in Chilean miners: a lifestyle  
intervention program to improve wellbeing and decrease  
musculoskeletal injuries

## **NATIONAL HEALTH AND MEDICAL RESEARCH COUNCIL (NHMRC)**

### **EQUIPMENT GRANT**

**Anthony Okely (Chief Investigator), Dylan Cliff (Chief Investigator), Rebecca Stanley (Chief Investigator), Rute Roberto Dos Santos (Chief Investigator), Anne-Maree Parrish (Chief Investigator), Xiaoqi Feng (Chief Investigator), Thomas Astell-Burt (Chief Investigator), Ian Wright (Chief Investigator)** were awarded \$4000 for the equipment purchase and maintenance of Actigraph GT3X accelerometers.

### **INTERNATIONAL STUDY ASSOCIATION ON TEACHERS AND TEACHING (ISATT) – GRANT AWARDED**

**Wendy Nielsen (Chief Investigator)** was awarded a grant of \$500 for the project titled “Teacher Mentoring knowledge and supervisory strategies: the use of the Mentoring Profile Inventory (MPI) as an online resource in the practicum setting”

# CONTRACT RESEARCH 2015

## Evaluating the Validity & Reliability of the NSW DEC Physical Literacy Continuum

NSW Department of Education & Training

**Tony Okely**

\$19,722.05

## Phase 1 - Scoping study for Barley Max whole grain

The Healthy Grain Pty Ltd

**Dr Yasmine Probst**

\$3850

## Starting Strong: Making Children Resilient in Early Childhood

Big Fat Smile Group Ltd

**Amy Conley Wright**

\$31,590.91

## The Effect Of Urban Form On Mental Health

Western Sydney University

**Xiaoqi Feng**

\$13,800

## Partners in recovery: Mental atlas of South Western Sydney

University of Sydney

**Xiaoqi Feng**

\$20,750

## Atlas Of Glenorchy LGA Illustration Of Community Liveability Indicators

The Sax Institute

**Xiaoqi Feng**

\$34,335.46

## Young children's Identity Formation in the Context of Open Adoption

Barnardos Australia

**Marc de Rosnay**

\$27,225.54

## Fostering Effective Early Learning (FEEL) study

NSW Department of Education

**Iram Siraj, Edward Melhuish, Marc de Rosnay,**

**Steven Howard, Cathrine Neilsen-Hewett**

\$1,042,700

## Goodstart ECHO centres RCT

Goodstart Australia 2015-2016

**Iram Siraj, Pauline Lysaght, Steven Howard,**

**Edward Melhuish, Cathrine Neilson Hewitt**

\$423,665

## Goodstart Pilot Eval

Goodstart Australia 2014-2015

**Iram Siraj, Pauline Lysaght, Steven Howard,**

**Edward Melhuish.**

\$42,357

# ESRI PUBLICATIONS 2015

## REFEREED JOURNAL ARTICLES 2015

Condon-Paoloni, D., **Yeatman, H. R.** & Grigonis-Deane, E. (2015). Health-related claims on food labels in Australia: understanding environmental health officers' roles and implications for policy. *Public Health Nutrition*, 18 (1), 81-88.

**Howard, S. K.**, Chan, A. & **Caputi, P.** (2015). More than beliefs: Subject areas and teachers' integration of laptops in secondary teaching. *British Journal of Educational Technology*, 46 (2), 360-369.

Hughes, R., Begley, A. & **Yeatman, H.** (2015). Aspirational competency expectations for public health nutritionists in Australia: a consensus study. *Nutrition and Dietetics*, 72 (2), 122-131.

**Vella, S. A.**, **Cliff, D. P.**, Magee, C. A. & **Okely, A. D.** (2015). Associations between sports participation and psychological difficulties during childhood: a two-year follow up. *Journal of Science and Medicine in Sport*, 18 (3), 304-309.

Jaffee, S. R., McFarquhar, T., Stevens, S., Ouellet-Morin, I., **Melhuish, E.** & Belsky, J. (2015). Interactive effects of early and recent exposure to stressful contexts on cortisol reactivity in middle childhood. *Journal of Child Psychology and Psychiatry and Allied Disciplines*, 56 (2), 138-146.

**Kelly, B.**, King, L., Jamiyan, B., Chimedtseren, N., Bold, B., Medina, V. M., De los Reyes, S. J., Marquez, N. V., Rome, A. P., Cabanes, A. O., Go, J., Bayandorj, T., Carlos, M. B. & Varghese, C. (2015). Density of outdoor food and beverage advertising around schools in Ulaanbaatar (Mongolia) and Manila (The Philippines) and implications for policy. *Critical Public Health*, 25 (3), 280-290.

Hagenbuchner, M., **Cliff, D. P.**, Trost, S. G., Van Tuc, N. & Peoples, G. E. (2015). Prediction of activity type in

preschool children using machine learning techniques. *Journal of Science and Medicine in Sport*, 18 (4), 426-431.

**Reilly, J. J.**, Janssen, X., **Cliff, D. P.** & **Okely, A. D.** (2015). Appropriateness of the definition of 'sedentary' in young children: Whole-room calorimetry study. *Journal of Science and Medicine in Sport*, 18 (5), 565-568.

**Nielsen, W.**, Miller, K. & **Hoban, G.** (2015). Science teachers' response to the Digital Education Revolution. *Journal of Science Education and Technology*, 24 (4), 417-431.

Archer, C. & **Siraj, I.** (2015). Measuring the quality of movement-play in Early Childhood Education settings: Linking movement-play and neuroscience. *European Early Childhood Education Research Journal*, 23 (1), 21-42.

**Bennett, S.**, **Agostinho, S.** & Lockyer, L. (2015). Technology tools to support learning design: Implications derived from an investigation of university teachers' design practices. *Computers and Education*, 81 211-220.

**O'Shea, S.** (2015). Filling up silences-first in family students, capital and university talk in the home. *International Journal of Lifelong Education*, 34 (2), 1-17.

**Astell-Burt, T.** & **Feng, X.** (2015). Investigating 'place effects' on mental health: implications for population-based studies in psychiatry. *Epidemiology and Psychiatric Sciences*, 24 (1), 27-37.

**Astell-Burt, T.**, **Feng, X.** & Kolt, G. S. (2015). Identification of the impact of crime on physical activity depends upon neighbourhood scale: multilevel evidence from 203,883 Australians. *Health and Place*, 31 120-123.

Berry, M., Gray, C., Wright, K., Dyson, R. & **Wright, I.** (2015). Premature guinea pigs: a new paradigm to

investigate the late-effects of preterm birth. *Journal of Developmental Origins of Health and Disease*, 6 (2), 143-148.

Ouwehand, K., van Gog, T. & **Paas, F.** (2015). Effects of gestures on older adults' learning from video-based models. *Applied Cognitive Psychology*, 29 (1), 115-128.

**Howard, S. J. & Okely, A. D.** (2015). Catching fish and avoiding sharks: investigating factors that influence developmentally appropriate measurement of preschoolers' inhibitory control. *Journal of Psychoeducational Assessment*, 33 (6), 585-596.

Mihalca, L., Mengelkamp, C., Schnotz, W. & **Paas, F.** (2015). Completion problems can reduce the illusions of understanding in a computer-based learning environment on genetics. *Contemporary Educational Psychology*, 41 157-171.

Riddiford-Harland, D. L., **Steele, J. R., Cliff, D. P., Okely, A. D.,** Morgan, P. J., **Jones, R. A.** & Baur, L. A. (2015). Lower activity levels are related to higher plantar pressures in overweight children. *Medicine and Science in Sports and Exercise*, 47 (2), 357-362.

Janssen, X., **Cliff, D., Reilly, J.,** Hinkley, T., **Jones, R., Batterham, M.,** Ekelund, U., Brage, S. & Okely, T. (2015). Evaluation of Actical equations and thresholds to predict physical activity intensity in young children. *Journal of Sports Sciences*, 33 (5), 498-506.

Tindall-Ford, S., **Agostinho, S.,** Bokosmaty, S., **Paas, F. & Chandler, P.** (2015). Computer-based learning of geometry from integrated and split attention worked examples: the power of self-management. *Educational Technology and Society*, 18 (4), 89-99.

Fink, E., Begeer, S., Peterson, C. C., Slaughter, V. & **de Rosnay, M.** (2015). Friends, friendlessness, and the social

consequences of gaining a theory of mind. *British Journal of Developmental Psychology*, 33 (1), 27-30.

Heijltjes, A., van Gog, T., Leppink, J. & **Paas, F.** (2015). Unraveling the effects of critical thinking instructions, practice, and self-explanation on students' reasoning performance. *Instructional Science*, 43 (4), 487-506.

**Wright, J.,** Maher, J. & Tanner, C. (2015). Social class, anxieties and mothers' foodwork. *Sociology of Health and Illness*, 37 (3), 422-436.

Basterfield, L., Reilly, J. K., Pearce, M. S., Parkinson, K. N., Adamson, A. J., Reilly, J. J. & **Vella, S. A.** (2015). Longitudinal associations between sports participation, body composition and physical activity from childhood to adolescence. *Journal of Science and Medicine in Sport*, 18 (2), 178-182.

Mogensen, C., Miller, L. M. & **Roodenrys, S.** (2015). Not so fast! Talker variability in serial recall at standard presentation rates. *Canadian Journal of Experimental Psychology*, 69 (1), 39-53.

**Probst, Y. C. & Cunningham, J.** (2015). An overview of the influential developments and stakeholders within the food composition program of Australia. *Trends in Food Science and Technology*, 42 (2), 173-182.

McMahon, S., **Harwood, V.** & Hickey-Moody, A. (2015). 'Students that just hate school wouldn't go': educationally disengaged and disadvantaged young people's talk about university. *British Journal of Sociology of Education*, online first

**Howard, S. J., Okely, A. D. & Ellis, Y. G.** (2015). Evaluation of a differentiation model of preschoolers' executive functions. *Frontiers in Psychology*, 6 (285), 1-7.

**Harwood, V.,** McMahon, S., **O'Shea, S.,** Bodkin-Andrews, G. & Priestly, A. (2015). Recognising aspiration: The AIME program's effectiveness in inspiring



Indigenous young people's participation in schooling and opportunities for further education and employment. *The Australian Educational Researcher*, 42 (2), 217-236.

**Probst, Y.** (2015). A review of the nutrient composition of selected *Rubus* berries. *Nutrition and Food Science*, 45 (2), 242-254.

**O'Shea, S.,** Stone, C. & Delahunty, J. (2015). "I 'feel' like I am at university even though I am online." Exploring how students narrate their engagement with higher education institutions in an online learning environment. *Distance Education*, 36 (1), 41-58.

Gordon, C. S., Jones, S. C. & **Kervin, L.** (2015). Effectiveness of alcohol media literacy programmes: a systematic literature review. *Health Education Research*, 30 (3), 449-465.

Dudley, D., Pearson, P. J., **Okely, A. D.** & Cotton, W. G. (2015). Recommendations for policy and practice of physical education in culturally and linguistically diverse Australian secondary schools based on a two-year prospective cohort study. *School Psychology International*, 36 (2), 172-188.

Buchanan, L., Charlton, K. E., **Roodenrys, S.,** Cocuz, D., Pendergast, T. & Ma, G. (2015). Iodine status not associated with cognitive functioning in older Australians. *Journal of Aging Research and Clinical Practice*, 4 (1), 16-24.

**Howard, S. J.,** Burianova, H., Ehrich, J., **Kervin, L.,** Calleia, A., Barkus, E., Carmody, J. & Humphry, S. (2015). Behavioral and fMRI evidence of the differing cognitive load of domain-specific assessments. *Neuroscience*, 297 38-46.

Dyson, R. M., Palliser, H. K., Latter, J. L., Kelly, M. A., Chwatko, G., Glowacki, R. & **Wright, I. M. R.** (2015). Interactions of the gasotransmitters contribute to microvascular tone (Dys) regulation in the preterm

neonate. *PLoS One*, 10 (3), e0121621-1-e0121621-15.

Macniven, R., **Kelly, B.** & King, L. (2015). Unhealthy product sponsorship of Australian national and state sports organisations. *Health Promotion Journal of Australia*, 26 (1), 52-56.

**O'Shea, S.** (2015). Arriving, surviving, and succeeding: first-in-family women and their experiences of transitioning into the first year of university. *Journal of College Student Development*, 56 (5), 499-517.

**Nielsen, W. & Hoban, G.** (2015). Designing a digital teaching resource to explain phases of the moon: a case study of preservice elementary teachers making a slowmation. *Journal of Research in Science Teaching*, 52 (9), 1207-1233.

Moore, M., **Yeatman, H.** & Davey, R. (2015). Which nanny - the state or industry? Wowzers, teetotallers and the fun police in public health advocacy. *Public Health*, 129 (8), 1030-1037.

Fink, E., Heathers, J. A. J. & **de Rosnay, M.** (2015). Young children's affective responses to another's distress: dynamic and physiological features. *PLoS One*, 10 (4), 1-21.

Gardner, L. A., **Vella, S. A.** & Magee, C. A. (2015). The relationship between implicit beliefs, anxiety, and attributional style in high-level soccer players. *Journal of Applied Sport Psychology*, 27 (4), 398-411.

Dalecki, A., **Johnstone, S. J.** & Croft, R. J. (2015). Clarifying the functional process represented by P50 suppression. *International Journal of Psychophysiology*, 96 (3), 149-154.

Hider, P., Liu, Y., Gerts, C., Daws, C., Dalgarno, B., **Bennett, S.,** Spiller, B., Parkes, R., Knight, P., Mitchell, P., Macaulay, R. & Carlson, L. (2015). Developing a schema for describing the contents of the office for

learning and teaching's resource library. Australian Academic and Research Libraries, 46 (3), 151-163.

Fink, E., Begeer, S., Peterson, C. C., Slaughter, V. & **de Rosnay, M.** (2015). Friendlessness and theory of mind: a prospective longitudinal study. *British Journal of Developmental Psychology*, 33 (1), 1-17.

Zimmerman, P., **Yeatman, H.**, Jones, M. & Murdoch, H. (2015). Success in the South Pacific: a case study of successful diffusion of an infection prevention and control program. *Healthcare Infection*, 20 (2), 54-61.

**Astell-Burt, T., Feng, X.**, Kolt, G. S. & Jalaludin, B. (2015). Does rising crime lead to increasing distress? Longitudinal analysis of a natural experiment with dynamic objective neighbourhood measures. *Social Science and Medicine*, 138 68-73.

Jiang, H. & **Johnstone, S. J.** (2015). A preliminary multiple case report of neurocognitive training for children with AD/HD in China. *Sage Open*, 5 (2), 1-13.

Tataranno, M. L., Oei, J. L., Perrone, S., **Wright, I. M.**, Smyth, J. P., Lui, K., Tarnow-Mordi, W. O., Longini, M., Proietti, F., Negro, S., Saugstad, O. D. & Buonocore, G. (2015). Resuscitating preterm infants with 100% oxygen is associated with higher oxidative stress than room air. *Acta Paediatrica: promoting child health*, 104 (8), 759-765.

Garner, A., Jones, S. & **Harwood, V.** (2015). Authentic representations or stereotyped 'outliers': using the CARS2 to assess film portrayals of Autism Spectrum Disorders. *International Journal of Culture and Mental Health*, 8 (4), 414-425.

Zhou, M., **Astell-Burt, T.**, Yin, P., **Feng, X.**, Page, A., Liu, Y., Liu, J., Li, Y., Liu, S., Wang, L., Wang, L. & Wang, L. (2015). Spatiotemporal variation in diabetes mortality in China: multilevel evidence from 2006 and 2012. *BMC Public Health*, 15 (633), 1-10.

Liu, S., Page, A., Yin, P., **Astell-Burt, T., Feng, X.**, Liu, Y., Liu, J., Wang, L. & Zhou, M. (2015). Spatiotemporal variation and social determinants of suicide in China, 2006–2012: findings from a nationally representative mortality surveillance system. *Psychological Medicine*, 45 (15), 3259-3268.

Guo, K., Yin, P., Wang, L., Ji, Y., Li, Q., Bishai, D., Liu, S., Liu, Y., **Astell-Burt, T., Feng, X.**, You, J., Liu, J. & Zhou, M. (2015). Propensity score weighting for addressing under-reporting in mortality surveillance: a proof-of-concept study using the nationally representative mortality data in China. *Population Health Metrics*, 13 (16), 1-11.

**Astell-Burt, T. & Feng, X.** (2015). Geographic inequity in healthy food environment and type 2 diabetes: can we please turn off the tap? *Medical Journal of Australia*, 203 (6), 246-248.

Sanders, T., **Feng, X.**, Fahey, P. P., Lonsdale, C. & **Astell-Burt, T.** (2015). Greener neighbourhoods, slimmer children? Evidence from 4423 participants aged 6 to 13 years in the Longitudinal Study of Australian Children. *International Journal of Obesity*, 39 (8), 1224-1229.

**Feng, X.**, Flowerdew, R. & Feng, Z. (2015). Does neighbourhood influence ethnic inequalities in economic activity? Findings from the ONS Longitudinal Study. *Journal of Economic Geography*, 15 (1), 169-194.

Mavoa, S., Koohsari, M. J., Badland, H. M., Davern, M., **Feng, X., Astell-Burt, T.** & Giles-Corti, B. (2015). Area-level disparities of public open space: A Geographic Information Systems analysis in metropolitan Melbourne. *Urban Policy and Research*, 33 (3), 306-323.

Ruiter, M., Loyens, S. & **Paas, F.** (2015). Watch your step children! Learning two-digit numbers through mirror-based observation of self-initiated body movements. *Educational Psychology Review*, 27 (3), 457-474.

**Chandler, P.** & Tricot, A. (2015). Mind your body: the essential role of body movements in children's learning. *Educational Psychology Review*, 27 (3), 365-370.

Quy, T. M., **Yeatman, H.**, Flood, V., Chuong, N. C. & Tuan, B. V. (2015). Prevalence and risks of fascioliasis among adult cohorts in Binh Dinh and Quang Ngai provinces-central Viet Nam. *Vietnam Journal of Public Health*, 3 (1), 46-61.

**Probst, Y.**, Nguyen, D., Tran, M. & Li, W. (2015). Dietary assessment on a mobile phone using image processing and pattern recognition techniques: Algorithm design and system prototyping. *Nutrients*, 7 (8), 6128-6138.

Allen, M. S. & **Vella, S. A.** (2015). Longitudinal determinants of walking, moderate, and vigorous physical activity in Australian adults. *Preventive Medicine*, 78 101-104.

Carrad, A. M., Louie, J., Milosavljevic, M., **Kelly, B.** & Flood, V. M. (2015). Consumer support for healthy food and drink vending machines in public places. *Australian and New Zealand Journal of Public Health*, 39 (4), 355-357.

Hinkley, T., **Cliff, D. P.** & **Okely, A. D.** (2015). Reducing electronic media use in 2-3 year-old children: Feasibility and efficacy of the Family@play pilot randomised controlled trial. *BMC Public Health*, 15 (779), 1-12.

Janssen, X. & **Cliff, D. P.** (2015). Issues related to measuring and interpreting objectively measured sedentary behavior data. *Measurement in Physical Education and Exercise Science*, 19 (3), 116-124.

**Howard, S. K.**, Chan, A., Mozejko, A. & **Caputi, P.** (2015). Technology practices: confirmatory factor analysis and exploration of teachers' technology integration in subject areas. *Computers and Education*, 90 24-35.

Uebel, H., **Wright, I. M.**, Burns, L., Hilder, L., Bajuk, B., Breen, C., Abdel-Latif, M. E., Feller, J. M., Falconer, J., Clews, S., Eastwood, J. & Oei, J. (2015). Reasons for rehospitalization in children who had neonatal abstinence syndrome. *Pediatrics*, 136 (4), e811-e820.

Mavilidi, M., **Okely, A. D.**, **Chandler, P.**, **Cliff, D. P.** & **Paas, F.** (2015). Effects of integrated physical exercises and gestures on preschool children's foreign language vocabulary learning. *Educational Psychology Review*, 27 (3), 413-426.

Allen, M. S. & **Vella, S. A.** (2015). Screen-based sedentary behaviour and psychosocial well-being in childhood: cross-sectional and longitudinal associations. *Mental Health and Physical Activity*, 9 41-47.

Houston, L., **Probst, Y.** & Martin, A. (2015). Measuring data quality through a source data verification audit in a clinical research setting. *Studies in Health Technology and Informatics*, 214 107-113. Driving Reform: Digital Health is Everyone's Business: Selected Papers from the 23rd Australian national Health Informatics Conference (HIC 2015)

Lynch, M., Wallace, C. & **Harwood, V.** (2015). Pathways to success: AIME's educational mentoring model. *Learning Communities: International Journal of Learning in Social Contexts*, 17 (October), 44-53.

Ouwehand, K., van Gog, T. & **Paas, F.** (2015). Designing effective video-based modeling examples using gaze and gesture cues. *Educational Technology and Society*, 18 (4), 78-88.

**Astell-Burt, T.**, Liu, Y., **Feng, X.**, Yin, P., Page, A., Liu, S., Liu, J., Wang, L. & Zhou, M. (2015). Health reform and mortality in China: Multilevel time-series analysis of regional and socioeconomic inequities in a sample of 73 million. *Scientific Reports*, 5

Moll, R., **Nielsen, W.** & Linder, C. (2015). Physics students' social media learning behaviors and

connectedness. *International Journal of Digital Literacy and Digital Competence*, 6 (2), 16-35.

Clancy, A. K., Woods, K., McMahon, A. & **Probst, Y.** (2015). Food composition database format and structure: a user focused approach. *PLoS One*, 10 (11), e0142137-1-e0142137-14.

Dixon, R. M., **Verenikina, I.**, Costley, D. M. et al (2015). The Use of iPADS in the Home Setting for STudents with Autism Spectrum Disorders. *Journal of Special Education Technology*, 30 (4), 193-206.

Abreu, S., Santos, P.C., Moreira, P., **Santos, R.**, Moreira, C., Montenegro, N., Mota, J. (2015) Predictors of adherence to the mediterranean diet from the first to the second trimester of pregnancy. *Nutricion Hospitalaria*, 31 (3) 1403-1412.

Agostinis Sobrinho, C.A., Moreira, C.M.M., Mota, J.A.P.S., **Santos, R.M.R.** (2015) C-reactive protein, physical activity and cardiorespiratory fitness in Portuguese adolescents: A cross-sectional study. *Cadernos de Saude Publica*. 31 (9) 1907-1915.

Lopes, L., **Santos, R.**, Moreira, C., Pereira, B., Lopes, V.P. (2015) Sensitivity and specificity of different measures of adiposity to distinguish between low/high motor coordination. *Jornal de Pediatria* 91 (1) 44-51.

Luz, L.G.O., Teixeira E Seabra, A.F., **Santos, R.**, Padez, C., Ferreira, J.P., Coelho-E-Silva, M.J. (2015) Association between BMI and body coordination test for children (KTK). A meta-analysis. *Revista Brasileira de Medicina do Esporte* 21 (3) 230-235.

Danaei, G., Fahimi, S., Lu, Y., Zhou, B., Hajifathalian, K., Cesare, M.D., Lo, W.-C., **R.N., Santos** ,et al. (2015) Effects of diabetes definition on global surveillance of diabetes prevalence and diagnosis: A pooled analysis of 96 population-based studies with 331 288 participants. *The Lancet Diabetes and Endocrinology* 3 (8) 624-637.

ESRI ANNUAL REPORT - 2015

**O'Shea, S.** (2015). "I generally say I am a mum first . . . but I'm studying at uni": The narratives of first-in-family, female caregivers transitioning into an Australian university. *Journal of Diversity in Higher Education*, 8 (4), 243-257.

**Kelly, B.**, King, L., Chapman, K., Boyland, E. J., Bauman, A. E. & Baur, L. A. (2015). A hierarchy of unhealthy food promotion effects: identifying methodological approaches and knowledge gaps. *American Journal of Public Health*, 105 (4), e86-e95.

**Jones, R. A., Kelly, J., Cliff, D. P., Batterham, M. & Okely, A. D.** (2015). Acceptability and potential efficacy of single-sex after-school activity programs for overweight and at-risk children: The Wollongong SPORT RCT. *Pediatric Exercise Science*, 27 (4), 535-545.

Allen, M. S. & **Vella, S. A.** (2015). Are the correlates of sport participation similar to those of screen time?. *Preventive Medicine Reports*, 2 114-117.

**Kervin, L., Verenikina, I.** & Rivera, M. (2015). Collaborative onscreen and offscreen play: examining meaning-making complexities. *Digital Culture and Education*, 7 (2), 228-239.

Kent, K., Charlton, K., **Roodenrys, S.**, Batterham, M., Potter, J., Traynor, V., Gilbert, H., Morgan, O. & Richards, R. (2015). Consumption of anthocyanin-rich cherry juice for 12 weeks improves memory and cognition in older adults with mild-to-moderate dementia. *European Journal of Nutrition*, Online First

**Feng, X.** & Wilson, A. (2015). Do neighbourhood socioeconomic circumstances not matter for weight status among Australian men? Multilevel evidence from a

household survey of 14 691 adults. *BMJ Open*, 5 (9), e007052-1-e007052-9.

Yung, H. I. & **Paas, F.** (2015). Effects of computer-based visual representation on mathematics learning and cognitive load. *Educational Technology and Society*, 18 (4), 70-77.

Hammersley, M. L., Cann, V. R., **Parrish, A., Jones, R. A.** & Holloway, D. (2015). Evaluation of the effects of a telephone-delivered health behaviour change program on weight and physical activity. *Nutrition and Dietetics*, 72 (4), 356-362.

Mantei, J. & **Kervin, L.** (2015). Examining the interpretations children share from their reading of an almost wordless picture book during independent reading time. *Australian Journal of Language and Literacy*, 38 (3), 183-192.

Roy, R., **Kelly, B.**, Rangan, A. & Allman-Farinelli, M. (2015). Food environment interventions to improve the dietary behavior of young adults in tertiary education settings: a systematic literature review. *Journal of the Academy of Nutrition and Dietetics*, 115 (10), 1647-1681.

Zhou, M., **Astell-Burt, T.**, Bi, Y., **Feng, X.**, Jiang, Y., Li, Y., Page, A., Wang, L., Xu, Y., Wang, L., Zhao, W. & Ning, G. (2015). Geographical variation in diabetes prevalence and detection in China: Multilevel spatial analysis of 98,058 adults. *Diabetes Care*, 38 (1), 72-81.

**Feng, X.** & Wilson, A. (2015). Getting bigger, quicker? gendered socioeconomic trajectories in body mass index across the adult lifecourse: a longitudinal study of 21,403 Australians. *PLoS One*, 10 (10), e0141499.-1-e0141499.-9.

**Agostinho, S.**, Tindall-Ford, S., Ginns, P., Howard, S. J., Leahy, W. & **Paas, F.** (2015). Giving learning a helping hand: finger tracing of temperature graphs on an iPad. *Educational Psychology Review*, 27 (3), 427-443.

Sanders, T., **Feng, X.**, Fahey, P. P., Lonsdale, C. & **Astell-Burt, T.** (2015). Green space and child weight status: Does outcome measurement matter? Evidence from an Australian longitudinal study. *Journal of Obesity*, 2015 194838-1-194838-8.

Allen, M. S., **Vella, S. A.** & Laborde, S. (2015). Health-related behaviour and personality trait development in adulthood. *Journal of Research in Personality*, 59 104-110.

Angus, D. J., **de Rosnay, M.**, Lunenburg, P., Terwogt, M. M. & Begeer, S. (2015). Limitations in social anticipation are independent of imaginative and Theory of Mind abilities in children with autism but not in typically developing children. *Autism: the international journal of research and practice*, 19 (5), 604-612.

Turner, L., **Kelly, B.**, Boyland, E. & Bauman, A. E. (2015). Measuring food brand awareness in Australian children: development and validation of a new instrument. *PLoS One*, 10 (7), e0133972-1-e0133972-16.

**Probst, Y.**, Nguyen, D., Rollo, M. & Li, W. (2015). mHealth diet and nutrition guidance. In S. Adibi (Eds.), *mHealth Multidisciplinary Verticals* (pp. 65-82). Boca Raton, United States: CRC Press.  
<https://www.crcpress.com/product/isbn/9781482214802#googlePreviewContainer>

O'Hara, K., **Wright, I. M. R.**, Schneider, J. J., Jones, A. L. & Martin, J. H. (2015). Pharmacokinetics in neonatal prescribing: evidence base, paradigms and the future. *British Journal of Clinical Pharmacology*, 80 (6), 1281-1288.

Toumpaniari, K., Loyens, S., Mavilidi, M. & **Paas, F.** (2015). Preschool children's foreign language vocabulary

learning by embodying words through physical activity and gesturing. *Educational Psychology Review*, 27 (3), 445-456.

Veldman, S. L. C., **Okely, A. D. & Jones, R. A.** (2015). Promoting gross motor skills in toddlers: the active beginnings pilot cluster randomized trial. *Perceptual and Motor Skills*, 121 (3), 857-872.

Ng, S., **Kelly, B.**, Se, C., Sahathevan, S., Chinna, K., Ismail, M. & Karupaiah, T. (2015). Reading the mind of children in response to food advertising: A cross-sectional study of Malaysian schoolchildren's attitudes towards food and beverages advertising on television. *BMC Public Health*, 15 (1), 1047-1-1047-14.

Allen, M. S., **Vella, S. A.** & Laborde, S. (2015). Sport participation, screen time, and personality trait development during childhood. *British Journal of Developmental Psychology*, 33 (3), 375-390.

Sanders, T., **Feng, X.**, Fahey, P. P., Lonsdale, C. & Astell-Burt, T. (2015). The influence of neighbourhood green space on children's physical activity and screen time: Findings from the longitudinal study of Australian children. *International Journal of Behavioral Nutrition and Physical Activity*, 12 (1), 126-1-126-9.

**Vella, S. A.**, Magee, C. A. & Cliff, D. P. (2015). Trajectories and predictors of health-related quality of life during childhood. *Journal of Pediatrics*, 167 (2), 422-427.

Will Baker, Pam Sammons, **Iram Siraj-Blatchford**, Kathy Sylva, **Edward C. Melhuish** & Brenda Taggart (2014) *Aspirations, education and inequality in England: insights from the Effective Provision of Pre-school, Primary and Secondary Education* DOI: 10.1080/03054985.2014.953921 Project, *Oxford Review of Education*, 40:5, 525-542,

Marques, A., **Santos, R.**, Ekelund, U. & Sardinha, L. B. (2015). Association between physical activity, sedentary

time, and healthy fitness in youth. *Medicine and Science in Sports and Exercise*, 47 (3), 575-580.

Goncalves, C., Abreu, S., Padrao, P., Pinho, O., Graca, P., Breda, J., **Santos, R.** & Moreira, P. (2015). Association between sodium excretion and hydration status by Free Water Reserve: a cross-sectional analysis in adolescents. *BMC Nutrition*, 1 (17), 1-8.

Aziza Mayo & **Iram Siraj** (2015) *Parenting practices and children's academic success in low-SES families*, *Oxford Review of Education*, 41:1, 47-63, DOI: 10.1080/03054985.2014.995160

Pam Sammons, Katalin Toth, Kathy Sylva, **Edward Melhuish, Iram Siraj**, Brenda Taggart (2015), "The long-term role of the home learning environment in shaping students' academic attainment in secondary school", *Journal of Children's Services* Vol. 10 Iss 3 pp. 189 - 201

## BOOKS 2015

Archer, C. & **Siraj, I.** (2015). *Encouraging Physical Development Through Movement-Play*. London, United Kingdom: Sage Publications Ltd.



## BOOK CHAPTERS 2015

Sprod, R., **Agostinho, S.** & Harper, B. (2015). A social networking website that provides educational support to children living with Type 1 diabetes. In H. Tinmaz (Eds.), *Cases on Social Networking Websites for Instructional Use* (p. in press). Hershey, United States: IGI Global.

**Kelly, B.** & King, L. (2015). The impact of marketing of 'junk' foods on children's diet and weight. In T. Gill (Eds.), *Managing and Preventing Obesity: Behavioural Factors and Dietary Interventions* (pp. 311-324). Sawston, United Kingdom: Woodhead Publishing.

**Probst, Y.,** Thorne, R. & O'Shea, J. (2015). Progress of food-based dietary guidelines around the globe. In D. Ghosh, D. Bagchi & T. Konishi (Eds.), *Clinical Aspects of Functional Foods and Nutraceuticals* (pp. 3-31). Florida, United States: Taylor and Francis.  
<http://www.crcpress.com/product/isbn/9781466569102>

Schoevers, R. A. & **Duursma, E.** (2015). The framework for prevention. In O. I. Okereke (Eds.), *Prevention of Late-Life Depression* (pp. 5-18). New York, United States: Springer.

**Siraj, I.** & Asani, R. (2015). The role of sustained shared thinking, play and metacognition in young children's learning. In S. Robson & S. Flannery. Quinn (Eds.), *Routledge International Handbook of Young Children's Thinking and Understanding* (pp. 403-415). London: Routledge.

**Kervin, L. & Mantei, J.** (2015). Drawing + Talk = Powerful insights for teachers of writing. In J. Turbill, G. Barton & C. Brock (Eds.), *Teaching Writing in Today's Classrooms: Looking back to looking forward* (pp. 87-103). Norwood, Australia: Australian Literary Educators' Association.

Lipscombe, K., **Kervin, L. & Mantei, J.** (2015). Examining the writing process for digital literary text construction. In J. Turbill, G. Barton & C. Brock (Eds.),

*Teaching Writing in Today's Classrooms: Looking back to looking forward* (pp. 281-300). Norwood, Australia: Australian Literary Educators' Association.

**Howard, S. K.** & Mozejko, A. (2015). Teachers: technology, change and resistance. In M. Henderson & G. Romeo (Eds.), *Teaching and Digital Technologies: Big Issues and Critical Questions* (pp. 307-317). Port Melbourne, Australia: Cambridge University Press.

**Howard, S. K.** & Mozejko, A. (2015). Considering the history of digital technologies in education. In M. Henderson & G. Romero (Eds.), *Teaching and Digital Technologies: Big Issues and Critical Questions* (pp. 157-168). Port Melbourne, Australia: Cambridge University Press.

Hayhurst, L., Giles, A. & **Wright, J.** (2015) The benefits and challenges of girl-focused Indigenous SDP programs in Australia and Canada, in L. Hayhurst, T. Kay & M. Chawansky (eds) *Beyond Sport for Development and Peace: Transnational perspectives on theory, policy and practice*. Routledge

**Okely, A. D.** & Janssen, X. (2015). Early physical activity and sedentary behaviours. In L. Stewart & J. Thompson (Eds.), *Early Years Nutrition and Healthy Weight* (pp. 46-58). Chichester, United Kingdom: John Wiley & Sons, Ltd.



# ESRI IN THE MEDIA 2015

## Media releases

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WORLD-FIRST STUDY TO BOOST STANDARD OF EARLY CHILDHOOD TEACHING. The New South Wales Minister For Early Childhood Education Leslie Williams Has Announced A New Study That Will Offer Professional Development To Early Childhood Teachers And Educators Around The State In Order To Promote Children's Learning.

Featuring Marc de Rosnay, Dr Cathrine Neilsen-Hewett and Iram Siraj. Published 30/10/2015

<http://media.uow.edu.au/releases/UOW204574>

.....

ORGANISED SPORTS SUPPORT POSITIVE MENTAL HEALTH. The University of Wollongong (UOW) researcher who found that children who drop out of organised sports have a far greater risk of mental health problems will present the next 'Uni in the Brewery' on Wednesday, 18 November.

Featuring Dr Stewart Vella. Published 12/11/2015

<http://media.uow.edu.au/releases/UOW205460>

.....

DADS WHO READ TO THEIR CHILDREN GIVE THEM AN EARLY START. Dads who read, draw, do puzzles and other activities are not only helping their children develop motor skills, they may also be shaping their learning ability.

Featuring Dr Elisabeth Duursma. Published 26/09/2015

<http://media.uow.edu.au/releases/UOW202693>

.....

GLOBAL EXPERTS ON EARLY YEARS OF CHILDHOOD TO PROPOSE FUTURE STRATEGIES.

Inaugural Early Start conference examines theme of

ESRI ANNUAL REPORT - 2015

'changing children's lives.

Featuring Prof Fred Paas and Early Start Conference.

Published 24/09/2015

<http://media.uow.edu.au/releases/UOW202639>

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PRESCHOOLERS ENCOURAGED TO MOVE MORE, SIT LESS.

Standing Preschools Project investigates the positive health effects of moving more and sitting less.

Featuring Prof Tony Okely. Published 27/08/2015

<http://media.uow.edu.au/releases/UOW201184>

.....

CLOSING THE DIGITAL LITERACY GAP IN KIDS.

Australian Children May Not Be As Tech-Savvy As Once Thought, According To A Uow Education Expert.

Featuring Professor Sue Bennett. Published on 03/08/2015

<http://media.uow.edu.au/releases/UOW199613>

.....

MINISTER LAUNCHES \$44MILLION BLUEPRINT FOR 21ST CENTURY EARLY CHILDHOOD LEARNING.

Australia's Minister for Social Services The Hon Scott Morrison MP officially opened the most sophisticated early childhood teaching, research and community engagement initiative ever undertaken in Australia on Wednesday 8 July at UOW.

Featuring Early Start Facility and Michelle Kellaway.

Published on 08/07/2015

<http://media.uow.edu.au/releases/UOW197996>

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UOW JOINS GLOBAL SOCIAL LEARNING COMMUNITY.

A global audience with a thirst for knowledge will have the opportunity to tap into research-based education.

Featuring ESRI. Published 12/06/2015

<http://media.uow.edu.au/releases/UOW196406>

## LEARNING THROUGH PLAY - AUSTRALIA'S ONLY CHILDREN'S MUSEUM LAUNCHES IN WOLLONGONG.

Australia's only dedicated 'children's museum', and the first-of-its-kind in the world based on a university campus, has been launched at UOW.

Featuring Marc de Rosnay & Early Start Discovery Space. Published 19/05/2015

<http://media.uow.edu.au/releases/UOW193554>

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## AWARD-WINNING AUTISM PROGRAM TO BE ADAPTED FOR PRESCHOOLS

New preschool program to help foster compassion towards children with high-functioning autism.

Featuring Dr Mitch Byrne. Published 08/05/2015

<http://media.uow.edu.au/releases/UOW192957>

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## BREAKING THE BARRIERS: NATIONAL FORUM DISCUSSES FIRST IN FAMILY SURGE

More than 100 students, government policy makers and education providers will gather at UOW on Thursday 12 February to discuss the growing number of first in family students attending university.

Featuring Dr Sarah O'Shea. Published 10/02/2015

<http://media.uow.edu.au/releases/UOW187635.html>

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## BRAIN-TRAINING CHILDREN'S BOOK FAST-TRACKS DEVELOPMENT

An innovative new children's book has been launched to aid self-control, school readiness and academic success.

Featuring Dr Steven Howard. Published 19/01/2015

<http://media.uow.edu.au/releases/UOW186575.html>

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## News stories:

### HIGHLIGHTS FROM THE INAUGURAL EARLY START CONFERENCE

Thought leaders gather at UOW to discuss future strategies to improve the lives of children around the world.

Featuring Ted Meluish, Iram Siraj, Marc de Rosnay, Elisabeth Duursma & Fred Paas. Published 30/09/2015

<http://media.uow.edu.au/news/UOW202959.html>

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### EARLY START GAINS TRACTION AS A LEADER IN CHILD DEVELOPMENT

Prestigious international journal to dedicate an entire special edition to UOW's early childhood research. Featuring Professor Paul Chandler, Professor Tony Okely, Professor Fred Paas, Dr Steven Howard, Dr Shirley Agostinho and Dr Dylan Cliff. Published 09/09/2015

<http://media.uow.edu.au/news/UOW201825.html>

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### BREAKING DOWN THE BARRIERS TO HIGHER EDUCATION

National fellowship to encourage more first-in-family students to study at university. Featuring Dr Sarah O'Shea. Published 21/07/2015

<http://media.uow.edu.au/news/UOW198968.html>

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### EARLY YEARS EXPERT HONOURED FOR SERVICES TO EDUCATION

Early childhood expert awarded an OBE for services to education in the Queen's New Year's Honours.

Featuring Professor Iram Siraj. Published 06/01/2015

<http://media.uow.edu.au/news/UOW186048.html>

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## AUSTRALIAN RESEARCHER USES RFID TO TRACK PRESCHOOLERS' ACTIVITY LEVELS

The project's goal is to learn how teachers can influence greater physical activity improves a child's health and well-being.

<http://www.fridjournal.com/articles/view?13507/>

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## UNIVERSITY OF WOLLONGONG TO STUDY CHILDREN'S ACTIVE PLAY

Featuring Dr Dylan Cliff. Published 21/06/2015

<http://www.illawarramercury.com.au/story/3161026/childrens-playtime-faces-scrutiny/>

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## OPINION PIECES (REPUBLISHED FROM THE CONVERSATION, SYDNEY MORNING HERALD, THE GUARDIAN AND OTHERS)

### WHY STORY TIME IS BETTER WHEN DAD'S READING THE BOOK

Fathers reading to their young children can have a surprising impact on their child's development. Featuring Dr Elisabeth Duursma. Published 02/10/2015 This article was originally published by the Sydney Morning Herald.

<https://media.uow.edu.au/opinions/UOW203069.html>

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### AUSTRALIA SHOULD FOLLOW THE RESEARCH AND PROVIDE FREE UNIVERSAL CHILDCARE

European politicians of all hues have been convinced by the growing evidence of the impact of nursery care for a child's life chances. Why isn't Australia listening?

Featuring Ted Melhuish. Published on 29/09/2015.

This article was originally published by The Guardian

<https://media.uow.edu.au/opinions/UOW202886.html>

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### GETTING STUDENTS INTO UNI IS ONE THING, BUT HOW TO KEEP THEM THERE?

Opposition Leader Bill Shorten has revealed Labor's policy platform for higher education, saying the focus would be on retaining students in higher education and curbing the numbers dropping out. Featuring Sarah O'Shea, Paul Chandler, Valerie Harwood. Published on 25/09/16. This article was originally published on The Conversation.

<https://media.uow.edu.au/opinions/UOW202746.html>

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### SHOULD WE SWEAR IN FRONT OF OUR KIDS?

It's important that children understand the context for their behaviour, writes Dr Amy Conley Wright. Featuring Dr Amy Conley Wright. Published on 01/09/2015. This article was originally published by The Conversation.

<https://media.uow.edu.au/opinions/UOW201382.html>

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### WHY FIRST-IN-FAMILY UNI STUDENTS SHOULD RECEIVE MORE SUPPORT

Featuring Dr Sarah O'Shea. Published 26/03/2015. This article was originally published by The Conversation.

<https://media.uow.edu.au/opinions/UOW190212.html>

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### MILESTONES: WHAT IS THE 'RIGHT' AGE FOR KIDS TRAVEL ALONE, SURF THE WEB, LEARN ABOUT WAR?

Featuring Marc de Rosnay. Published on 06/01/2015.

This article was originally published by The Conversation.

<https://media.uow.edu.au/opinions/UOW185987.html>

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UOW RESEARCHERS TO LEAD WORLD FIRST  
STUDY AT THE SPECIALIST RESEARCH CENTRE  
EARLY START

Featuring The NSW Minister for Early Childhood  
Education Leslie Williams, Dr Cathrine Neilsen Hewett  
and Dr Steven Howard.

[http://www.illawarramercury.com.au/story/3459254/  
international-first-for-uow/](http://www.illawarramercury.com.au/story/3459254/international-first-for-uow/)

This article was originally published by The Illawarra Mercury



## EARLY START CONFERENCE MEDIA REPORT

**Early Start** received much coverage in the lead up to the inaugural Early Start Conference, with more than 100 media mentions, which reached more than 3.17million people (does not include international coverage).

This included stories with specific mentions of UOW/Early Start in The Guardian, The Daily Mail, The Daily Telegraph, Sydney Morning Herald, The Australian, Herald Sun, the Courier Mail, News.com.au, 9News.com.au, The Conversation as well as with ABC News 24, ABC Radio National, ABC Sydney, ABC Melbourne, ABC Perth and 3AW Melbourne.

## HIGHLIGHTS

Dr Elisabeth Duursma was featured on page 11 of the Saturday Daily Telegraph for her research on the impact of fathers reading to their kids. The story was republished in print in the Courier Mail and Cairns Post as well as online by the Daily Telegraph, Courier Mail, Herald Sun and The Adelaide Advertiser. Elisabeth also conducted interviews with ABC Melbourne, ABC Perth and WIN Wollongong and The Sydney Morning Herald published an opinion piece by Elisabeth on the topic.

Dr Amy Conley Wright wrote an opinion piece for The Conversation on whether we should swear in front of children. ABC online republished the story (and Facebooked it) and she was subsequently interviewed by ABC Radio National, ABC Darwin, ABC South-Coast of WA, ABC Gold Coast, 3AW Melbourne, 2CC Canberra, 612 Brisbane, 6PR Perth and ABC Illawarra. She was also interviewed live on ABC News 24 TV.

Professor Tony Okely was featured in a Sunday Telegraph article on UOW's 'Standing Preschools' study, which investigated the short-term effects of a reduced preschool sitting day. The story also ran in print in the Sunday Times Perth, Sunday Mail Brisbane and the Sunday Tasmanian, as well as online on the Herald Sun, the Courier Mail, News.com.au and four other major News Corp websites.

Dr Bridget Kelly was interviewed by 702 ABC Sydney after her research found children who watch commercials on TV are more likely to have poor diets. The story was also picked up by AAP and ran on the websites of The Australian, MSN, the Daily Telegraph, news.com.au, 9News, the Courier-Mail and 25 other sites.

Professor Ted Melhuish wrote an opinion piece for The Guardian and was interviewed on ABC Radio National Breakfast on Australia providing free universal childcare and the importance of early education. This has had 585 shares.

WIN News reported on the conference and interviewed Professor Tony Okely. This was broadcast on 19 regional TV stations in NSW, ACT, QLD and VIC.

### UOW MEDIA STORIES

[Why story time is better when dad's reading the book](#) - 2/10/15 (Republished in opinion)

[Highlights from the Inaugural Early Start Conference](#) - 30/9/15 (UOW News, Media homepage)

[Australia should follow the research and provide free universal childcare](#) - 29/9/15 (Opinion, Media homepage)

[Dads who read to their children give them an Early Start](#) - 26/9/15 (Media release, UOW homepage banner)

[Global experts on early years of childhood propose future strategies](#) - 24/9/15 (Media release, UOW homepage banner)

[Preschoolers encouraged to move more, sit less](#) - 27/9/15 (Media release, UOW homepage news)

[Early Start gains traction as a leader in child development](#) - 9/9/15 (UOW News, UOW homepage news)

[Should we swear in front of our kids?](#) - 1/9/15 (Republished in opinion, Media homepage)

[TV ads are making our kids fat, study finds](#) - 11/8/15 (Media release, UOW homepage banner)

[Closing the digital literacy gap](#) - 3/8/15 (Media release, UOW homepage news)

SOCIAL MEDIA

UOW Official social media accounts


Facebook: 1 post, 30,353 people reached, 3,373 likes, comments & shares (with SMCU advertising spend)

Twitter: 13 Tweets. Top performing Tweet had 15 retweets, 6 favourites.

Instagram: 1 post, 70 likes

Linked In: 1 post, 98 likes, 8 comments


Social media support and content sharing with @Early Start

**UOW: University of Wollongong, Australia**  
Published by Elise Pitt · 27 September at 18:25 · Edited ·

Thought leaders from around the world, including [Harvard University](#), will visit UOW this week for the inaugural UOW Early Start conference on childhood development.

The most significant event of its kind ever held in Australia, the conference will explore topics such as a brain-training computer game that can help children with ADHD and how standing preschools can improve children's mental development.

Join the conversation on Twitter using [#earlystartconf](#).



30,353 people reached

Boost Post


3.2k Likes · 21 Comments · 40 Shares

Like


Comment

Share

30,353 People Reached		
3,373 Likes, Comments & Shares		
3,298 Likes	3,207 On Post	91 On Shares
35 Comments	25 On Post	10 On Shares
40 Shares	40 On Post	0 On Shares
1,485 Post Clicks		
400 Photo views	4 Link clicks	1,081 Other Clicks
NEGATIVE FEEDBACK		
1 Hide Post	3 Hide All Posts	
0 Report as Spam	0 Unlike Page	

**University of Wollongong**

This week, UOW is hosting thought leaders from around the world, including Harvard University, in the inaugural Early Start conference on childhood development. The conference, which explores topics such as a brain-training computer game that can... [more](#)



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Cate Denning, Fiona Barlow +96

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Edmund Martin

typo 30 yrs ago.  
5 days ago

University of Wollongong

1 li Godamatar, more information our Early Start initiative can be found at [earlystart.uow.edu.au](#). Thanks Nicole  
5 days ago

add a comment...

Comment



## PROFILES



### **Associate Professor Shirley Agostinho**

**Expertise:** Educational technology; documenting teaching and learning practice to facilitate sharing, adaptation and reuse by teachers and designers; self-management of cognitive load.

**Research Interests:** Learning design to support teachers' educational design practice. Design and evaluation of online learning. Self-management of cognitive load. Cognitive load theory

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### **Professor Sue Bennett**

**Expertise:** Information and communication technologies in education.

**Research Interests:** My research investigates how people engage with technology in their everyday lives and in educational settings. My aim is to develop a more holistic understanding of people's technology practices to inform research, practice and policy.

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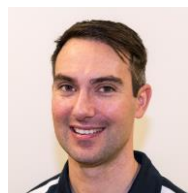


### **Professor Paul Chandler**

**Expertise:** Cognitive load theory.

**Research Interests:** Self-managed load effect, where young people can use flexible learning environments to have control over how much information they learn at a time and how they structure it pictorially.

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### **Dr Dylan Cliff**

**Expertise:** Physical activity, sedentary behaviour and electronic media use in children: objective measurement and effects on health and development.

**Research Interests:** His research focuses on the objective measurement of physical activity and sedentary behaviour in children and adolescents, as well as the development and evaluation of generalisable strategies to promote increased physical activity and decreased sedentary behaviour among young people.

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### **Professor Marc de Rosnay**

**Expertise & Research Interests:** Within Early Start, he is leading transformational initiatives involving the UOW and the community with the goal of improving educational and social opportunities for young children in regional, rural and remote contexts. Marc's research focuses on social and emotional development in the early years, and the ways in which children's growing understanding of the world (cognitive development) affects their experience.





**Associate Professor Mitch Byrne**  
**Expertise and Research Interests:** I teach across postgraduate and currently am Director of the Clinical Training programs. I am a practicing clinician, specialising in both clinical and forensic psychology. I have a strong interest in treatment adherence, autism, trauma, child protection and offender assessment and treatment.

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**Dr Elisabeth Duursma**  
**Expertise:** Father involvement, early language and literacy development, low-income families.  
**Research Interests:** Focus on how fathers are engaged in young children's lives and the impact on their language, literacy and cognitive development.

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**Dr Xiaoqi Feng**  
**Expertise and Research Interests:** Dr Xiaoqi Feng's research interests are multidisciplinary and policy driven, drawing together the fields of public health, geography and economics to enhance understandings of health and wellbeing in Australia and overseas. Areas of research include: Social epidemiology. Obesity and type 2 diabetes prevention. Built environment and spatial analysis. Physical activity, nutrition and mental health. Child development and healthy ageing. Health service research.

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**Profesor Garry Hoban**  
**Expertise:** Student-created digital media for learning and explaining science; technology-enhanced learning and teaching; frameworks for long-term professional learning.  
**Research Interests:** Garry's research interests include technology-enhanced learning and teaching as well as frameworks for long-term professional learning. He has a particular interest in teaching and researching student-created digital media for science learning

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**Dr Sarah Howard**  
**Expertise:** Technology integration in schools; teachers' practice; technology-related change; individual and cultural risk perceptions.  
**Research Interests:** Teaching practice in the subject areas, technology practices & integration, technology & teaching-related risk perceptions, school culture.

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**Assoc Prof Stuart Johnstone**  
**Expertise and Research Interests:** The psychological processes of inhibition and attention, as they relate to healthy children and those who show deficits in these areas such as children with Attention Deficit Hyperactivity Disorder (AD/HD), and the use of training techniques to improve these process and behaviour.



**Professor Valerie Harwood**

**Expertise:** Inclusion; critical disability studies; the production of knowledge on child and youth psychopathology; youth exclusion.

**Research Interests:** Chief Investigator: Imagining University Education: The perspectives of young people impacted by low socio-economic status and disengagement from school; Australian Research Council Discovery Projects.



**Dr Pauline Jones**

**Research Interests:** Dialogic teaching, functional linguistics/semiotics, teachers' knowledge about language and multimodality.

She is currently leading projects in 'Transforming Literacy Outcomes (TRANSLIT) investigating the nature of students' literacy experiences at key points in schooling from Foundation to Senior Secondary. 'Linking Learning Birth – 12 years', with Professor Iram Siraj, is a commissioned project funded by the Victorian Department of Education and managed by the Warracknabeal school community.



**Dr Bridget Kelly**

**Expertise:** Public health nutrition; nutrition promotion; food environments; childhood obesity.

**Research Interests:** Measurement of food environments. Development, implementation and evaluation of food environment interventions to improve population nutrition. Research to underpin food policy development, especially related to food marketing and food labelling.



**Assoc Professor Lisa Kervin**

**Research Interests:** They are focused on young children and how they engage with literate practices and she is currently involved in research projects funded by the Australian Research Council focused on Digital Play and the development and implementation of the Australian English Curriculum. She has researched her own teaching and has collaborative research partnerships with teachers and students in tertiary and primary classrooms and prior-to-school settings.



**Professor Edward Melhuish**

**Expertise:** Expert on research and policy in the area of early childhood.

**Research Interests:** Contributed to discussions of social policy for children in Norway, Germany, Netherlands, Belgium, Finland, Portugal, South Korea, Australia, Canada and Chile, as well as the European Commission, Organisation for Economic Cooperation & Development (OECD) and the World Health Organisation (WHO).



### **Dr Rachel Jones**

**Expertise:** Physical activity and healthy lifestyles programs for preschool children and their families; interested in educating families about physical activity and healthy eating and thereby helping them to modify their lifestyles and improve their quality of life.

**Research Interests:** Working on projects centred around physical activity and gross motor programs for preschool children from disadvantages communities; educator-led physical activity; online healthy lifestyle programs for parents of preschool children; interaction and engagement of early childhood educators in regards to physical activity.

interests include preservice teacher education and group contexts for learning. Current research projects include how preservice teachers use social media to learn science content; how teachers utilize digital technologies in teaching science; and, learning processes



### **Dr Cathrine Neilsen-Hewett**

**Expertise & Research Interests:** Pre-school Education, Teaching Methods and Developmental Psychology. Her research focuses on young children's social relationships and early childhood bullying, as well as children's socio-emotional adjustment to child-care environments and school.



### **Dr Wendy Nielsen**

**Expertise:** Science education; conceptual change; metacognition; complexity thinking in education; environmental education; educational technology for science learning.  
**Research Interests:** Her research



### **Associate Professor Sarah O'Shea**

**Expertise:** Higher education participation, access and equity.

**Research Interests:** Currently examining the intergenerational educational impacts when first in family students return to education, and part of an ARC team examining the Australian; Indigenous Mentoring Experience mentoring model.



### **Professor Fred Paas**

**Expertise:** Cognitive load theory; the design of effective and efficient learning environments by applying current multidisciplinary scientific knowledge about the human cognitive system.



### **Dr Anne-Maree Parrish**

**Expertise:** Factors influencing children and adolescents sedentary behaviour and physical activity levels.

**Research Interests:** Current research focuses on promoting children's and adolescent physical activity and reducing sedentary behaviour through environmental and psychosocial interventions in the school environment.



### **Professor Tony Okely**

**Expertise:** Physical activity; sedentary behaviour; and gross motor skills in toddlers, preschoolers and children.

**Research Interests:** Observational studies that describe the prevalence and patterns of these behaviours; relationships with health, education, and other developmental outcomes; interventions; and guideline development. Current research: Interventions to promote physical activity and gross motor skills in early childhood and childhood.

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### **Dr Yasmine Probst**

**Expertise:** Dietary assessment methodology and dietary modelling, with the application of nutrition informatics to its processes; food composition databases and their appropriate use in nutrition practice.

**Research Interests:** Technological application in nutrition and dietetics. Food composition applications. Assessment of nutrient intake through computer analysis of reported intakes.

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### **Associate Professor Steven Roodenrys**

**Expertise:** Working/short-term memory; methods of improving cognitive function, including nutritional intervention and cognitive training; reading and reading development.

**Research Interests:** The nature of verbal short-term memory and working memory, and their role in

developmental disorders. Effects of training on cognitive function. Effects of nutritional factors on cognitive function

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### **Professor Iram Siraj**

**Expertise:** Expert in primary and early childhood education research and the impact of home learning, staff training, pedagogy, curriculum and assessment on young children's learning and development; particularly those children and families from vulnerable backgrounds. Interested in what shapes learners' life-course trajectories over time.

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### **Dr Stewart Vella**

**Expertise:** The health benefits and psychological underpinnings of sports participation during childhood and adolescence

**Project involvement:** Ahead of the Game (Movember)

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### **Associate Professor Irina Verenikina**

**Expertise:** The application of sociocultural psychology to the study of teaching and learning; the effective pedagogical use of digital technologies for education.

**Research Interests:** The application of Sociocultural psychology and Activity Theory to the study of the effective pedagogical use of digital technologies for education. Specific focus is twofold: The use of digital technologies to enhance young children's imaginative play, and, Scaffolding productive online discussion to support students' construction of knowledge and communication competencies.





**Dr Rute Santos**

**Research Interests:** Physical activity, cardiovascular risk factors, cognitive development in children and adolescents  
**Project involvement:** GET UP, LabMed, NCDs/WHO

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**Research Interests:** Research on children and young people's meanings of self in relation to their ideas about health, bodies and weight. The relationship between young people's identities and their decisions about their heritage languages. Mothers' ideas about health and food and the impact of these on their practices with their young children.

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**Dr Amy Conley Wright**

**Expertise:** Child maltreatment prevention; family support for parents and caregivers of young children with disabilities; social policy for children and families; child advocacy.  
**Research Interests:** Family support for parents and carers of young children. Parenting interventions for prevention of child maltreatment and promotion of child development. Child advocacy at the individual child, community, and policy levels. Theory and practice of policy advocacy and policy change. Program development & evaluation

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**Professor Ian Wright**



**Expertise:** Development, physiology and care of children in health and disease; developmental origins of health and disease including cardio-metabolic programming.  
**Research Interests:** Understanding the physiology, markers and modifiability of cardio-metabolic programming from in utero to adolescence.

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**Professor Jan Wright**

**Expertise:** Using feminist and poststructuralist theory to critically engage issues associated with the body, health and physical activity; the body as central to subjectivity and as necessary to an understanding of the self; movement-based pedagogies and media constructions of gender and physical activity.

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**Professor Heather Yeatman**



**Expertise:** School kitchen gardens; food and nutrition knowledge; local food issues; food policy and professional competencies.  
**Research Interests:** Food and nutrition policy and regulation. Food knowledge and skill. Health promotion program evaluation. Community and professional roles in policy making, public health and local government.

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## POST-DOCTORAL FELLOWS

### Dr Eva Craig

**Area of research:** Eva's research focus was in the area of Baseline data collection from children, parents and directors across 38 Early Start Engagement Centres.

**Project Involvement:** Early Start Baseline Data Collection

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### Dr Rebecca Stanley

**Area of research:** Understanding the contribution of physical activity, sedentary behaviour and healthy eating to health in children and Aboriginal communities

**Project involvement:** JumpStart, After school cultural program for Aboriginal children

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### Dr Franca Mackie

**Area of research:** Franca's research background focussed on the psychophysiology of children with developmental disorders. Current research interests include childhood developmental health and wellbeing. With a focus on preschool and primary school-aged children, healthy behaviour and physical activity with a keen interest in development, self regulation and psychophysiology.

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### Dr Christian Swann

**Area of research:** Optimising performance, wellbeing, and mental health through sport and exercise psychology

**Project involvement:** Ahead of the Game

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### Dr Samantha McMahon

**Area of research:** Understanding educational disadvantage and innovative ways of teaching and learning that are working to address this. Working with the AIME

Research Partnership team to investigate how the AIME model of mentoring supports young Aboriginal and Torres Strait Islander people complete high school and transition to positive post school pathways. Investigating how educator knowledge impacts educational equity and inclusion.

**Project involvement:** AIME Research Partnership



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