

SAM PARSONS

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CURRENT POSITION

Postdoctoral Research Associate

2018 - Present

Oxford Centre for Emotions and Affective Neuroscience (OCEAN)

University of Oxford

Project 1: Affective flexibility and worry in adolescence

Project 2: Analysis and dissemination of CogBIAS project data

Project 3: Tools for the estimating reliability of cognitive-behavioural tasks

EDUCATION

University of Oxford

2014 - 2019

DPhil in Experimental Psychology

Thesis: The cognitive characteristics of resilience and optimal health (Funded by ERC grant)

Oxford Brookes University

2013 - 2014

MSc in Psychology

Distinction

University of Stirling

2008 - 2012

BSc in Psychology

Upper Second Class

PUBLICATIONS

Herbert, M., Notebaert, L., **Parsons, S.**, Fox, E., & MacLeod, C. (2018). The Effect of Varying Danger Controllability on Attention to Threat Messages. *Applied Cognitive Psychology*. DOI: 10.1002/acp.3628

Parsons, S., Kruijt, A-W., & Fox, E. (2019). Psychological Science needs a standard practice of reporting the reliability of cognitive behavioural measurements. *Advances in Methods and Practices in Psychological Science*. DOI: doi.org/10.1177/2515245919879695. Preprint: <https://psyarxiv.com/6ka9z>

Booth, C., Songco, A., **Parsons, S.**, Heathcote, L.C., & Fox, E. (2019). The CogBIAS longitudinal study of adolescence: Cohort profile and stability and change in measures across three waves. *BMC Psychology*, 7, 73. DOI:10.1186/s40359-019-0342-8

Crüwell, S., van Doorn, J., Etz, A., Makel, M.C., Moshontz, H., Niebaum, J., Orben, A., **Parsons, S.**, & Schulte-Mecklenbeck, M. (2019). 7 Easy Steps to Open Science: An annotated reading list. *Zeitschrift für Psychologie*, 227, 237-248. DOI: <https://doi.org/10.1027/2151-2604/a000387>. Preprint: <https://psyarxiv.com/cfzyx>

Kruijt, A-W., **Parsons, S.**, & Fox, E. (2019). A meta-analysis of bias at baseline in RCTs of attention bias modification: no evidence for bias towards threat in clinical anxiety and PTSD. *Journal of Abnormal Psychology*, 128(6), 563-573. DOI: 10.1037/abn0000406. Preprint DOI: 10.31234/osf.io/rfjup

Notebaert, L., Georgiades, J., Herbert, M., Grafton, B., **Parsons, S.**, Fox, E., & MacLeod, C. (2018). Trait anxiety and the alignment of attentional bias with controllability of danger. *Psychological Research*. DOI: <https://doi.org/10.1007/s00426-018-1081-9>

Lakens, et al. (2017). Justify Your Alpha: A Response to Redefine Statistical Significance. *Nature Human Behaviour*, 2, 168-171. DOI:10.1038/s41562-018-0311-x. Preprint DOI: 10.17605/OSF.IO/9S3Y6

Booth, C., Songco, A., **Parsons, S.**, Heathcote, L., Vincent, J., Keers, R., & Fox, E. (2017). The Cog-BIAS longitudinal study protocol: cognitive and genetic factors influencing psychological functioning in adolescence. *BMC Psychology*, 5(1). DOI: <https://doi.org/10.1186/s40359-017-0210-3>

Parsons, S., Kruijt, A-W., & Fox, E. (2016). A cognitive model of psychological resilience. *Journal of Experimental Psychopathology*, 7(3), 296-310. DOI: <http://dx.doi.org/10.5127/jep.053415>

UNDER REVIEW

Parsons, S., Booth, C., Songco, A., & Fox, E. (2019). Emotional information-processing correlates of mental health in adolescence: A network analysis approach. *Manuscript under review for publication in Clinical Psychological Science*. Preprint: <https://psyarxiv.com/8ygnh>

PREPRINTS

FORRT*. (2019). Introducing a Framework for Open and Reproducible Research Training (FORRT). *Co-author. Preprint: <https://osf.io/bnh7p/>. Website: <https://forrt.netlify.com/>

Parsons, S. (2019). Does attention bias modification induce structural brain changes? A commentary on Abend et al. (2019). *Submitted to Biological Psychology*. Preprint: <https://psyarxiv.com/4ze6h/>

Parsons, S. (2019). Visualising two approaches to explore reliability-power relationships. *Submitted to Journal of Modern Applied Statistical Methods* Preprint: <https://psyarxiv.com/qh5mf>

Parsons, S. (2018). Moving forward with questions of process and procedure in cognitive bias modification research: three points of consideration. Preprint: <https://psyarxiv.com/k3vxc>

TEACHING EXPERIENCE

Advanced Methods in Reproducible Science Workshop 2020
Hack-a-thon workshop lead; slides: <https://osf.io/zy76n/> Windsor, UK

Core Practical Leader 2019
Personality, Individual Differences, and Personality Disorders Module University of Oxford, UK

Advanced Methods in Reproducible Science Workshop 2019
Hack-a-thon workshop lead Windsor, UK

Core Practical lab demonstrator 2016 - 2018
assisting with data collection, analysis, and marking of reports University of Oxford, UK

Workshop: Introduction to R 2016
Including; data wrangling, basic analyses, and data visualisation University of Oxford, UK

Oxbridge Academic Programs 2016
Social Psychology Teacher, 4 week summer school Oxford, UK

Tutor 2015
One term: resilience and research design University of Oxford, UK

STUDENT SUPERVISION

MSc research project 2019 - 2020
Two students University of Oxford, UK

BSc final year research project 2019 - 2020
Two students University of Oxford, UK

MSc research project	<i>2018 - 2019</i>
One student	University of Oxford, UK
BSc final year research project	<i>2018 - 2019</i>
Four students	University of Oxford, UK
BSc final year research project	<i>2014 - 2015</i>
Two students	University of Oxford, UK

SCHOLARSHIPS AND AWARDS

UK Reproducibility Network	<i>November 2018 – Present</i>
UKRN Grant to ReproducibiliTea	< £5,000, Co-Holder
Travel bursary	<i>2017</i>
MQ Mental Health science meeting	£146
Conference bursary	<i>2016</i>
BPS conference registration and travel	£165
Travel and Research fund	<i>2016</i>
Awarded by St Cross college to attend ECPP conference, France	£400
3 year DPhil Studentship	<i>2014-2017</i>
University of Oxford; Funded via ERC grant	aprox. £66,000

PRESENTATIONS

Parsons, S. (2020). Measurement Matters (Invited talk; slides: <https://osf.io/m5pdv/>). UCL ReproducibiliTEA, London.

Parsons, S. (2020). Reflections from Reproducibility2019 (Invited talk: slides: <https://osf.io/yb6nj/>). Advanced Methods in Reproducible Science Workshop, Windsor.

Parsons, S. (2019) Measurement Matters: Psychometric Horror Stories (slides: <https://osf.io/bpn3j/>) ECR Fireside Talk, Oxford.

Parsons, S., Heise, V., & Toelch, U. (2019). ECR discussion: What can WE do to promote culture change? (slides: <https://osf.io/5xnp7/>). Oxford-Berlin Open Science Summer School, Oxford.

Parsons, S. & Azevedo, F. on behalf of FORRT (2019). Introducing a Framework for Open and Reproducible Research Training - unconference session (repository: <https://osf.io/trbm5/>). Society for the Improvement of Psychological Science (SIPS) annual meeting, Rotterdam.

Neijenhuijs, K, & **Parsons, S.** Measurement error in psychology - unconference (repository: <https://osf.io/eghb5/>). Society for the Improvement of Psychological Science (SIPS) annual meeting, Rotterdam.

Parsons, S. & Azevedo, F. on behalf of FORRT (2019). Introducing a Framework for Open and Reproducible Research Training (slides: <https://osf.io/fypqn/>, audio: <http://tinyurl.com/UKORWG19-AV>). UK-ORWG meeting, Birmingham.

Parsons, S., Kruijt, A-W., & Fox, E. (2018). Measuring cognitive-affective processing: The critical need for estimation and reporting of reliability (<https://osf.io/zjyhq/>). BABCP, Glasgow.

Parsons, S., Songco, A., Booth, C., & Fox, E. (2018). Exploring connectivity amongst cognitive biases with a psychometric network approach (<https://osf.io/sjr24/>). BABCP, Glasgow.

Parsons, S., Herbert, M., Notebaert, L., Grafton, B., Fox, E., & MacLeod, C. (2017). Do individuals allocate more attention to fear cues with high versus low efficacy?. BABCP conference, Manchester.

- Parsons, S.**, Kruijt, A-W., & Fox, E. (2017). Attention bias favouring positive stimuli predicts future happiness and positive emotions. BPS annual conference, Brighton.
- Parsons, S.**, Kruijt, A-W., & Fox, E. (2017). A cognitive model of psychological resilience: current and future directions. BPS annual conference, Brighton.
- Parsons, S.**, Kruijt, A-W., & Fox, E. (2016). A cognitive model of psychological resilience: current and future directions. BPS West Midlands Branch annual conference, Birmingham.
- Parsons, S.**, Kruijt, A-W., & Fox, E. (2016). A cognitive model of psychological resilience: current and future directions. PsyPAG annual conference, York.
- Parsons, S.** (2012). The Third Hypothesis within Fredricksons Broaden-and-Build Theory of positive emotions. BPS Undergraduate conference, Glasgow.

POSTERS

- Parsons, S.**, Songco, Booth, & Fox. (2019). Cognitive and Emotional Vulnerability Factors in Adolescence: A Longitudinal Network Approach (<https://osf.io/qnyv8/>). Society for Affective Science annual conference, Boston.
- Parsons, S.**, Kruijt, A-W., & Fox, E. (2018). Cognitive-affective processes and their measurement: the need for estimating and reporting measurement reliability (<https://osf.io/z9n28/>). Society for Affective Science annual conference, Los Angeles.
- Parsons, S.**, Herbert, M., Notebaert, L., Grafton, B., Fox, E., & MacLeod, C. (2018). Alignment of Attention Bias to Threat: a proof-of-principle study (<https://osf.io/gnh5r/>). Society for Affective Science annual conference, Los Angeles.
- Parsons, S.**, Songco, Booth, & Fox. (2018). Cognitive correlates of mental health in adolescence: A network analysis approach (<https://osf.io/yr8n6/>). Society for Affective Science annual conference, Los Angeles.
- Parsons, S.**, Kruijt, A-W., & Fox, E. (2017). A cognitive model of psychological resilience: current and future research directions. BABCP annual conference, Manchester.
- Parsons, S.**, Kruijt, A-W., & Fox, E. (2017). A cognitive model of psychological resilience: current and future research directions. MQ Mental health science meeting, London.
- Parsons, S.**, Kruijt, A-W., & Fox, E. (2017). A cognitive model of psychological resilience. European Conference on Positive Psychology, Angers, France

SERVICE AND POSITIONS OF RESPONSIBILITY

Member of the Committee for Open Science Department of Experimental Psychology	2018 - Present University of Oxford
ReproducibiliTea Podcast Co-Host and audio producer	2018 - Present
ReproducibiliTea Journal Club Co-Organiser	2018 - Present University of Oxford
Selection Committee, Postdoctoral Research Associate Department of Experimental Psychology	2019 University of Oxford
Oxford Reproducibility Summer School Assistant Organiser	2018 University of Oxford

Centre for Open Science Ambassador
Promoting, supporting, and teaching open science practices

2017 - present

PUBLIC ENGAGEMENT

Blog: https://medium.com/@Sam_D_Parsons/

Here I blog about academic culture, ECR experiences, open science, and psychometrics

Living library event, Curiosity Carnival

Acted as a “living book” to discuss psychological research with the public

September, 2018

Oxford

“I’m a Researcher, get me out of here”, Curiosity Carnival

Chatroom discussions with secondary school students about research

September, 2018

Oxford

ADDITIONAL EDUCATION

ProjectTIER Faculty development workshop

2 day workshop

Implementation of the TIER protocol for teaching integrity.

March, 2019

Oxford, UK

Psychological Networks Amsterdam Winter School

5 day workshop

Lectures and implementation of Network models

January, 2019

Amsterdam, The Netherlands

Advanced Methods in Reproducible Research

5 day Workshop

R, version control with git, preregistration, open science

January, 2019

Windsor, UK

Improving your statistical inferences

Coursera online course

Interpreting frequentist and bayesian statistics, power, effect sizes, preregistration

2017

Preparing for Tutorials in Psychology

1 day workshop

Teaching in tutorials, course structures, developing new assignments

June, 2018

Oxford, UK

Get that Grant

1/2 day workshop

Grant Writing, funding structures, costing and FEC

June, 2016

Oxford, UK

Teaching skills

1 day workshop

Small class lecturing, tutorials

April, 2015

Oxford, UK

SKILLS AND SOFTWARE

Developer of the R package *splithalf*: permutation based estimates of split-half reliability

Documentation: https://sdparsons.github.io/splithalf_documentation/

Skills

Statistical programming

Open and Reproducible Science

Data visualisation

Psychological network analysis

Programming cognitive-behavioural tasks

Psychometrics of cognitive-behavioural tasks

Multiverse analyses

Software/Languages

R; RStudio; RMarkdown

version control in git; Open Science Framework

EEGLAB; MATLAB

L^AT_EX

E-Prime; Inquisit

REVIEWING

I have completed Ad Hoc reviews for: Advances in Methods and Practices in Psychological Science; Assessment; Cognition and Emotion; Behaviour Research and Therapy; Behavior Research Methods; International Journal of Psychophysiology

REFERENCES

Available upon request