

March 30, 2020

Dear Grey House team and esteemed colleagues,

25 days into our team-building shared ordeal, and it's definitely working! Working at home! Safer than team paintball! Less embarrassing than a team bowling night! Less buggy than a team camping trip! Outward-bound is now inward-bound! I do miss Susan's ice-cream sandwiches though.

Three cheers to Leah for organizing our zoom party last Tuesday. There was a terrific display of funny hats. I do think Kyle and Ben win for funniest hat!!!!

I will share news to keep us all on the same page, approximately weekly-ish. Here is the all the news I have that's fit to print since 22 March:

FIRST, THE HAPPY NEWS, and now this is really happy.....welcome Oscar!



Leah's paper is published on line this week: Hurrah!

Richmond-Rakerd LS, Moffitt TE, Arseneault, Belsky, Connor, Corcoran, Harrington, Houts, Poulton, Prinz, Ramrakha, Sugden, Wertz, Williams, and Caspi (2020). A polygenic score for age-at-first-birth is also a polygenic score for disinhibition. J of Child Psychology and Psychiatry. <http://dx.doi.org/10.1111/jcpp.13224>

Leah has been invited to create a video about her paper for the publisher's website!

Ahmad and Adrienne's paper accepted, yahoo!:

Romer, Adrienne L., Elliott, Knodt, Sison, Ireland, Houts, Ramrakha, Poulton, Keenan, Melzer, Moffitt, Caspi, & Hariri (in press). A pervasively thinner neocortex is a trans-diagnostic feature of general psychopathology. American J Psychiatry

Collecting data on COVID19 in E-Risk. Kyle had a good idea, to push out survey questions about COVID19 experience to cohorts. The Centre of Longitudinal Studies in London is doing this, and Kyle contributed a set of questions to their effort. As you know, Candice Odgers has been directing a survey of our E-Risk twins, which began a few months ago. The first 1,000 twins responded pre-virus, but the survey is ongoing. Candice is exploring with Antony, Tim, Jo, and Becky in London the idea of adding a page of COVID-relevant questions to the survey at this point. Watch this space.

Richie is sending a letter of support to Dunedin Study members. We did this before, during the Christchurch earthquakes

Avshalom has a first draft of his K07 in the bag. Go Avshalom go!

Top tip from Temi's trip to Duke hospital last Thursday for a knee X-ray. If you are going to put on a mask, *don't wear lipstick*.

NEXT, THE UNHAPPY NEWS:

The NZIDI has indeed shut down, and this shut-down places Leah's population research on hold until it is sorted. But she and Signe are bravely marching ahead with the Danish data.

Zany unhappy news from Avshalom's farming experience:



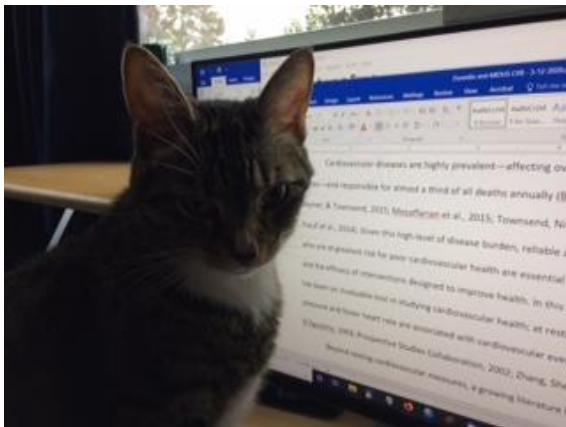
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OPERATIONAL DETAILS:

Meetings: Grey house has now moved to everyone's homes, and Avshalom and I are holding online meetings on the usual schedule. If anyone needs to change time, let me know. We need each team member to arrange for your zoom, skype, or phone call.

Emergency documentation: Honalee wisely pointed out that we should each be preparing a document with information about our projects, key files, passwords, contact details for collaborators, and so forth, in the event we become indisposed and someone has to take over for us. Back up your key files on the Z drive. Everyone please help.

Pets have been greatly aiding our research team members this week:



RESEARCH-PROJECT PROGRESS SINCE 22 MARCH:

Kyle's new paper submitted: Bourassa, Financial Stressors During the Great Recession and Mortality. **VERY TIMELY TOPIC.** Ask Kyle if you want to read it,but maybe you don't, given the sad findings.

New concept paper from Helen Fisher and Rachel Latham.

New concept paper from Aaron.

New concept paper from Christina Carlisi and Essi Viding.

Kyle's paper out for mock review: Bourassa et al. (in mock review). Lower cardiovascular reactivity is associated with more childhood adversity and poorer health in midlife: Replicated findings from the Dunedin and MIDUS cohorts.

Aaron and Max's paper out for mock review: Association of childhood lead exposure with structural brain integrity in midlife.

Dan Belsky's paper in review : Belsky DW, et al. (in review). Quantification of the pace of biological aging in humans through a blood test: a DNA methylation algorithm, *eLife* R&R

Temi's paper in review: Moffitt, TE. (in review). Behavioral and social research to accelerate the geroscience agenda. *Aging Research Reviews*, R&R.

Line's paper in review: Rasmussen, LJ, et al. (in review). Association between elevated suPAR, a new biomarker of chronic inflammation, and accelerated aging. *J Gerontology, Med Sci*

JC's paper in review: J.C. Barnes, et al. (in review). The development of perceptions of punishment risk from adolescence to middle adulthood. *Criminology*.

Jon Schaefer's paper in review: Schaefer, JD, et al. (in review). No evidence for genetic moderation of the effects of adolescent victimization exposure on general psychopathology in the Environmental Risk Longitudinal Twin Study. *J of Abnormal Psychology*

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

Leah Richmond-Rakerd, self-control and preparation for aging

Leah Richmond-Rakerd, mental disorder predicts physical disease and mortality

Tracy Darbeloff, fitness and brain structure

Tracy Darbeloff, lit review on fitness and brain

Maria Gehred, ACEs and brain structure

Max Elliott & Avshalom Caspi, Phase 45 PoA

Jasmin Wertz, Little p and aging

Jasmin Wertz, vital personality and healthy aging

Jasmin Wertz, parenting genomics in multiple cohorts

Kyle Bourassa and Line Rasmussen, stressful life events and suPAR

Max Elliott & Line Rasmussen brain and suPAR

Karen Sugden, education and aging

Geli Ronald and Lizzie, Autism Q and p

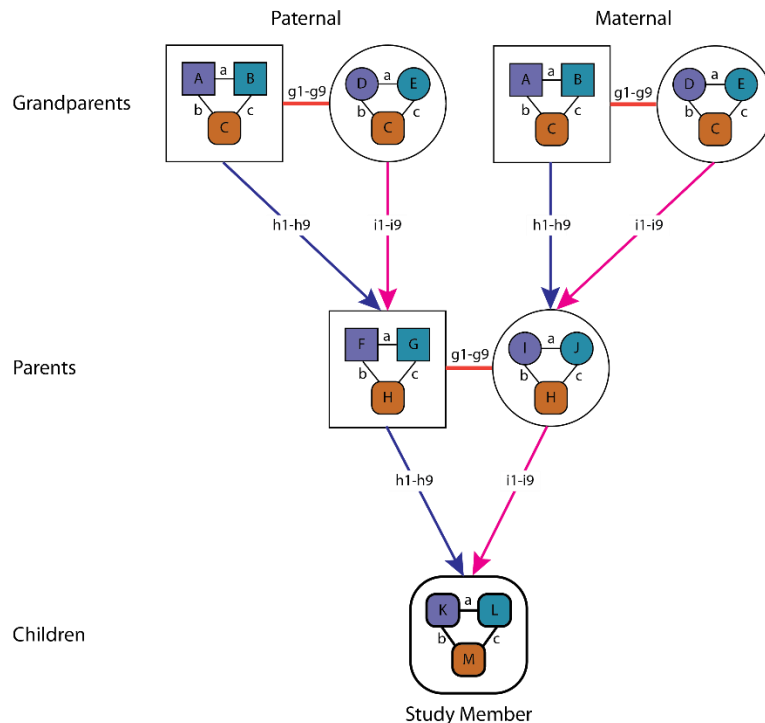
Franky Happe and David, Autism Q and midlife health

Temi Moffitt, JAMA view point on behavioral research in geroscience

Annchen Knodt is analyzing the autism questionnaire and brain structure.

Annchen Knodt and Maria Sison are doing brilliant analyses of financial behaviour and brain and moving forward on new ways of analyzing functional connectivity.

Renate is building some amazing findings about intergenerational patterns of little p, using the Dunedin family history data for study members, parents, and grandparents.



Please send stuff for the next newsletter.

And if anyone needs help, or feels unwell, please let me know. I have sourced a chef who does home delivery of chicken noodle soup and chocolate chip cookies.

Bonus picture: my dinner last night. Under stress, Avshalom cooks.

