



# NEWSLETTER

## 23 YEAR FOLLOW UP

We have now completed over 800 sleep studies and asthma tests! The Raine Study team are also performing cohort follow up on participants who have chosen not to do the sleep study. It has been interesting that once these participants come to the sleep centre for the other assessments, most of them change their minds and are happy to come back and do the full sleep study assessment. We plan to continue the 23 year assessment until June 2014, and hope to complete sleep assessments on over 1100 participants.

### Raine Study Scientific Meeting 2 August

Thank you to everyone who attended the day and especially to presenters and the 'volunteers' who assisted in the presentation assessment. It was a very successful and enjoyable day with over 100 people in total attending. Congratulations to Jessica Tearne (*Does parental age predict behavioural outcomes in offspring in early, middle and late childhood?*) and Gina Trapp (*Correlates of energy drink consumption among young adult Australians*) who won the Raine Medical Research prizes for the best presentations.

## Media, media and media

Media is an important vehicle for dissemination of information. However sensationalist and poorly constructed media articles may be damaging to both the Raine Study and the Raine Study participants.

All media releases that are compiled by you or your Institution need to be sent to the Raine Secretariat prior to release.

It is inadvisable to write your own media releases, however please check any media release carefully as the author may not have a relevant scientific background.

- Put over a positive message
- Ensure that the facts are correct, not overstated, misinterpreted or sensationalised
- Make sure all the authors on the paper have seen and approved the media release, or are aware that you are being interviewed
- Bear in mind that the Raine Study participants and their families could be reading the media release

There have been situations where conference organisers have requested media statements and media interviews, before the publication of results, or where the paper was currently in press, or where the paper had been submitted for publication.

Some journals have very strict media policies. Publicity can jeopardise the publication of papers, if this contravenes the journal's policy.

The Raine Secretariat recommends:

- The general policy is that there is a media embargo until the paper is published.
- If there are circumstances where this is potentially unavoidable, any publicity should have the written approval of all the authors.

## MANUSCRIPTS

There is a third step in the Raine Study Governance process for manuscript writing and publication in relation to press releases.

Step 1 – complete an M-form BEFORE STARTING TO WRITE THE MANUSCRIPT and send to Raine Study Secretariat, who will check that no one is writing a similar paper, that the data has been collected and is available and that relevant investigators have been included (or at least consulted) where appropriate. This process is relatively quick.

Step 2 - After M-form approval and the manuscript has been written, prior to submission to a journal the final draft is required to be sent to Raine Secretariat for a quick review (about a week). The paper is checked for consistency of reporting and methodology, that the relevant grants and funding bodies have been acknowledged etc.

If the Raine Secretariat request substantial changes, or if the manuscript has been rejected for publication and then substantially revised, please send it back for Secretariat review.

Step 3 – After publication, if a media release is prepared, it should be submitted to the Raine Secretariat for approval prior to release.

Researchers are reminded that all authors on Raine papers must meet standard authorship requirements – please follow the guidelines – previously distributed and on the website.

For those publications including TICHR authors, TICHR's by-line can now be shortened to "Telethon Institute for Child Health Research, The University of Western Australia" (you no longer need to include Centre for Child Health Research).

## THE AUSTRALIAN SOCIETY FOR MEDICAL RESEARCH (ASMR)

The ASMR is a professional society representing Australian health and medical research. We encourage Raine Study Researchers to join this Society [[www.asmr.org.au](http://www.asmr.org.au)]. There is an annual ASMR conference in Western Australia, where Raine Study Researchers are encouraged to submit abstracts.

## RAINE STUDY PHD TOP UP SCHOLARSHIPS

The Raine Study Executive are pleased to announce that there will be two Raine Study PhD Scholarships offered for 2014. These top-up scholarships are available to all PhD students utilising the Raine Study resource for their PhD, and who hold an APA or equivalent scholarship. The scholarships are offered to full time PhD students who have successfully completed the first full time equivalent year of their study. They are offered for a period equivalent to the remainder of their APA scholarship. The award is for \$10,000 per year with an additional \$2,500 travel award. Application forms will be available from the Raine Study Manager in early October.

## EXECUTIVE MEETINGS

Wed 27 Nov	Documentation deadline
	Tues 12 Nov 2013
Wed 19 Feb 2014	Documentation deadline
	Tues 5 Feb 2014

## RAINE STUDY CORE MANAGEMENT MEETINGS

- Wednesday 23 October 2013, 3.30 to 5.00 pm in the TICHR Seminar Room.
- The Agenda will include an update from the Raine Study Directors, an overview of proposed research grants for the 25 year follow up and for intergenerational studies.
- We will be asking lead researchers for 3 slides in 3 minutes to provide an overview of their research plan.



## 25 YEAR FOLLOW UP – PLANNED GRANT APPLICATIONS

The following groups have expressed an interest in submitting a grant for data collection in the 25 year follow up and are in discussion with the Secretariat:

- Otolaryngology: Hearing test/assessment on 25 year cohort
- Dental: WHO dental standards assessment
- Ophthalmology: longitudinal follow up of some previously collected measures
- Nutrition: food and beverage intake
- Mental Health: attentional bias and genetics
- Cardiovascular : vascular functioning
- Musculoskeletal/otolaryngology: physical function and balance assessment
- Reproductive health: breast density measurement

Other Groups are thinking about the possibilities of MRI imaging:

- Gastrointestinal group –MRI liver scan (and microbiome sample)
- Cardiometabolic Group –localised (ectopic) fat deposits by MRI
- Endocrinology Group, visceral fat measurements by MRI and bone measurements
- Sleep – pharyngeal calibre and nature of surrounding tissues by MRI
- Musculoskeletal Group - Hip and Knee joints and low back MRI

Doing an MRI presents major challenges, especially given the number of different groups interested in obtaining MRI data and the burden this would place on participants. A meeting is planned, together with an MRI radiologist to discuss the costs and feasibility of doing MRIs in the Raine participants.

Endocrinology group: would be interested in another DEXA scan – different scanner, to measure visceral fat and some different targeted bone measures – if a MRI is not feasible.

Eating disorders, from a longitudinal perspective it would be beneficial to collect eating disorder information again, this could form part of a combined mental health grant application with clinical diagnosis interviews at 30 year followup

If anyone else has ideas or plans for grant applications, could you please let JM know.

### \*\*\*IMPORTANT REMINDER\*\*\*

Raine Study Executive approval for NHMRC grant applications (P-Form) must be submitted by Tues 12 Nov 2013 for the consideration at the Raine Study Executive meeting on Wed 27 November. It is expected that these P-Forms will provide comprehensive information on all aspects of the proposed study, including protocol, burden on participants, investigators and budget.

## EDUCATIONAL OUTCOMES

Educational outcomes are potentially available through the data linkage unit on the Raine Study cohort. These include WALNA/NAPLAN and WACE data. Currently, Janice Wong (PhD student) is looking at mental health and educational outcomes and Anett Nyaradi (PhD Student) is examining nutritional intake and educational outcomes. Both of these projects involved separate application processes to the WA data linkage unit, and their datasets can only be utilised for their projects.

There are researchers interested in educational outcomes in relation to other areas. The Raine Secretariat are planning to establish a series of research questions under an umbrella project on Educational outcomes in the Raine Study. One application to link the Raine Study data to the educational outcomes data to answer specific research questions is planned. At the moment areas of interest include risky behaviours and other mental health issues. If you have an interest in contributing towards this project and utilising education outcomes in relation to your field of research could you please send a brief outline to JM.

## CONGRATULATIONS

**TO** Dr Julie Marsh, Dr Marie Rye and Dr Geetah Appenah – on completing their PhDs.

**TO** Monique Robinson and Sanji on the birth of Theodore, on 23 August.

**TO** Roger Hart and his team for commencing data collection on the IVF cohort study

**TO** Wendy Oddy – recently elected to the NHMRC Prevention and Community Health Committee and NHMRC Research Translation Faculty

5. Cousminer DL, Berry DJ, Ang W, Pennell CE, et al. Genome-wide association and longitudinal analyses reveal genetic loci linking pubertal height growth, pubertal timing and childhood adiposity. *Hum Mol Genet.* 2013.
6. Hart R, Doherty DA, Frederiksen H, Keelan JA, Hickey M, Sloboda D, Pennell CE, Newnham JP, Skakkebaek NE, Main KM. The influence of antenatal exposure to phthalates on subsequent female reproductive development in adolescence: a pilot study. *Reproduction.* 2013 Sep 11.
7. Nyaradi A, Li J, Hickling S, Whitehouse AJ, Foster JK, Oddy WH. Diet in the early years of life influences cognitive outcomes at ten years: a prospective cohort study. *Acta Paediatr.* 2013 Jul 23.
8. Parmar PG, Marsh JA, Taal HR, Kowgier M, Uitterlinden AG, Rivadeneira F, Briollais L, Newnham JP, Hofman A, Lye SJ, Steegers EAP, van Duijn CM, Palmer LJ, Jaddoe VVW, Pennell CE. Polymorphisms in genes within the IGF-axis influence antenatal and postnatal growth. *Journal of Developmental Origins of Health and Disease.* 2013 Apr;4(2):157-69.
9. Woolley SE, Sherriff J, Oddy WH, O' Sullivan TA. Fructose intake and food sources in West Australian adolescents. *Nutr Diet.* 2013 Jun;70(2):139-45.

## NEW PUBLICATIONS SINCE JUNE

(any not listed, please send pdf to Secretariat)

1. Allen KL, Byrne SM, Oddy WH, Crosby RD. Early Onset Binge Eating and Purging Eating Disorders: Course and Outcome in a Population-Based Study of Adolescents. *J Abnorm Child Psychol.* 2013.
2. Bobridge KS, Haines GL, Mori TA, Beilin LJ, Oddy WH, Sherriff J, O'Sullivan TA. Dietary fructose in relation to blood pressure and serum uric acid in adolescent boys and girls. *J Hum Hypertens.* 2013 Apr;27(4):217-24.
3. Bonnelykke K, Matheson MC, Pers TH, Warrington NM, Pennell CE, et al. Meta-analysis of genome-wide association studies identifies ten loci influencing allergic sensitization. *Nat Genet.* [Letter]. 2013 08//print;45(8):902-6.
4. Cheng C-Y, Schache M, Ikram MK, Young Terri L, Pennell Craig E, Mackey DA, et al, Nine Loci for Ocular Axial Length Identified through Genome-wide Association Studies, Including Shared Loci with Refractive Error. *Am J Hum Genet.* 2013;93(2):264-77.

## CORE MANAGEMENT DEC MEETING

The **LAST** Core Management meeting for 2013 will be a celebration of a collaborative and productive year of hard work and involvement by the Raine Study Researchers, on the **18 December**, **TICHR Courtyard, 4 pm**, refreshments will be provided.