

Hello Grey House team members and esteemed quaran-teammates!

We are now 396 days into our year-long team-building escapade! So, like every other bloody media outlet, let's review where we were a year ago. Now today we are all seasoned pandemic experts. We've learned the differences among a plethora of different tests and vaccines, learned about flattening curves, herd-immunity, variants, ...we are old hands! You can't surprise us!

Newsletter theme: Best of 2020 newsletters, the March, April, May issues. How did we view things a year ago?

But first, a view of us from Canada. These events brought cities to a standstill last week.



(MICHAEL DE ADDER FOR THE TORONTO STAR)

22 March 2021 Newsletter theme: Best of 2020 newsletters: best of the March, April, May issues. How did we view things a year ago, when the pandemic was shiny and new?

From March 2020: 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 been cancelled for summer, 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. Maybe later, in fall.

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 lockdown (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 far 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. Boooo!

THE March 2020 HAPPY NEWS, This was really happy.....welcome Oscar!



From APRIL 2020:

A year ago, projects underway were making good progress toward mock review:

Leah Richmond-Rakerd, self-control and preparation for aging ...*published now*

Leah Richmond-Rakerd, mental disorder predicts physical disease ...*published now*

Tracy Darbeloff, fitness and brain structure ...*published now*

Tracy Darbeloff, lit review on fitness and brain ...*published now*

Maria Gehred, ACEs and brain structure ...*published now*

Max Elliott & Avshalom Caspi, Phase 45 PoA ...*published now*

Jasmin Wertz, Little p and aging ...*published now*

Jasmin Wertz, vital personality and healthy aging ...*R&R now*

Jasmin Wertz, parenting genomics in multiple cohorts

Kyle Bourassa and Line Rasmussen, stressful life events and suPAR ...*submitted now*

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*R&R now*

Temi Moffitt, view point on behavioral research in geroscience*R&R now*



Masks were a novelty that we all thought would be short-term fun!

From APRIL 2020, 40 days into our shared ordeal of team-building. This is the typical biblical time for team-building ordeals, 40 days and 40 nights of rain for Noah, 40 days (or years?) wandering in the Sinai desert for Moses, and even Jesus was tempted by the devil for 40 days and nights in the Judaeen Desert. We'd passed the "oh boy, working from home!" stage, and then next the "horrors of working from home" stage, and it seemed we were in the "stimulation-seeking through food" stage. (This stage also happened to Noah, Moses, and Jesus.) Thus, this newsletter celebrated team members' enthusiastic **cooking and eating theme**.

Kyle and Ali's amazing burgers (they baked the bun and grew the lettuce), plus their outstanding bread and cheese making.

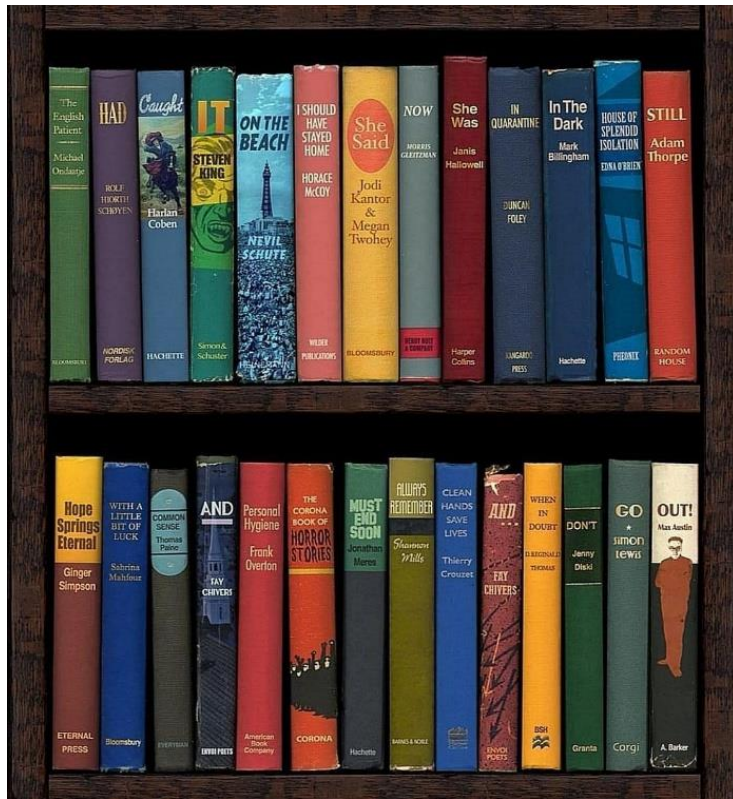


Curt and Leah's comfort standby, diGiorno! Susan's lovely lemon Easter cake.



And from the April Nature theme....Honalee's fungal porn, we found out these are the sex organs of the cedar apple rust - 'telial horns' that send out reproductive spores. EEEK!





Read the titles, sweetie.

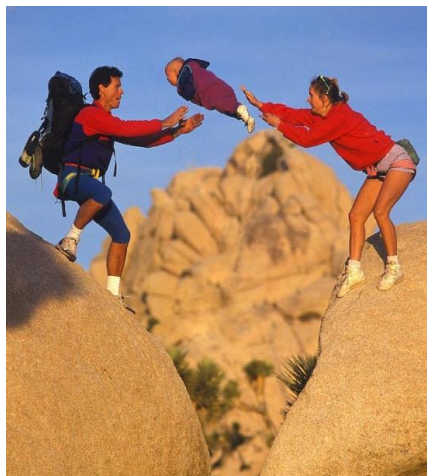
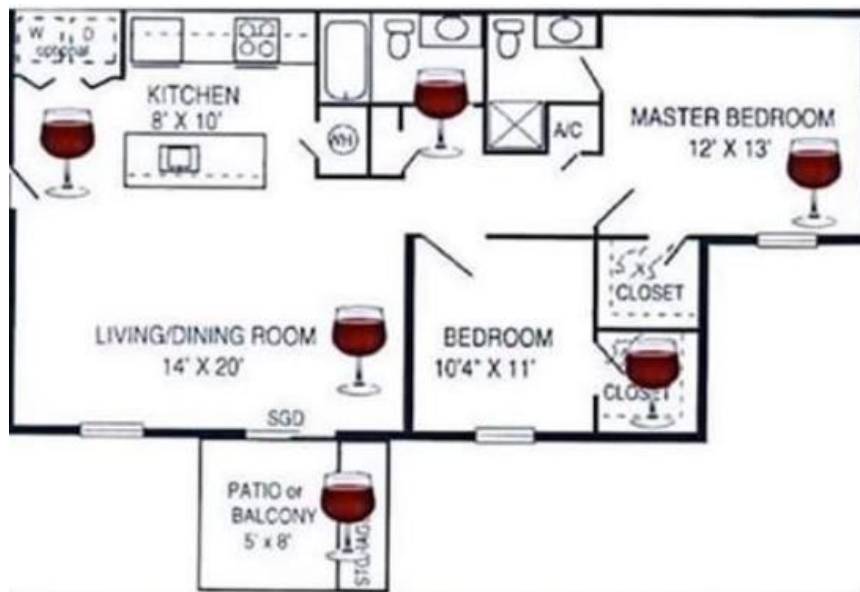
From MAY 2020.

Theme: our travel dreams

Barry in Auckland sometimes had fantasies that he was being chased by a rabbit

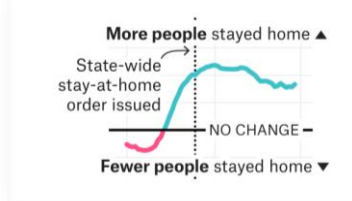


In May, collaborator Madeline Meier in Arizona looked forward very much to her summer 2020 wine tour!



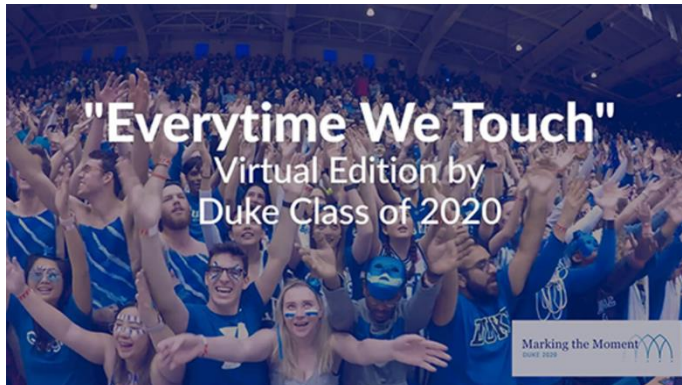
Aaron and Jessalee and Ronen were trying this.

Kyle's *FiveThirtyEight* article was published in May! He worked with Nationwide cell-phone data show how social distancing is working. Kyle says: "A bit more political than I would have been on my own and the language is a little imprecise, but I think the point we make is a good one. And man do I love that figure."



<https://fivethirtyeight.com/features/americans-didnt-wait-for-their-governors-to-tell-them-to-stay-home-because-of-covid-19/>

In May: No basketball game at Cameron Indoor Stadium starts without a boisterous, bouncing sing-along to "**Everytime We Touch**" led by Cascada's Natalie Horler.



https://vimeo.com/415517108?utm_source=newsletter&utm_medium=email&utm_content=Graduating%20to%20%27Everytime%20We%20Touch%27&utm_campaign=dukedaailyMay11_20

Our first-ever Grey House Goose-naming Competition! Ben and Karen became nurturing parents to 4 young geese, and they invited team members to name them. There was a **prize** for the names chosen, won by Renate's son, Aidan.



Our May theme: What would Mom do? Bake to cheer others, obviously, like Jasmin did.



Three of these deliveries were made. As always, if anyone feels unwell, in body or spirit, please let me know. Strict confidentiality is guaranteed, as is a home delivery of chicken soup, and chocolate chip cookies. Fondly, Temi



Calendar of upcoming events for 2021:

April:

- 12: Duke wellness day for students and staff (mandatory meditation and aromatherapy, really!)
- 21: Max Elliott's PhD dissertation oral defense
- 23: David Corcoran birthday
- 24: Kyle Bourassa birthday
- 25: Line Rasmussen birthday
- 27: Ahmad Hariri birthday

May

- 5: Avshalom's birthday
- 29: Susan Harward's birthday
- 31: Line Rasmussen's last day of her postdoc at Duke, shall we have a party?

JUNE: 17-year cicadas are expected to emerge from the ground.

If you have events coming up, and would like to share them, do let me know. Temi

THE HAPPY NEWS:

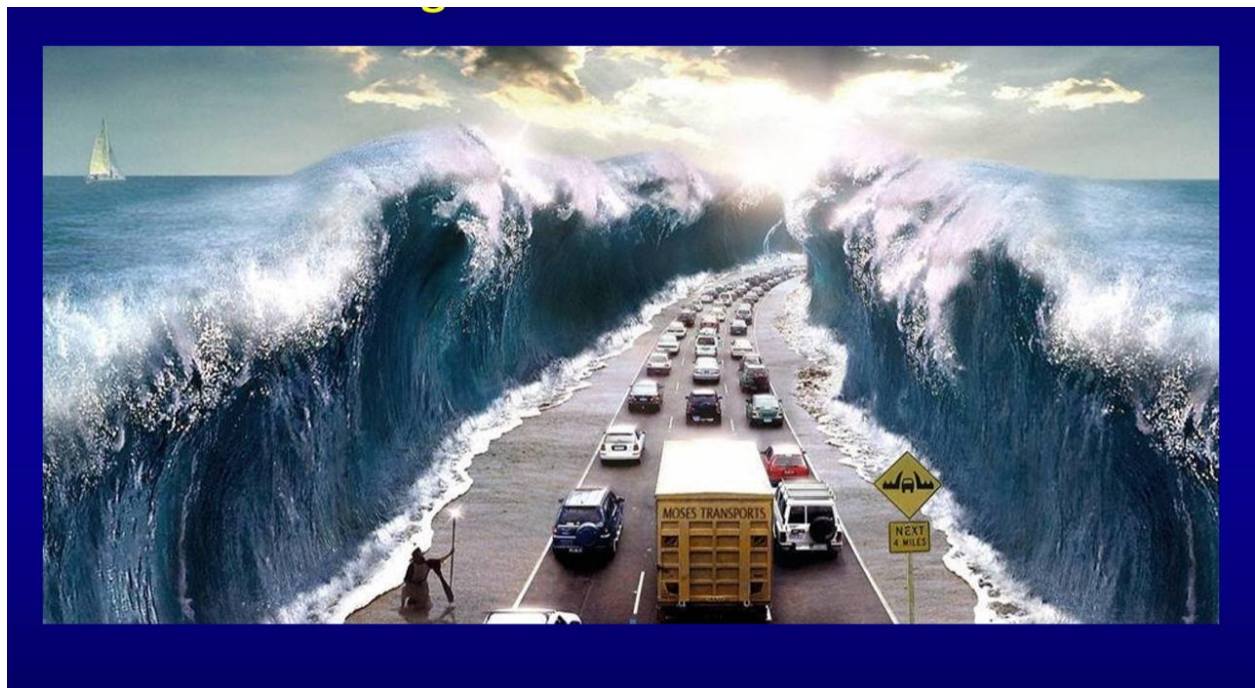
Tracy D'Arbeloff defended her dissertation, go doctor Tracy!

THE UN-HAPPY NEWS:

May 31 is Line Rasmussen's last day of her postdoc at Duke. Gulp.

THIS WEEK's Science visualizations:

This weekend was Passover. So our science vis starts there.



thanks Idan!

New Data Resources for you!

New data initiative on vaccine

intentions: The Dunedin Unit team is going to ring up the Dunedin SM's to ask about their views on the getting the COVID vaccine. Apparently 1/3 of New Zealanders are against vaccination. Watch this space.



New E-Risk 2019-2020 survey data available via collaboration with Candice Odgers:

Tony, Tim and Candice have planned how they can best support papers using data from this study. The data are in (three big cheers!!!) with a completion rate above 73%. This rate is far better than we could have expected from the web, and this would not have been possible without Becky and Jo.

Antony has the datafile. This is in raw form. He is ensuring it is safely saved and ready to share and is generating a codebook with the item level variables and variable names. A copy of the survey instrument can be obtained from him at Antony.ambler@kcl.ac.uk.

Proposed papers so far (concept papers coming soon):

- a. Tim: Loneliness and social media use.
- b. Candice: do polygenic scores and psychopathology predict social media patterns?
- c. ALL: test of differences in mental health, loneliness, social media use, perceptions of the future, pre-COVID versus post-COVID lock down.
- c. Jasmine: NEET Status in the transition to adulthood
- d. Candice: Stability and Change in Subjective Social Status over time.
- e. Temi & Av: does child maltreatment/ACEs history predict mistrust of institutions?

NEW Data Resource for both Dunedin and E-Risk!!!!

Polygenic scores based on SSGAC GWAS of ~a million participants, for a very large number of interesting phenotypes.

There will be a "Resource Profile and User Guide of the Polygenic Index Repository" (NATHUMBEHAV-200812240A).

Now who snuck off and went to Florida on spring break?



Sooooooooooooo naughty.

RESEARCH-PROJECT PROGRESS SINCE 22 March:

Honalee has found an R package that is a “codebook generator” that she can use to help new users understand their data sets.

Max Elliott and Avshalom’s paper in *Nature Aging* is one of *Futurity*’s top stories last week, with 10,755 page views! <https://www.futurity.org/aging-dementia-frailty-signs-2536772/>

Temi is number 89, entering the top 100 of cited scientists ever (at least among those with a google scholar profile). Avshalom is number 140, closing fast.

Christina Carlisi has submitted her paper to the Stockholm Criminology Symposium, meeting in June.

Stephanie Langevin submitted a symposium to the American Society of Criminology, meeting in November.

Our work is given a shout out on the NIA website in a new feature story about epigenetics of aging. https://www.nia.nih.gov/news/epigenetics-aging-what-bodys-hands-time-tell-us?utm_source=nia-mailchimp&utm_medium=email&utm_campaign=news-20210329&utm_source=NIA+Main&utm_campaign=8362fc820c-EMAIL_CAMPAIGN_2021_03_29_47788&utm_medium=email&utm_term=0_ffe42fdac3-8362fc820c-7371837

Kyle Bourassa and Line Rasmussen’s paper is in review “Linking Stressful Life Events and Chronic Inflammation Using suPAR (Soluble Urokinase Plasminogen Activator Receptor)”

Signe Hald Andersen and Leah Richmond-Rakerd got minor R&R requests from PNAS for their paper: "Nationwide evidence that education disrupted multigenerational transmission of health & social disadvantage." **Well done all!**

David Mason and Franky Happe are resubmitting their revision to *Autism Research* this week. Autistic traits are associated with faster pace of aging: Evidence from the Dunedin Study at age 45. **Fingers crossed!**

Temi and Avshalom are authors on a resubmission to *JAGS* (Journal of the American Geriatrics Society). Sierra F., Andersen J.K., Caspi A., Fortinsky R.H., Haynes L., Lithgow G.J., Moffitt T.E., Verdin E. and Kuchel G.A. Moving Geroscience from the Bench to Clinical Care and Health Policy (JAGS-2362-SA-Nov-20).

Joseph Dowsett submitted his R&R to *Communications Biology*, entitled "Eleven Genomic Loci Affect Plasma Levels of Chronic Inflammation Marker Soluble Urokinase-type Plasminogen Activator Receptor."

Andrea Danese and Stephanie Lewis are working on an R&R from *British J of Psychiatry* for "Unravelling the contribution of complex trauma to psychopathology and cognitive deficits: a cohort study. "

Barry Milne submitted an R&R from *Advances in Life Course Research* for his manuscript: "Do socially isolated children become socially isolated adults?" **Good as gold, Barry!**

Jenny Van Dongen's paper "Identical twins carry a persistent epigenetic signature of early genome programming" got transferred to *Nature Communications*. **Fingers crossed for Jenny.**

Maria Gehred submitted a new concept paper: Studying midlife brain structure in the high-need, high-cost Pareto group in Dunedin.

Stephanie Langevin submitted her first concept paper: Does the heritability of self-control differ in children from high versus low SES families? Quebec twins and E-Risk.

Inika Sharma and Helen Fisher submitted a new concept paper for a project entitled "Long-term exposure to traffic-related air pollution and Attention Deficit Hyperactivity Disorder"

Jessica Agnew-Blais and Jon Mill submitted a new concept paper for a project entitled "Epigenome-wide Association Study of ADHD".

Rachel Latham and Helen Fisher have a new concept paper in review for: "Preliminary investigation of associations between individualised risk at age 12 of future depression and age-18 inflammation in a UK longitudinal cohort study"

Everyone please send me a few lines about what you are doing, research-wise, so I can add to the next newsletter. Thanks everyone! Temi

Have a serene week everyone.



It's peach-blossom season