

Drew M Altschul

CONTACT INFORMATION	7 George Square Edinburgh, UK EH8 9JZ	<i>E-mail:</i> drew.altschul@ed.ac.uk <i>Phone:</i> +44 7961208343
EDUCATION	The University of Edinburgh , Edinburgh, Scotland PhD in Psychology, 2017 Dissertation title: “Chimpanzee personality and its relations with cognition and health: a comparative perspective” Brandeis University , Waltham, Massachusetts MSc in Neuroscience, 2010 Massachusetts Institute of Technology , Cambridge, Massachusetts SB in Brain and Cognitive Sciences, 2008	
RESEARCH EXPERIENCE	The University of Edinburgh , Edinburgh, Scotland Department of Psychology <i>Research Associate</i> , at Mental Health Data Science Scotland August 2018 - present <i>Research Fellow</i> , at Centre for Cognitive Ageing and Epidemiology August 2017 - June 2018 <i>PCD PhD Scholar</i> , supervised by Dr Alexander Weiss & Prof Ian Deary September 2013 - July 2017 Columbia University , New York, NY Department of Psychology <i>Laboratory Manager</i> , with Prof Herbert Terrace June 2010 - June 2013 The University of Cape Town , Cape Town, South Africa Cognitive Ethology Research Group/Baboon Research Unit <i>Field Researcher</i> , with Dr Rahel Noser September 2009 - April 2010 Brandeis University , Waltham, MA Department of Neuroscience <i>Postgraduate Research Student</i> August 2008 - May 2009 Massachusetts Institute of Technology , Cambridge, MA Department of Brain and Cognitive Sciences <i>Undergraduate Researcher</i> , with Prof Earl Miller May 2006 - May 2008	
TEACHING EXPERIENCE	The University of Edinburgh , Edinburgh, Scotland <i>Lecturer</i> , Year 3 Multivariate Statistics March 2020 - April 2020 University of Dundee , Dundee, Scotland <i>Guest Lecturer</i> , People, Health, and Communities Advanced Methods Seminar April 2019	

The University of Edinburgh, Edinburgh, Scotland*Writing Tutor, PPLS School Writing Centre* **September 2016 - July 2017***Tutor, MSc Univariate and Multivariate Statistics* **September 2013 - January 2017***Tutor, Year 3 Critical Analysis* **September 2014 - January 2017***Lab Tutor, Year 1 Psychology* **February 2015 - April 2015***Tutor, Year 1 Psychology* **September 2013 - May 2014****Columbia University, New York, NY***Course Organizer, Animal Cognition Seminar* **September 2010 - June 2013****Massachusetts Institute of Technology, Cambridge, MA***Teaching Assistant, Animal Behavior* **September 2007 - January 2008****OUTREACH***Presenter, Big Data Detectives* **Edinburgh International Science Festival, April 2019***Co-organizer, Communication Roundtable* **International Primatological Congress, August 2016***Organizer, Big Brother is Nudging You* **Edinburgh International Science Festival, April 2016***Presenter, Science Night at the Zoo* **Edinburgh International Science Festival, April 2016***Organizer, The Great Ape Debate* **Edinburgh International Science Festival, April 2015***Demonstrator, Museum Late* **National Museum of Scotland, February 2015****POSITIONS &
APPOINTMENTS***Organizer, Ageing and Linkage Project, ManyPrimates Collaboration* **June 2019 - present***Co-organizer, Short Term Memory Project, ManyPrimates Collaboration* **April 2019 - present***Chair, Authorship Committee, ManyPrimates Collaboration* **November 2018 - present***Co-organizer, 1st ManyPrimates Workshop* **July 2019 - July 2020***Co-organizer, Doing Bayesian Data Analysis Reading Group* **September 2018 - January 2019***Co-organizer, REPS: REproducible Psychological Science* **September 2017 - May 2018***Symposium Convener, Euro Conference on Behavioral Biology* **January 2018 - August 2018***Member, Early Career Committee, American Society of Primatologists* **July 2015 - present***Tutor Representative, Department of Psychology* **October 2015 - July 2017***Coordinator, Individual Differences Journal Club* **September 2014 - July 2016****AWARDS**

2016 - Public Library of Science, Publication Assistance Award

2015 - Great Britain Sasakawa Foundation, Research Training Travel Grant

2014 - British Society for the Psychology of Individual Differences, Best Presentation

2013 - Edinburgh Global Research Scholarship

2013 - Principal's Career Development PhD Scholarship

2008 - Sigma Xi, The Scientific Research Honors Society

2008 - Umaer Basha Undergraduate Research Opportunities Fund

2007 - John Reed Undergraduate Research Opportunities Fund

Submitted

Altschul, D.M., Starr, J.S., Deary, I.J. Blood pressure and cognitive function across the eighth decade: a prospective study of the Lothian Birth Cohort of 1936. *BMJ Open*, 1st review.

Iveson, M.H. **Altschul, D.M.**, Deary, I.J. Do childhood socioeconomic circumstances moderate the association between childhood cognitive ability and all-cause mortality? *BMJ Open*, 1st review.

Farrar, B.G., **Altschul, D.M.**, Clayton, N.S., Fischer, J., Harvey, N., Ostojic, L., Troisi, C., Van Der Mescht, V. Hypotheses, statistical inferences and negative evidence in folk physics studies: a registered report. *Animal Behavior and Cognition*, under stage 1 review as a Registered Report.

Published

The Fragile Families Challenge Team, ... **Altschul, D.M.**, ... (2020). Measuring the predictability of life outcomes with a scientific mass collaboration. *Proceedings of the National Academy of Sciences*, In press.

Altschul, D.M. (2020). Leveraging multiple machine learning techniques to predict major life outcomes from a small set of psychological and socioeconomic variables: a combined bottom-up/top-down approach. *Socius*, In press.

Wilson, V.A.D., Freeman, H.D., Parr, L.A., LeFevre, C.E., Ochiai, T., Inoue-Murayama, M., Matsuzawa, T., Weiss, A., **Altschul, D.M.** (2020). Assessment of facial metrics in chimpanzees: effects of age, sex, and personality. *Evolution & Human Behaviour*, In press.

Altschul, D.M., Iveson, M.I., Deary, I.J. (2020) Generational differences in loneliness and its psychological and sociodemographic predictors: an exploratory and confirmatory machine learning study. *Psychological Medicine*, 1-10.

Sibbett, R. A., **Altschul, D. M.**, Marioni, R. E., Deary, I. J., Starr, J. M., Russ, T. C. (2020). DNA methylation-based measures of accelerated biological ageing and the risk of dementia in the oldest-old: a study of the Lothian Birth Cohort 1921. *BMC psychiatry*, 20(1), 1-15.

Many Primates, **Altschul, D.M.**, ... (2019). Collaborative open science as a way to reproducibility and new insights in primate cognition research: a systematic review. *Japanese Psychological Review*, 62(3), 205–220.

Altschul, D.M., Wraw, C., Gale, C.R., Deary, I.J. (2019). How youth cognitive and sociodemographic factors relate to the development of overweight and obesity in the UK and the US: a prospective cross-cohort study of the National Child Development Study and National Longitudinal Study of Youth 1979. *BMJ Open*, 9(12).

Altschul, D.M., Deary, I.J. (2019). Playing games is associated with reduced declines in cognitive function: a 68 year longitudinal cohort study. *The Journals of Gerontology: Series B*, <https://doi.org/10.1093/geronb/gbz149>.

Many Primates, **Altschul, D.M.**, ... (2019). Establishing an infrastructure for collaboration in primate cognition research. *PLOS One*, 14(10): e0223675.

Altschul, D.M.,* Robinson, L.M.,* Coleman, K. , Capitanio, J., Wilson, V.A.D. (2019). An exploration of the relationships among facial dimensions, age, sex, dominance status and personality in rhesus macaques (*Macaca mulatta*). *International Journal of Primatology*, 4(40), 532-552.

Altschul, D.M., Wraw, C., Der, G., Gale, C., Deary, I.J. (2019). Hypertension development by midlife and the roles of pre-morbid cognitive function, sex, and their interaction. *Hypertension*, 73(4), 812-819.

Altschul, D.M.,* Morton, F.B.* (2019). Guidelines for using extraction methods in data reduction analyses of social relationship structures. *Animal Behaviour*, 149, 89-95.

Wilson, V.A., Guenther, A., Øverli, Ø., Seltmann, M.W., **Altschul, D.M.** (2019). Future Directions for Personality Research: Contributing New Insights to the Understanding of Animal Behavior. *Animals* 9(5), 240.

Altschul, D.M., Hopkins, W.D., Herrelko, E.S., Inoue-Murayama, M., Matsuzawa, T., King, J.E., Ross, S.R., Weiss, A. (2018). Personality links with lifespan in chimpanzees. *eLife*, 7, e33781.

Altschul, D.M., Starr, J.M., Deary, I.J. (2018). Cognitive function is associated with later life blood glucose in the Lothian Birth Cohort of 1936. *Diabetologia*, 61, 1946–1955.

Altschul, D.M. (2017). A replication of sexual dimorphisms in size and longevity in a simulated baboon population. *Evolution*, 71(10), 2533-2534.

Altschul, D.M., Wallace, E.K., Sonnweber, R.S., Tomonaga, M., Weiss, A. (2017). Chimpanzee intellect: personality, performance, and motivation with touchscreen tasks. *Royal Society Open Science*, 4(5).

Altschul, D.M., Jensen, G., Terrace, H. S. (2017). Perceptual category learning of photographic and painterly stimuli in rhesus macaques (*Macaca mulatta*) and humans. *PLoS One*, 12(9), e0185576.

Altschul, D.M.,* Robinson, L.M.,* Wallace, E.K., Úbeda, Y., Llorente, M., Machanda, Z., Slocombe, K.E., Leach, M.C., Waran, N.K., Weiss, A. (2017). Chimpanzees with positive welfare are happier, extraverted, and emotionally stable. *Applied Animal Behaviour Science*, 191, 90-97

Wallace, E.K., **Altschul, D.M.,** Pavonetti, S.P., Benti, B., Koerfer, K., Waller, B., Slocombe, K.S. (2017). Is music enriching for group-housed captive chimpanzees? *PLoS One*, 12(3), e0172672.

Altschul, D.M., Terrace, H. S., Weiss, A. (2016). Serial cognition and personality in macaques. *Animal Behavior and Cognition*, 3(1), 46.

Weiss, A., **Altschul, D.** (2016). Methods and applications of animal personality research. In J. Call (Ed.), *Handbook of Comparative Psychology*. Washington DC: American Psychological Association.

Jensen, G., **Altschul, D.** (2015). Two perils of binary categorization: why the study of concepts can't afford true/false testing. *Frontiers in psychology*, 6.

Avdagic, E., Jensen, G., **Altschul, D.,** Terrace, H.S. (2014). Rapid cognitive flexibility of rhesus macaques performing psychophysical task-switching. *Animal Cognition*, 17(3), 619-631.

Jensen, G., **Altschul, D.,** Danly, E., Terrace, H.S. (2013). Rhesus macaques use a common representation space to solve distinct problems. *PLoS One*, 8(7): e70285.

Jensen, G., **Altschul, D.,** Terrace, H.S. (2013). Monkeys would rather see and do: preference for agentic control in rhesus macaques. *Experimental Brain Research*, 229(3), 429-442.

PRESENTATIONS

Altschul, D.M., Iveson, M.I., Deary, I.J. (2019). Early-life cognitive ability and recovery from stroke. Accepted for presentation at the International Conference of Administrative Data Research, Cardiff, UK.

Altschul, D.M., Iveson, M.I., Deary, I.J. (2019). Generational differences in loneliness and its psychological and sociodemographic predictors in the UK. Presentation at the Society for Longitudinal and Lifecourse Studies Conference, Postdam, Germany.

Altschul, D.M., Warren, E. (2019). ManyPrimates: Establishing an Infrastructure for Collaboration in Primate Cognition Research. Presented at the Scottish Primate Research Group Meeting, Brechin, UK.

Altschul, D.M. (2018). Statistical power and its relevance to studies of primate behavior and cognition. Invited presentation, given at the International Primatological Society Congress, Nairobi, Kenya.

Altschul, D.M. (2018). Personality links with lifespan in chimpanzees. Presented at the International Primatological Society Congress, Nairobi, Kenya.

Altschul, D.M. (2018). Personality links with lifespan in chimpanzees. Presented at the European Conference on Behavioural Biology, Liverpool, UK.

Altschul, D.M., Brosnan, S., Morton, F. B., Beran, M., Parrish, A., Weiss, A. (2017). Personality and self-control in non-human primates. Presented at the Scottish Primate Research Group Meeting, Brechin, UK.

Altschul, D.M. (2016). How to Lasso: Least absolute shrinkage and selection operator. Presented at EdinbR, Edinburgh, UK.

Altschul, D.M., Jensen, G., Terrace, H. S. (2016). Concept learning of ecological and artificial visual stimuli in humans and captive rhesus macaques. Presented at International Primatological Society Congress, Chicago, IL, USA.

Altschul, D. M., King, J. E., Inoue-Murayama, M., Ross, S. R., Weiss, A. (2016). Longevity and personality in captive chimpanzees (*Pan troglodytes*). Presented at Chimpanzee Symposium, Chicago, IL, USA. (Preprint available at <https://peerj.com/manuscripts/10810/>).

Altschul, D.M., Sonnweber, R.S., Wallace, E.K., Weiss, A. (2016). Chimpanzee motivation, personality, and intellect: evidence from touchscreen tasks. Presented at the Scottish Primate Research Group Meeting, Brechin, UK.

Altschul, D.M., Weiss, A. (2015). Individual differences in chimpanzee (*Pan troglodytes*) personality, learning, and engagement in touch screen tasks. Presented at the American Society of Primatologists Meeting, Bend, OR, USA. In *American Journal of Primatology*, 77, 93. 111 River St, Hoboken, 07030-5774, NJ, USA: Wiley-Blackwell.

Altschul, D.M., Sinn, D., Weiss, A. (2015). A comparative outlook on chimpanzee metabolic health: a personality and biomarker study. Presented at the Scottish Primate Research Group Meeting, Brechin, UK.

Altschul, D.M., Sinn, D., Weiss, A. (2014). Personality and blood chemistry associations with cardiovascular health in chimpanzees (*Pan troglodytes*). Presented at the American Society of Primatologists Meeting, Decatur, GA, USA. In *American Journal of Primatology*, 76, 61. 111 River St, Hoboken, 07030-5774, NJ, USA: Wiley-Blackwell.

Altschul, D.M., Jensen, G., Terrace, H.S. (2014). Perceptual concept learning using ecological and artificial stimuli in monkeys. Presented at the European Conference on Behavioural Biology, Prague, Czech Republic.

Altschul, D.M., Jensen, G., Terrace, H.S. (2014). Perceptual concept learning using ecological and artificial stimuli in monkeys. Presented at the British Society for the Psychology of Individual Differences, London, UK.