

Dear Grey House team and esteemed colleagues, March 22

As they say in Dunedin: Well, here we all are now.

19 days into our new team-building ordeal, and I think it's working! We are indeed a totally great team, and we want to look out for each other, now more than ever.

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.

Party: Cheers to Leah for organizing a zoom party for 8:00pm Tuesday. Wear funny hat!

I will share news to keep us all on the same page, striving for approximately weekly. Here is the all the news I have that's fit to print since 6 March:

FIRST, THE UNHAPPY NEWS:

Jasmin and Kyle have experienced cancellations of speaking engagements, workshops, summer schools, and conferences. These were important networking opportunities for their careers. We are sorry. Avshalom and I have experienced cancellations too, but we are less sorry (smile). All academic visitors to Grey House have cancelled, which is sad.

Leah's May wedding has been postponed, but it is rebooked for September.

Jon Schaefer's PhD graduation ceremony is postponed by Duke.

Antony Ambler was virus-exposed on Monday and is self-isolating in our 400-sq-foot flat in London. Hang in there Antony!

Jo and Becky, who run the E-Risk online survey in London, lost their jobs because of lock-down (Jo owns a café for mums and toddlers, Becky is a school teacher). However, we are able to increase their part-time hours on our project, which means that the E-Risk twin survey will be finished sooner. So for 1000 twins have sent surveys.

All of us have lost our spring and summer travel plans. (frown)

Curt's search for a new post in Michigan is disrupted. We hope not for long.

The NZIDI may shut down if staff are unable to travel to the secure data labs to work. This shut down will place Leah's research on hold until it is sorted.

Anyone else have unhappy news to share? Please send.

NEXT, THE HAPPIER NEWS:



Line's due date for induction is April 7.

Kyle caught a shark:



Leah and Signe got a grant from the Rockwool Foundation to support their project with Barry Milne, Quite a big grant! Hurrah!

Susan got no-cost extensions on our NIA grants, extending them to 2021. (This was a masterful effort! Go Susan go!)

David and Karen have derived the *DunedinPoAm*, a methylation marker of biomarker change from Phase 26 to Phase 45.

Ben and Karen have refreshed the procedures and training for team members who will be first responders in the event the freezer alarms sound, indicating that our freezers of blood and DNA are thawing in Durham. Thank you Ben, Karen, Honalee, and Leah.

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

RESEARCH PROJECT PROGRESS SINCE 6 MARCH:

Peter's paper came out last week: Tanksley, PT, et al. (2020). Identifying psychological pathways to victimization: Evidence from a longitudinal cohort study of twins from the UK. *J of Experimental Criminology*

Aaron's paper got accepted: Reuben, A., et al. (in press). Association of childhood neighborhood disadvantage with DNA methylation. *JAMA Network Open*.

Dan Belsky's paper has been revised and resubmitted to eLife this week: 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 has been revised and resubmitted: Moffitt, TE. (in review). Behavioral and social research to accelerate the geroscience agenda. *Aging Research Reviews*, R&R.

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

Jon Schaefer's last PhD chapter is ready to submit this week: Schaefer, JD, et al. (in prep). 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*

Kyle's paper has gone 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 have their paper almost ready for mock review, entitled: Association of childhood lead exposure with structural brain integrity in midlife.

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

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

Honalee is making gorgeous masks, place your orders soon. Why should the Japanese



have all the fun?????????:

We are very fortunate that we have jobs that can be done from home, and fortunate that we won't lose our incomes this summer. However, some of our partners and family members will not be so fortunate.

Anyone else have happy news to share? Please send.



Pets are learning to code.

And Aaron is learning to garden.



Please send stuff for the next newsletter.

And if anyone needs help, or feels unwell, please let me know.