



Quit talking and pour, London, 2006.

July 13, 2020 newsletter.

Dear Grey House team and esteemed colleagues,

132 days into our peculiar and zany team-building adventure. We can handle it!

This week's newsletter theme: Our team history in photos.

You will see yourself before the dratted pandemic, when you still looked relaxed and beautiful and had your whole future ahead of you. Pics at the end, as always!

Meanwhile, here is the all the news I have that's fit to print since 6 July:

FIRST THE HAPPY NEWS!

Jasmin got the ALSPAC data! Susan came to the rescue to arrange instant payment. I'll bet ALSPAC has never had an invoice paid in 6 hours before. They are reeling.

This beautiful advertisement was sent out promoting Leah's paper on age at first birth: https://www.acamh.org/app/uploads/2020/06/RD_Can-genetic-discoveries.pdf

Helen did a lovely podcast on the importance of green space and environment to our wellbeing, and why this pandemic has further demonstrated inequalities of access to green space: <https://soundcloud.com/worldwegotthis/episode6>

Kyle's paper on pandemic social distancing as a health behavior came out this week, YAY! <https://academic.oup.com/abm/article/doi/10.1093/abm/kaaa049/5865616>

Temi's blog came out on the website of the Supreme Court of the United States: New Brain Science Shows Future Dangerousness Cannot Be Predicted in Defendants under 21. By Dr. Adriana Galván, Dr. Terrie Moffitt, and Dr. Russell Poldrack. <https://www.scotusblog.com/2020/07/thursday-round-up-533/#more-294872>

Temi's Q&A Interview with Dan Jones is out in the New Scientist. Great art!
<https://www.newscientist.com/article/mg24732901-500-can-a-young-persons-genes-really-set-them-up-for-a-life-of-crime/>



The NIA Cannabis grant application will almost certainly be funded, but starting in October, because that is government fiscal year 2021. Madeline, Ahmad, Avshalom and Temi wrote a response to the reviewers' few critiques, and we had a zoom with the Program Officer which was very positive. Fingers crossed!

Temi gave her first public lecture on zoom. To the NIA Butler Williams Scholars summer school. It was a distinctly unrewarding experience for Temi, like speaking to blank air, and there was no time for questions. But the audience seemed to like it, according to the chat box.

25 July: Antony Ambler will celebrate his 20th birthday!

We have a plan for Leah's send-off party! Next Tuesday 21 July at 6:30 pm, we all drive our cars to Grey House, park them facing the east side of Erwin Mill (thus in the shade). We will have a pizza delivered to each car. Leah and Curt leave Durham to start their new lives in Ann Arbor Michigan in August. Susan got permission from the property owner, and Mellow Mushroom Pizza will deliver. **Do get going writing your limerick or haiku!**

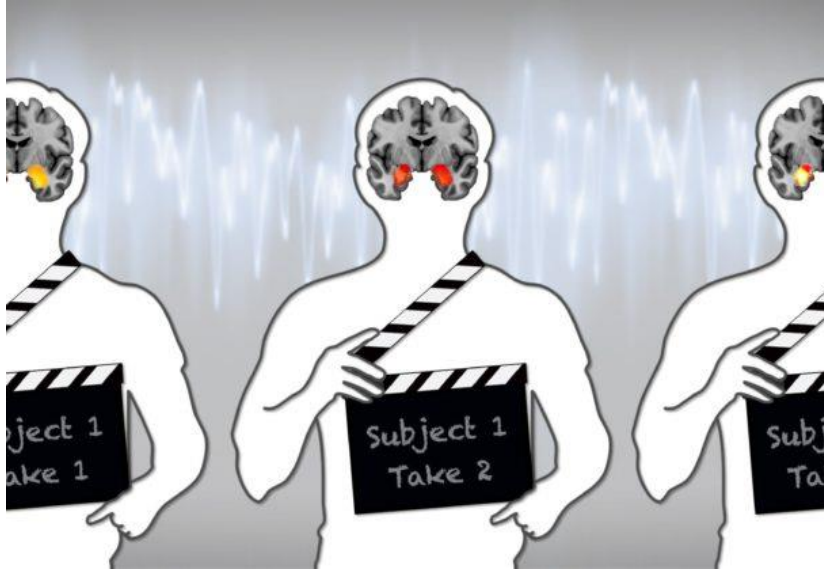
NEXT, THE UNHAPPY NEWS:

The MRC did not change their mind and call Temi back and say they are sorry they made a mistake and they want to fund E-Risk in full. Fantasy never pays.

That's it for unhappy news, so far as I know.

Science-visualizations:

Our fMRI test-retest reliability work, depicted by Psych Science's tweets:



A self-explanatory little data visualization, from Honalee:



RESEARCH-PROJECT PROGRESS SINCE 6 July:

With more than 30 papers in review, delays can feel dispiriting, so I'm only reporting papers here that have made progress this week. Chin up! Patience builds character.

Maria Gehred's first-year project paper was submitted to Lancet-Psychiatry.

"Long-term neural embedding of adverse childhood experiences: a population-representative birth cohort followed for five decades." Good luck Maria!

New Concept Paper from Tracy is circulating this week: Microstructural integrity of whole-brain white matter tracts and midlife physical fitness.

Aaron and Max's paper was resubmitted to JAMA last week. A heroic effort!

Association of childhood lead exposure with structural brain integrity in midlife.

Jasmin got an R&R on the Vital Personality paper from Social Science and Medicine, at least we think that's what the editor means.

Max and Avshalom's paper will be submitted to Nature Aging soon: Disparities in the pace of biological aging among midlife adults of the same chronological age: Implications for early frailty risk and policy.

Christina Carlisi and Essi Viding's paper will be submitted soon: Associations between life-course-persistent antisocial behavior and subcortical brain volume in a population-representative longitudinal birth cohort.

Projects underway and making good progress on the march toward mock review:

Aaron Reuben and Helen Fisher, air pollution and mental health (E-Risk).

Leah Richmond-Rakerd, Barry Milne, Stephanie D'Souza, mental disorder predicts physical disease and mortality (NZ-IDI)

Jasmin Wertz, Little p psychiatric history and pace of aging (Dunedin)

Leah and Signe Andersen, education disrupts the intergenerational transmission of disadvantage (Danish registers)

Jasmin Wertz, parenting genomics in multiple cohorts (many cohorts)

Kyle Bourassa and Line Rasmussen, stressful life events and suPAR (Dunedin)

Max Elliott & Line Rasmussen brain and suPAR (Dunedin)

Karen Sugden, education and the methylation pace of aging (many cohorts)

Geli Ronald and Lizzie, Autism Q and p (Dunedin)

Franky Happe and David, Autism Q and midlife health (Dunedin)

Honalee has developed another health-behaviour index for Dunedin: the Lourida Index. This new one complements the Nyberg Index she created earlier. Nyberg uses obesity, but Lourida uses self-reported Mediterranean diet, to avoid predictor-criterion overlap if your outcome measure has obesity in it. Lourida was validated in the UK Biobank.

Barry and Stephanie in Auckland are doing the final runs in the NZIDI for the new paper with Leah on mental health and physical health.

Ben is analyzing polygenic scores: for Jorim Tielbeek's antisocial meta-GWAS in E-risk and Dunedin. He's also deriving the education3 polygenic score in the ALSPAC data that Jasmin has obtained. Thanks Ben!

Ben is further investigating brain biomarker plasma assays, investigating UK data sets that have methylation data for validating the DunedinPoAm, and reviewing methodology for Dunedin and E-Risk telomere work.

Karen, Chloe, and Helen are testing whether DunedinPoAm can be derived from cheekswab DNA, not just blood. This would allow wider export of the technology.

Karen is doing a server clean-up of HARDAC, to make room for incoming mega-datasets for our team's polygenic and methylation studies.

Hurrah! Antony Ambler in London has delivered the data set for Dunedin study members' family history of dementia to Honalee. **Aaron** will have a first go. **Data are ready for analysis!**

Sean Hogan in Dunedin is searching admin register data for Dunedin Study members.

Susan is chasing up **Max's** fellowship, developing different budget scenarios to handle any potential cuts to the cannabis grant, handling legal processing for data-use agreements for **Jasmin**, working on **Stephanie's visa**, and maintaining our website. www.moffittcaspi.com

Susan reminds you to visit your blurb on the website and see if it needs a refresh.

Honalee's creating a spreadsheet table of reasons for missing data at Phase 45 in Dunedin. 94% of Study members took part at 45. However, variable by variable, there are a few data missing for many different reasons. Before phase 52, we want to inform PI's about opportunities to improve their data-collection and avoid missing data.

Antony Ambler in London is doing the reproducibility stat check for Stephanie's Lewis's paper on trauma.

Annchen, Maria, Max are working on characterizing gradients of brain organization.

Jasmin's working with Sara Jaffee on an application to study the Next Gen sample of Study member's children in Dunedin.

Tracy finished her dissertation proposal and will defend it this week, Wednesday morning 15 July. It is all about physical fitness and the brain. Good luck Tracy!!!!

If you are working on something you want others to know about, but I missed it, please let me know.

This week's theme: Our team history in photos!

Ben Williams, in olden times when he used to be able to go into the lab.



Birthplace of the Dunedin Study members, 1972.



Temi's first day on the Dunedin Study, January 1984.



Morning tea in the “garden.”



Sean Hogan, and the fab Dunedin Study museum exhibit he helped design.





A study family's childhood sitting room, circa 1970's



The Dunedin brain imaging team launch, August 2016. And Fiji football.



Annchen tries out the brand new Pacific Radiology scanner.



Ahmad visits the Allan's Beach sheep station.



Duke postdocs visit the Dunedin Study, January 2018.



Antony Ambler, peripatetic data manager for London and New Zealand.



Dave Ireland

Dunedin Study receives its first personal computer, 1986.



Sandhya Ramrakha, with end-of-phase flowers from the Duke team.



Richie, Liz, Sandhya, Av, Temi in Namibia, 1999



Barry & Sonya's wedding, just kidding!

Espen, leader of the Oslo Promenta group, after a snowball in the eye.



Temí and Jay Belsky at Sea Ranch, stalked by a deer



Mitzpe Ramon Maktesh with Sol and Shosh



Rudolf Uher, Nova Scotia



E-Riskers, 2018.



E-Risk phase 18 blood packs mailed in from the field. “Not KCH” tells the idiot post office to send the pack to the address on the box, not to King’s Hospital.



Nearly a million UK young people are NEET, including 245 E-risk twins.





Cher Louise, leading her E-Risk Phase 18 field team



E-Risk team at the Stockholm Prize, 2007.



Candice and Barry clean up well at the Stockholm Prize ceremony.



E-Risk team 2008



Jessie Baldwin and Jo Newbury



Jo Freeman's wedding, wow!

Louise and Maria



Chloe and Ying's wedding



Guilherme Polanczyk and adorable daughters



Alice



Seth and Julia

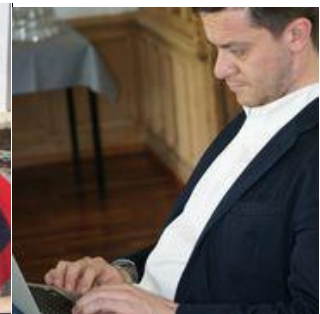


E-riskers 2008



Temi's graduation as KCL Fellow

2012 Klaus Grawe Foundation E-Risk Think Tank in the Swiss Alps.





Grey House Team at Duke



Our alternate house-building skills, in case we fail as academics.





Idan's feast



Eric and Amber

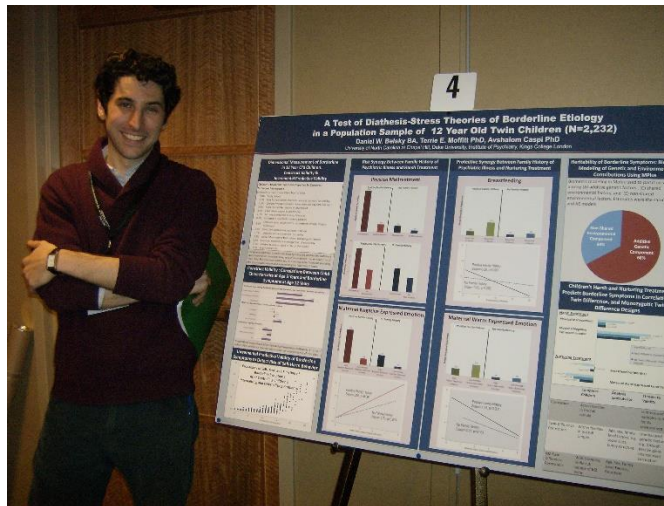


Jon in Austria



Halloween when Ida Rose was new

APPA in New York 2010



Madeline, Matt, Cecelia, and William in Arizona



Lake Ivry Postdoc get-together



Jens and Line at the barn.



JC, Peter, Ryan from U Cincinnati



Signe's visit



Essi Viding visits Grey House



**JC Barnes and his Grey House
Christmas gift**



James Heckman runs into Temi in Ben Gurion Airport



Newest Postdoc Stephanie Langevin

Wishing you all a serene week, Temi

