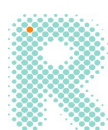


# The Raine Study 13<sup>th</sup> Annual Scientific Meeting Webinar 30<sup>th</sup> October 2020



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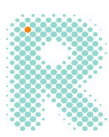


# The Raine Study 13<sup>th</sup> Annual Scientific Meeting Webinar

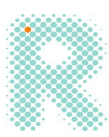
Friday 30<sup>th</sup> October 2020

## PROGRAM

9:00	<b>Welcome/Official Opening</b> – Prof Peter Eastwood, Director of The Raine Study
9:05	<b>Introduction of Guest Speaker</b> – Dr Jan Stewart, Board Chair of The Raine Study
9:10	<b>The Origins of the Raine Study.</b> <b>Guest Speaker</b> – Prof John P Newnham AM, Prof of Obstetrics, Head of Division of Obstetrics and Gynaecology, The University of Western Australia, Senior Australian of the Year 2020. Q & A with Prof Newnham
<b>Session 1</b>	<b>Early Career Researcher Presentations</b> Chairs: A/Prof Jenny Downs (Telethon Kids Institute, Curtin University) and Prof Roger Hart (The University of Western Australia)
9:30	<b>The interaction between sleep apnoea and sleep duration on hypertension risk.</b> <b>Ms Kelly Sansom</b> , Prof Peter Eastwood, A/Prof Nigel McArdle, Dr Jennifer Walsh, Dr Kathleen Maddison, Clin/Prof Bhajan Singh. Kelly Sansom is a PhD student at the Centre for Sleep Science at the University of Western Australia. Her research focuses on better understanding the relationship between sleep disorders and hypertension in both community and clinical populations.
9:42	<b>Maternal prenatal stress exposure and sex-specific risk of severe infection in offspring.</b> <b>Dr Monique Robinson</b> , Dr Kim Carter, Prof Craig Pennell, A/Prof Peter Jacoby, Dr Hannah Moore, Prof Stephen Zubrick, Prof David Burgner. Dr Robinson completed her PhD and MPsych (Clinical) degrees at The University of Western Australia. Monique is currently an NHMRC Early Career Fellow at the Telethon Kids Institute and her primary research focus has been on the relationships between parents and children and in particular how maternal stress and other lifestyle factors impact child and adolescent mental health.
9:54	<b>The relationship between fetal growth during pregnancy and blood pressure in adulthood.</b> <b>Dr Ashish Yadav (@AshishYad)</b> , Emer/Prof Lawrie Beilin, Prof Trevor Mori, A/Prof Rae-Chi Huang, Mr Philip Vlaskovsky, Prof John Newnham, Dr Scott White. Dr Ashish Yadav, MD, MPH is a third year PhD candidate at the UWA Medical School. He is a public health physician from India with specific interests in epidemiology and biostatistical methods. He is currently working in the cardiometabolic group of The Raine Study under the supervision of Emeritus Prof Lawrie Beilin, Prof Trevor Mori & A/Prof Rae-Chi Huang.
10:06	<b>Prospective associations of sugar-sweetened beverage consumption during adolescence with body composition and bone mass in early adulthood.</b> <b>Mrs Amrei Bennett</b> , Dr Kevin Murray, Dr Gina Ambrosini, Prof Wendy Oddy, Prof John Walsh, A/Prof Kun Zhu. Amrei Bennett has recently graduated from the University of Western Australia and this research formed part of a Masters of Public Health for which she recently won the “School of Population and Global Health Prize for Best Master of Public Health Dissertation 2019” for. She completed a Bachelor of Health Science at Edith Cowan University in 2013 majoring in nutrition, and worked at Sir Charles Gairdner Hospital as a bone density technologist before she moved to her current position with Food Bank as a public health nutritionist.
10:18	<b>Association between pelvic pain and pain sensitivity in young women.</b> <b>Ms Lindsay O’Kane</b> , Dr Darren Beales, Mrs Renata Asinelli, Mrs Marit Klokset, Mrs Tonje Urstad, Mrs Emma Wise, Dr Juliana Gomes Zabatiero, Dr Judith Thompson, Dr Jennifer Pontre, Dr Robert Waller. Ms Lindsay O’Kane graduated from Auckland University of Technology and has been practicing physiotherapy for the past 7 years at Physiochoice in Melbourne. She was chosen for the clinical specialist program at Physiochoice to further her studies and attend Curtin University completing the Masters in Clinical Physiotherapy majoring in Continence and Pelvic Health.
10:30	<b>MORNING TEA BREAK</b>



<b>Session 2</b>	<b>Early Career Researcher Presentations</b> Chairs: Dr Darren Beales (Curtin University) and Dr Koya Ayonrinde (The University of Western Australia)
<b>10:45</b>	<b>Changes in the epigenetics of suicide ideators but not victims of childhood bullying.</b> <b>Dr Ee Pin Chang</b> , Prof Andrew Page, Dr Phillip Melton, A/Prof Rae-Chi Huang. Dr Chang is a cognition and emotion researcher exploring memory updating and cognitive biases in depressive rumination, and the role of epigenetics in childhood bullying and suicide risk.
<b>10:57</b>	<b>Prospective association between dietary fats and fatty liver index trajectories in a longitudinal cohort population: an 8-year follow-up study from adolescence to young adulthood.</b> <b>Dr Fuzhen Wan</b> , Dr Feng Pan, Dr Oyekoya Ayonrinde, A/Prof Leon Adams, Prof Trevor Mori, Emer/Prof Lawrie Beilin, A/Prof Therese O’Sullivan, Prof John Olynyk, Prof Wendy Oddy. Dr Wan is a gastroenterologist/hepatologist from Anhui Medical University in China. He is undertaking this research as part of his PhD at the Menzies Institute for Medical Research at the University of Tasmania under the supervision of Professor Wendy Oddy and Dr Feng Pan.
<b>11:09</b>	<b>Personalised, machine learning based prediction of asthma in Western Australia.</b> <b>Mrs Dimpalben Patel</b> , Prof Graham Hall, Dr Rachel Foong. Dimpalben Patel is a PhD student, enrolled at Curtin University. Her research focuses on early life predictors to create a prediction score of asthma and identify at risk children as early as possible. Her project is a collaboration between Curtin University and Telethon Kids Institute.
<b>11:21</b>	<b>Correlation between aldosterone renin ratio and blood pressure in young adulthood: a longitudinal study</b> <b>Dr Jun Yang (@DrJunYang)</b> , Dr StellaMay Gwini, Prof Lawrie Beilin, Prof Markus Schlaich, Prof Michael Stowasser, A/Prof Morag Young, Prof Peter Fuller, Prof Trevor Mori. Dr Yang is a Consultant Endocrinologist and Early Career Research Fellow at Monash University and Hudson Institute of Medical Research. She graduated from Monash University with a MBBS (Hon) in 2001, obtained the FRACP in 2010 and completed her PhD on coregulators of the mineralocorticoid receptor (MR) in 2013. She established the Endocrine Hypertension Service at Monash Health and collaborates both nationally and internationally to improve the detection and understanding of primary aldosteronism as a common but under-diagnosed form of hypertension.
<b>11:33</b>	<b>Do early life chronic inflammatory conditions predict low back pain in adolescence and young adulthood?</b> <b>Ms Amber Beynon (@AmberBeynon)</b> , Prof Bruce Walker, Prof Jeffrey Hebert, Dr Darren Beales, Ms Angela Jacques. Amber Beynon is a PhD candidate from Murdoch University in Western Australia. Her research investigated if early life illness factors are potential risk factors for back pain in adolescence and young adulthood.
<b>11:45</b>	<b>Early-life predictors of lung function trajectories in the Raine Study.</b> <b>Ms Francesca Sanna (@Sanna9Francesca)</b> , Dr Rachel Foong, Prof Graham Hall, Dr Francesca Locatelli, Dr Elisha White, Prof Peter Sly. Francesca is a PhD student in Health Sciences (Epidemiology & Biostatistics) at University of Verona (Italy) and Telethon Kids Institute (Perth). Her major research interest in Respiratory diseases and Environmental Health.
<b>11:57</b>	<b>LUNCH BREAK</b>
<b>12:30</b>	<b>Introduction of Guest Speaker – Professor Peter Eastwood, Director of The Raine Study</b>
	<b>Overview of Research Priorities within the School of Medical and Health Sciences.</b> <b>Guest Speaker – A/Prof Chris Abbiss</b> A/Prof Chris Abbiss is Associate Dean of Research in the School of Medical and Health Sciences at Edith Cowan University. His research is within applied human physiology and exercise performance, with a focus on thermoregulation and metabolic adaptations to environmental stress. He has over fifteen years of academic and professional experience working in exercise and sports science and collaborates extensively with leading sporting organisations including the Australian Institute of Sport, Cycling Australia and Mitchelton-SCOTT Professional Cycling Team. Q & A with Assoc. Professor Abbiss



<b>Session 3</b>	<b>Early Career Researcher Presentations</b> Chairs: Dr Alexandra Metse (Murdoch University) and A/Prof Chris Brennan-Jones (Telethon Kids Institute)
<b>12:45</b>	<b>Early-life day-care attendance is associated with increased wheeze symptoms in the first 5 years of life but not asthma in later life.</b> <b>Dr Rachel Foong</b> , Ms Jennie Carson, Prof Peter Sly, Prof Graham Hall, A/Prof Rae-Chi Huang. Dr Rachel Foong is an NHMRC Early Career Fellow with the Children's Lung Health Team at the Telethon Kids Institute and is an adjunct Research Fellow at Curtin University. Her research interests are in early-life environmental exposures on chronic respiratory disease outcomes.
<b>12:57</b>	<b>Twelve-year sleep trajectory from childhood to adolescence: associations with myopia and ocular biometry during young adulthood.</b> <b>Mr Nicholas Stafford Bell</b> , Dr Gareth Lingham, Prof David Mackey, Dr Seyhan Yazar, Prof Peter Eastwood, Prof Leon Straker, Prof Anne Smith, A/Prof Joanne McVeigh, Dr Samantha Lee. Nicholas is a final year medical student at UWA. His undergraduate degree was completed at Australian National University (ANU) in the field of organic chemistry and genetics. His interests lie in ophthalmology, particularly in rural work and Indigenous eye health in the Kimberley.
<b>13:09</b>	<b>Updated adolescent diagnostic criteria for polycystic ovary syndrome: impact on prevalence and longitudinal body mass index trajectories from birth to adulthood.</b> <b>Dr Chau Thien (Jillian) Tay</b> , Prof Roger Hart, Prof Martha Hickey, A/Prof Lisa Moran, A/Prof Arul Earnest, Prof Dorota Doherty, Prof Helena Teede, Dr Anju Joham. Jillian completed her undergraduate medicine degree at the University of Tasmania in 2008 and obtained her Endocrine Fellowship from the Royal Australasian College of Physician in 2018. She is currently pursuing a doctorate degree at Monash University with her research interest including women's health and reproductive endocrinology.
<b>13:21</b>	<b>Associations between 7-year C-reactive protein trajectory and choroidal thickness in young adults.</b> <b>Dr Samantha Lee</b> , Dr Darren Beales, Dr Fred Chen, Dr Seyhan Yazar, Dr David Alonso-Caneiro, Prof David Mackey. Dr Samantha Lee is a postdoctoral research fellow at the Lions Eye Institute. She did her Bachelor of Science majoring in Optometry at the University of Manchester and Singapore Polytechnic, before completing her PhD at the Queensland University of Technology. She moved to Perth in 2017 to work on ocular epidemiology, with a special interest in the health and environmental influencers of the optic disc.
<b>13:33</b>	<b>Dietary intake and major food sources of flavonoids among Australian adolescents in the Raine Study.</b> <b>Dr Katherine Kent</b> , Prof Karen Charlton, A/Prof Therese O'Sullivan, Prof Wendy Oddy. Katherine Kent is a postdoctoral research fellow in the Centre for Rural Health. Katherine has a background in nutrition and public health and is interested in the field of nutrition, cognition and ageing. Specifically, Katherine is involved in research that investigates the impact of dietary flavonoids on cognitive and cardiovascular outcomes across the lifespan.
<b>13:45</b>	<b>Parents' nonstandard work schedules and adolescent social and emotional wellbeing: Evidence from the Raine Study.</b> <b>Dr Jianghong Li</b> , Ms Hannah Kenyon Lair, Mr Jakob Schafer, Dr Garth Kendal. Professor Jianghong Li is a Senior scientist at the WZB Berlin Social Science Center, Adjunct Professor at Bankwest – Curtin Economics Centre, Faculty of Law, Curtin University and Honorary Research Associate at the Telethon Kids Institute. Her research interest centres around social, economic, psychological, cultural determinants of child health and development; the interface between socioeconomic, psychological, cultural determinants of child health and development; the interface between socioeconomic, psychological and biological factors contributing to inequalities in health and wellbeing.
<b>13:52</b>	<b>Presentation of the Raine Medical Research Foundation prizes for the two best Early Career Researcher Presentations</b> Dr Amanda Cleaver, Director of the Raine Medical Research Foundation
<b>13:55</b>	<b>Introduce New Director – Prof Peter Eastwood, Current Director of the Raine Study</b>
<b>13:57</b>	<b>Closing Remarks – Prof Romola Bucks, New Director of the Raine Study</b>