

August 10, 2020 newsletter.

Dear Grey House team and esteemed colleagues,
160 days into our team-building adventure that is trying our... patience and fortitude.

Take the quiz” Are you PATIENCE, or are you FORTITUDE???

<https://www.nypl.org/blog/2018/08/10/quiz-are-you-patience-or-fortitude>

Patience and Fortitude, two lions who guard New York City’s Public Library, symbolize how to endure the pandemic. <https://www.nypl.org/help/about-nypl/library-lions>



Meanwhile, here is the all the news I have that’s fit to print since 27 July:

We felt a 5.1 earthquake Sunday morning, at 8:10am. Eeeeeeeek!



NOW THE HAPPY NEWS! There's lots, and it's really happy!

Our lovely Jo Newbury got married! Mazeltov Jo, you look beautiful!



Our longtime wonderful program officer, Dr. Lis Nielsen, has been promoted to director of the Division of Behavioral & Social Research. Terrific article about Lis here:
<https://www.psychologicalscience.org/observer/a-new-force-for-behavioral-science-in-aging-research>



Upcoming August birthdays:

Annchen 14th, Max 21st, Tracy 26th. Hmmmmmmm....does the downstairs Greyhouse neuro-imaging team preferentially recruit August-borns?

Aaron has won the 2nd place award for “[outstanding student reporting on the environment](#)” from the Society of Environmental Journalists for his Outside Magazine 2019 cover story on nature prescribing. The award comes with a prize and free entry to the society and its 2020 annual conference. **Well done Aaron!!!**

Our 4-decades of mental disorder paper was covered here in PsyPost:

<https://www.psypost.org/2020/08/new-psychology-study-finds-people-typically-experience-shifting-mental-disorders-over-their-lifespan-57618>

NEXT, THE UNHAPPY NEWS:

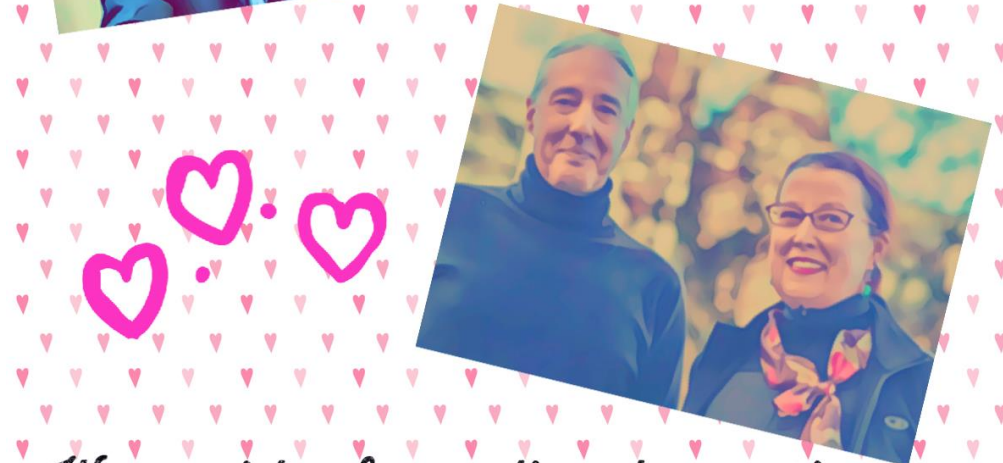
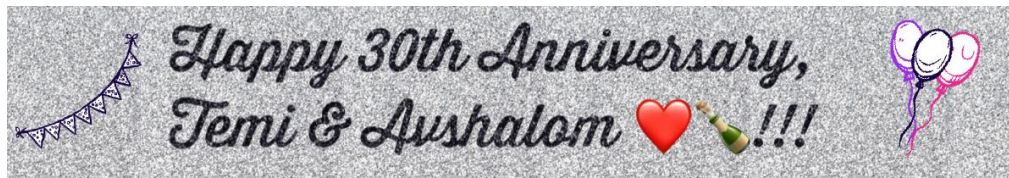
SGDP Centre still closed due to contaminated water pipes. Boo!

Hi Tony, Massive apologies. Sadly we're still not able to open. We failed the water tests again...

We're now hoping Monday 17th but unfortunately still not guaranteed.

Cheers, all the best, Chris Parsons,
Senior Research Officer,
SGDP Centre (PO80),
Institute of Psychiatry, Psychology and Neuroscience,
Denmark Hill,

Science-visualizations, from Chloe and family in London:



*Warm wishes for continued memories,
smiles and never-ending love!*

*Lots of love,
Chloe & Ying
Zachary & Alexander
xxxxxxxxxxxx*

RESEARCH-PROJECT PROGRESS SINCE 3 August:

Rachel Latham and Helen Fisher's paper was accepted by Social Psychiatry and Psychiatric Epidemiology! Ahhhhhhhhhhhhhh that is satisfying!!!!!!! "Childhood maltreatment and poor functional outcomes at the transition to adulthood: A comparison of prospective informant- and retrospective self-reports of maltreatment"

Temi's paper was accepted too, at last!!! I wrote this paper in December 2018, its one of a package of three linked essays, the other two are by Eileen Crimmins and Elissa Epel. Review has moved at a snail's pace. "Behavioral and social research to accelerate the geroscience agenda." [Aging Research Reviews](#).

Joseph Dowsett's paper was submitted to Nature Genetics, and swiftly transferred to *Communications Biology* for review. "Eleven Genomic Loci Affect Plasma Levels of Chronic Inflammation Marker Soluble Urokinase-type Plasminogen Activator Receptor"

Max and Avshalom's paper was sent out for review this week by *Nature Aging*. Hurrah! Disparities in the pace of biological aging among midlife adults of the same chronological age: Implications for early frailty risk and policy.

Leah got a R&R from *PNAS*! Wow! "Childhood self-control forecasts the pace of midlife aging and preparedness for old age"

Aaron's been asked for a 2nd R&R from *Preventive Medicine* for his parks and child health paper using the NSCH sample. Here's hoping this revision will seal the deal!

Jasmin submitted her revised paper to *Social Science and Medicine* this week. Fingers crossed! Personality and healthy aging: Replicated evidence about life-course associations and familial transmission

Aaron and Max somehow turned their second R&R around in under 7 days!!!! As requested by the lunatic JAMA editor, who asked for 39 more changes to text, 10 more changes to tables, and a whole new figure. And Aaron was supposed to be on vacation last week! Max bravely stepped into the breach to get the revisions going. "Association of childhood lead exposure with structural brain integrity in midlife."

Leah, Stephanie and Barry's new NZIDI paper was submitted last week, and transferred immediately to *JAMA-Network Open*: Richmond-Rakerd et al. Mental disorder forecasts physical disease and mortality: 30-year analysis of 2.3 million New Zealanders.

Jessie Baldwin and Andrea Danese submitted their revised paper last week to *JAMA-Pediatrics*. 'Population versus individual prediction of poor health from Adverse Childhood Experiences (ACEs) screening' Fingers crossed Jessie!

Helen, Chloe, and Rhadika's paper got an R&R at *Epigenetics*. Good luck with your revisions!!!! DNA methylation signatures of adolescent victimization: Analysis of a longitudinal monozygotic twin sample.

Kyle's paper is provisionally accepted, pending tweaks, which he did last week and resubmitted. Intimate Partner Violence and Lower Relationship Quality Are Associated with Faster Biological Aging. *Psychology and Aging*.

Maria Gehred's first-year project paper was submitted to *Biological Psychiatry*. "Long-term neural embedding of adverse childhood experiences: a population-representative birth cohort followed for five decades." Good luck Maria!

Jasmin's new paper is out for mock reviews, due back today, 10 August. THANKS TO ALL DOING MOCKS. History of psychiatric illness as a risk factor for accelerated aging: Evidence from a population-representative longitudinal cohort study.

Christina Carlisi and Essi Viding's paper is finally, really, submitted this week: Associations between life-course-persistent antisocial behavior and subcortical brain volume in a population-representative longitudinal birth cohort. To *JAMA-Psychiatry*.

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 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)

SSGAC (the social science genetics consortium) has provided Dunedin and E-Risk with about 40 new polygenic scores, from enormous GWAS incorporating UKBiobank and 23andMe. Honalee has been hard at work managing this new influx of valuable data. **Daniel Belsky** has been running analyses to validate the polygenic scores against key phenotypes. The new scores will feature in a paper to be submitted by SSGAC this month, and then shortly after will be available to our team for analyses.

Sean Hogan in Dunedin delivered two new admin data sets to Honalee this week: Accident Compensation Corporation and Ministry of Social Development. Ministry of Health to come.

Kyle is drafting a grant application to the American Heart Association, who are postponing their usual application deadlines.

Honalee prepared a mega-dataset for Madeline Meier. It's so wonderful that Madeline has tenure and can now collaborate again! Welcome back Madeline!

Barry and Stephanie in Auckland are doing the initial runs in the NZIDI for the new paper with Leah on deaths of despair.

Ben finished analyzing polygenic scores for Jorim Tielbeek's antisocial meta-GWAS in E-risk and Dunedin. Delivering amazing findings to Jorim and JC Barnes this week.

Ben is also deriving the education3 polygenic score in the ALSPAC data that Jasmin has obtained, as soon as ALPAC Deliver their data 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.

Jon and Eilis are analyzing DunedinPoAm derived from postmortem brain tissue.

Susan is doing a budget for a new application to NIA, chasing up **Max's** fellowship, developing different budget scenarios to handle any potential cuts to the cannabis grant, working on **Stephanie's visa**, and maintaining our website. www.moffittcaspi.com

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.

Aaron and Max are writing applications for clinical hospital internships while also starting new clinical rotations. **We wish you stamina, guys!**

Jo Newbury is updating some of the neighbourhood data on E-Risk twins, because now she can reduce missing data.

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

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

This week's newsletter theme:

**Summer chores in the northern hemisphere, and...
Winter chores in the southern hemisphere!**



Essi's family deals with Britain's heat wave by cooling off in Sussex.

Stephanie Langevin writing her PhD dissertation north of Montreal, at Tremblant (which just happens to be where Sol's, Idan's, and Dan's families go every summer).



Feeding the fowl, loads of chores at Ben and Karen's place.



Aaron's son Ronen enjoyed his summer suit.



Aaron's summer chore, helping friends move, in 95-degree heat, wit masks.



Oscar mowing the lawn at the Macon Farm, with tractor-matching outfit.



Temi's friends Fi and Dave giving a COVID jazz concert every Thursday night all summer in the Muswell Hill neighbourhood of London. Musical summer chores!



Peeling half a bushel of peaches, with the carpal tunnel syndrome to prove it.



E-Risk co-Investigators zoom August 7, considering our proposal-writing chores. The faces depict our enthusiasm. Really.



Getting ready to look good on zoom (with the help of Clara).



David's chore of preparing steaks for his new dog.

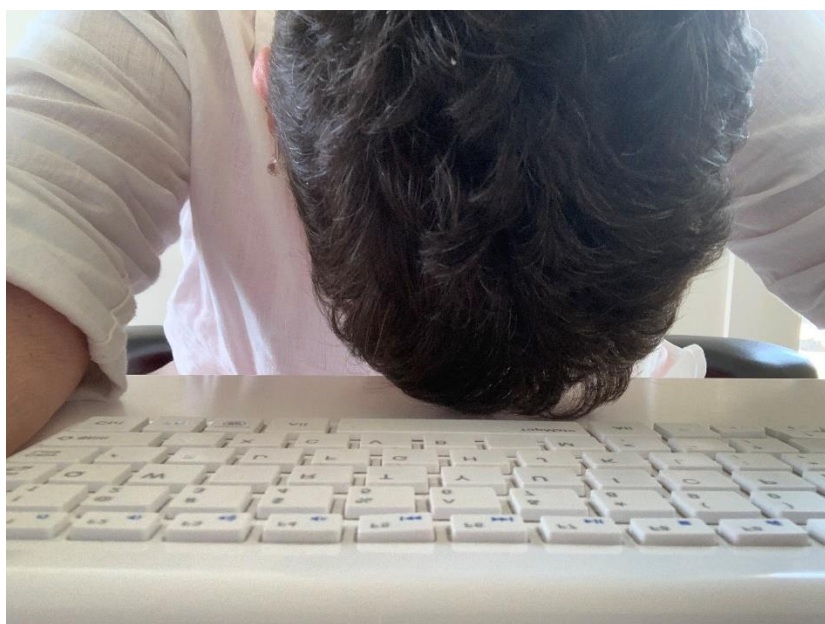
Renate's summer pickle-making chore. So fresh!



Our collaborators Greg Miller, Edith Chen, and Jonah, at Milford sound in February before the pandemic lockdowns. Not much of a chore, but we are glad it worked out!



Temi, doing her proposal-writing chores.



Helen Fisher entertains friends on the water, great social distancing Helen!



JC Barnes' summer chore of catching barn varmints in a trap, with sunset.



Wishing you all a serene week, wherever you are, Temi



Thank you Stephanie Langevin for this serene photo

