

# SAM PARSONS

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## EDUCATION

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**University of Oxford** 2014 - 2019  
DPhil in Experimental Psychology  
Supervisors: Professor Elaine Fox and Dr Anne-Wil Kruijt

**Oxford Brookes University** 2013 - 2014  
MSc in Psychology  
Distinction

**University of Stirling** 2008 - 2012  
BSc in Psychology  
Upper Second Class

## ACADEMIC POSITIONS

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**UK Research and Innovation** October 2019 - February 2023  
ECR representative (10% FTE) Oxford, UK  
Mental Health Networks Impact and Engagement Coordination team

**University of Oxford, Experimental Psychology** October 2018 - September 2021  
Postdoctoral Research Associate (90% FTE) Oxford, UK  
Oxford Centre for Emotions and Affective Neuroscience (OCEAN)

**University of Oxford, Experimental Psychology** January 2018 - September 2018  
Postdoctoral Research Associate Oxford, UK  
Oxford Centre for Emotions and Affective Neuroscience (OCEAN)

## VISITING POSITIONS

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**University of Western Australia** April 2016 - May 2016  
Centre for the Advancement of Research on Emotion (CARE) Perth, Australia

## PUBLICATIONS

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Dodd, H., Rayson, H., Ryan, Z., Bishop, C., **Parsons, S.**, Stuijzand, B. (2020). Behavioural inhibition and attention bias interact to predict trajectories of anxiety when children start school. *Manuscript accepted for publication in Journal of Abnormal Psychology*

Booth, C., Songco, A., **Parsons, S.**, & Fox, E. (2020). Cognitive mechanisms predicting resilient functioning in adolescence: Evidence from the CogBIAS longitudinal study. *Accepted for publication in Development and Psychopathology*

**Parsons, S.** (2020). Does attention bias modification induce structural brain changes? A commentary on Abend et al. (2019). *Biological Psychology*, 152. DOI: 10.1016/j.biopsycho.2020.107866. Preprint: [psyarxiv.com/4ze6h](https://psyarxiv.com/4ze6h)

Herbert, M., Notebaert, L., **Parsons, S.**, Fox, E., & MacLeod, C. (2019). The Effect of Varying Danger Controllability on Attention to Threat Messages. *Applied Cognitive Psychology*, 34(2). 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*, 2(4), 378-395. DOI: doi.org/10.1177/2515245919879695. Preprint: [psyarxiv.com/6ka9z](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: doi.org/10.1027/2151-2604/a000387. Preprint: [psyarxiv.com/cfzyx](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

**Parsons, S.** (2018). Moving forward with questions of process and procedure in cognitive bias modification research: three points of consideration. *Published as an eLetter on DOI: 10.1192/bjp.2018.43*. Preprint: [psyarxiv.com/k3vxc](https://psyarxiv.com/k3vxc)

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: 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: [psyarxiv.com/9s3y6/](https://psyarxiv.com/9s3y6/)

Booth, C., Songco, A., **Parsons, S.**, Heathcote, L., Vincent, J., Keers, R., & Fox, E. (2017). The CogBIAS 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

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Songco, A., Booth, C., Spiegler, O., **Parsons, S.**, & Fox, E. (2020). Anxiety and depressive symptom trajectories in adolescence and the co-occurring development of cognitive biases: Evidence from the CogBIAS longitudinal study. *Manuscript under review for publication in Journal of Abnormal Child Psychology*

## PREPRINTS

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**Parsons, S.** (2020). Exploring reliability heterogeneity with multiverse analyses: Data processing decisions unpredictably influence measurement reliability *Submitted*. Preprint: [psyarxiv.com/y6tcz](https://psyarxiv.com/y6tcz), data and code: [osf.io/haz6u/](https://osf.io/haz6u/)

**Parsons, S.**, Booth, C., Songco, A., & Fox, E. (2020). Emotional information-processing correlates of mental health in adolescence: A network analysis approach. *Submitted*. Preprint: [psyarxiv.com/8ygnh](https://psyarxiv.com/8ygnh), data and code: [osf.io/mn5ek/](https://osf.io/mn5ek/)

**FORRT\***. (2019). Introducing a Framework for Open and Reproducible Research Training (FORRT).

\***Co-author**. Preprint: [osf.io/bnh7p/](https://osf.io/bnh7p/). Website: [forrt.netlify.com/](https://forrt.netlify.com/)

**Parsons, S.** (2019). Visualising two approaches to explore reliability-power relationships. Preprint: [psyarxiv.com/gh5mf](https://psyarxiv.com/gh5mf)

## TEACHING EXPERIENCE

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<b>Core Practical lab demonstrator</b>	2020
Applying for ethical approval; transparency in research reporting	University of Oxford, UK
<b>Core Practical Leader</b>	2019
Personality, Individual Differences, and Personality Disorders	University of Oxford, UK
<b>Core Practical lab demonstrator</b>	2017 - 2018
Personality, Individual Differences, and Personality Disorders	University of Oxford, UK
<b>Core Practical lab demonstrator</b>	2016 - 2017
Modules: MATLAB, Report writing, Personality	University of Oxford, UK
<b>Oxbridge Academic Programs</b>	2016
Social Psychology Teacher, 4 week summer school	Oxford, UK
<b>Core Practical lab demonstrator</b>	2016
Modules: Perception, Neuroanatomy, Social, Cognitive	University of Oxford, UK
<b>Tutor</b>	2015
One term: resilience and research design	University of Oxford, UK

## WORKSHOPS

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<b>A Framework for Open and Reproducible Research Training (FORRT): Curating pedagogical resources for teaching open and reproducible practices</b>	2020 virtual
Society for the Improvement of Psychological Science conference	
<b>What can open and reproducible research do for you?</b>	2020
New Horizons Doctoral College Conference; <a href="https://nhdcc20.wordpress.com">nhdcc20.wordpress.com</a> slides: <a href="https://osf.io/5eqvg/">osf.io/5eqvg/</a>	University of Surrey, virtual
<b>Revolutionizing (Open) Methods Pedagogy in Communication (co-lead)</b>	2020
International Communications Association Conference video playlist: <a href="https://youtu.be/ma6z797kxEk">https://youtu.be/ma6z797kxEk</a>	virtual
<b>How to Do Open Science: Hands-on Pre-registration Training (co-lead)</b>	2020
International Communications Association Conference video playlist: <a href="https://youtu.be/bN77JazZsxQ">https://youtu.be/bN77JazZsxQ</a>	virtual
<b>Advanced Methods in Reproducible Science</b>	2020
Hack-a-thon workshop lead; slides: <a href="https://osf.io/zy76n/">osf.io/zy76n/</a>	Windsor, UK
<b>Advanced Methods in Reproducible Science</b>	2019
Hack-a-thon workshop lead	Windsor, UK
<b>Introduction to R</b>	2016
Including; data wrangling, basic analyses, and data visualisation	University of Oxford, UK

## SUPERVISION

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<b>DPhil in Experimental Psychology</b> Supervision team for one student	2019 - 2020 University of Oxford, UK
<b>MSc research project</b> Two students	2019 - 2020 University of Oxford, UK
<b>BSc final year research project</b> Two students	2019 - 2020 University of Oxford, UK
<b>MSc research project</b> One student	2018 - 2019 University of Oxford, UK
<b>BSc final year research project</b> Four students	2018 - 2019 University of Oxford, UK
<b>BSc final year research project</b> Two students	2014 - 2015 University of Oxford, UK

## SCHOLARSHIPS AND AWARDS

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<b>Award for Excellence in recognition of exceptional contribution</b> Department of Experimental Psychology, University of Oxford.	April 2020 £1,000 salary raise
<b>SIPS Commendation award for ReproducibiliTea</b> Society for the Improvement of Psychological Science. <a href="http://improvingpsych.org">improvingpsych.org</a>	February 2020
<b>UKRN Grant to ReproducibiliTea</b> UK Reproducibility Network	December 2019 £3,261
<b>UKRN Grant to ReproducibiliTea</b> UK Reproducibility Network	January 2019 £2,500
<b>Travel bursary</b> MQ Mental Health science meeting	2017 £146
<b>Conference bursary</b> BPS conference registration and travel	2017 £165
<b>Travel and Research fund</b> Awarded by St Cross college to attend ECPP conference, France	2016 £400
<b>3 year DPhil Studentship</b> University of Oxford; Funded via ERC grant	2014-2017 aprox. £66,000
<b>Summer research bursary</b> University of Stirling	2011 £1,400

## INVITED PRESENTATIONS

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*Presentation slides can be found in this repository: [osf.io/rfy2h/](https://osf.io/rfy2h/)*

<b>ReproducibiliTea and ECRs role in reimaging research</b> Panel discussion at Kings Open Research Conference Event program and slides: <a href="https://osf.io/r2qsg/">osf.io/r2qsg/</a>	June, 2020 (virtual) London, UK
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<b>Measurement Heterogeneity</b> Reading Research Division Meeting Slides: <a href="https://osf.io/v8pwj/">osf.io/v8pwj/</a>	<i>May, 2020</i> (virtual) Reading, UK
<b>An Introduction to Open Science in Experimental Psychology Oxford</b> Getting Started with Open Science ECR Discussion Slides: <a href="https://osf.io/b5sdj/">osf.io/b5sdj/</a>	<i>March, 2020</i> Oxford, UK
<b>Measurement Matters</b> UCL ReproducibiliTEA Slides: <a href="https://osf.io/m5pdv/">osf.io/m5pdv/</a>	<i>January, 2020</i> London, UK
<b>Reflections from Reproducibility 2019</b> Advanced Methods in Reproducible Science slides: <a href="https://osf.io/yb6nj/">osf.io/yb6nj/</a>	<i>January, 2020</i> Windsor, UK
<b>Measurement Matters: Psychometric Horror Stories</b> ECR Fireside Talks Slides: <a href="https://osf.io/bpn3j/">osf.io/bpn3j/</a>	<i>October, 2019</i> Oxford, UK
<b>What can WE do to promote culture change? ECR discussion</b> Oxford-Berlin Open Science Summer School Slides: <a href="https://osf.io/5xnp7/">osf.io/5xnp7/</a>	<i>September, 2019</i> Oxford, UK
<b>Introducing a Framework for Open and Reproducible Research Training (FORRT)</b> UK Open Research Working Groups meeting Slides: <a href="https://osf.io/fypqn/">osf.io/fypqn/</a> ; Audio: <a href="https://tinyurl.com/UKORWG19-AV">tinyurl.com/UKORWG19-AV</a>	<i>March, 2019</i> Birmingham, UK
<b>An Introduction to Experimental Psychology</b> Oxford Prospects Programmes	<i>July, 2017</i> Oxford, UK
<b>The cognitive characteristics of resilience and optimal health</b> CARE lab meeting, University of Western Australia	<i>April, 2016</i> Perth, Australia
<b>Emotion recognition and Attention Bias associated with mental health, and an information processing model of resilience</b> Symposia: Developments in the measurement and modification of Cognitive Bias	<i>June, 2015</i> Oxford, UK

## CONFERENCE PRESENTATIONS

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*Presentation slides can be found in this repository: [osf.io/rfy2h/](https://osf.io/rfy2h/)*

<b>Introducing a Framework for Open and Reproducible Research Training (FORRT)</b> Society for the Improvement of Psychological Science (SIPS) Co-Presenter: Azevedo, F; Repository: <a href="https://osf.io/trbm5/">osf.io/trbm5/</a>	<i>June, 2019</i> Rotterdam, Netherlands
<b>Measurement error in psychology</b> Society for the Improvement of Psychological Science Co-Presenter: Neijenhuijs, K; Slides: <a href="https://osf.io/eghb5/">osf.io/eghb5/</a>	<i>June, 2019</i> Rotterdam, Netherlands
<b>Measuring cognitive-affective processing: The critical need for estimation and reporting of reliability</b>	<i>July, 2018</i> Glasgow, UK

British Association for Behavioural and Cognitive Psychotherapies  
Slides: [osf.io/zjyhq/](https://osf.io/zjyhq/)

**Exploring connectivity amongst cognitive biases with a psychometric network approach**

*July, 2018*  
Glasgow, UK

British Association for Behavioural and Cognitive Psychotherapies  
Slides: [osf.io/sjr24/](https://osf.io/sjr24/)

**Alignment of Attention Bias to Threat: a proof-of-principle study**

*March, 2018*  
Los Angeles, US

Society for Affective Science

**Do individuals allocate more attention to fear cues with high**

*June, 2017*  
Manchester, UK

British Association for Behavioural and Cognitive Psychotherapies

**Attention bias favouring positive stimuli predicts future happiness and positive emotions**

*May, 2017*  
Brighton, UK

British Psychological Society annual conference

**A cognitive model of psychological resilience: current and future directions**

*May, 2017*  
Brighton, UK

British Psychological Society annual conference

**A cognitive model of psychological resilience**

*September, 2016*  
Birmingham, UK

BPS West Midlands Branch annual conference

**A cognitive model of psychological resilience: current and future directions**

*July, 2016*  
York, UK

Psychology Postgraduate Affairs Group annual conference

**The ‘Third Hypothesis’ in Fredrickson’s Broaden-and-Build Theory of positive emotions**

*September, 2012*  
Glasgow, UK

British Psychological Society Undergraduate Conference

## POSTERS

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*PDFs of posters can be found in this repository: [osf.io/rfy2h/](https://osf.io/rfy2h/)*

**Cognitive and Emotional Vulnerability Factors in Adolescence:  
A Longitudinal Network Approach**

*May, 2019*  
Boston, US

Society for Affective Science annual conference

Poster: [osf.io/qnyv8/](https://osf.io/qnyv8/)

**Cognitive-affective processes and their measurement: the need for  
estimating and reporting measurement reliability**

*May, 2018*  
Los Angeles, US

Society for Affective Science annual conference

Poster: [osf.io/z9n28/](https://osf.io/z9n28/)

**Alignment of Attention Bias to Threat: a proof-of-principle study**

*May, 2018*  
Los Angeles, US

Society for Affective Science annual conference

Poster: [osf.io/gnh5r/](https://osf.io/gnh5r/)

**Cognitive correlates of mental health in adolescence:**

*May, 2018*  
Los Angeles, US

**A network analysis approach**

Society for Affective Science annual conference

Poster: [osf.io/yr8n6/](https://osf.io/yr8n6/)

**A cognitive model of psychological resilience: current and future directions** *July, 2017*  
British Association for Behavioural and Cognitive Psychotherapies Manchester, UK

**A cognitive model of psychological resilience: current and future directions** *February, 2017*  
MQ Mental health science meeting London, UK

**A cognitive model of psychological resilience: current and future directions** *June, 2016*  
European Conference on Positive Psychology Angers, France

## PROFESSIONAL ACTIVITIES

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### **FORRT: a Framework for Open and Reproducible Research Training**

Steering Committee; [forrt.netlify.com/](http://forrt.netlify.com/)

### **ReproducibiliTea Global**

Co-Director; [reproducibilitea.org/](http://reproducibilitea.org/)

### **ReproducibiliTea Podcast**

Co-creator, Co-Host, and audio producer; [soundcloud.com/reproducibilitea](https://soundcloud.com/reproducibilitea)

### **Centre for Open Science Ambassador**

Promoting, supporting, and teaching open science practices

## SERVICE AND POSITIONS OF RESPONSIBILITY

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### **Ongoing**

Fellow of Reproducible Research Oxford (RROx), University of Oxford, from 2019

Postdoc Representative, Oxford Experimental Psychology Open Science Committee, from 2018

Co-creator and co-convenor of ReproducibiliTea Journal Club, Oxford Experimental Psychology, University of Oxford, from 2018

### **Previous**

Selection Committee for the role of Postdoctoral Research Associate, Department of Experimental Psychology, University of Oxford, October 2019

Assistant organiser, Oxford Reproducibility Summer School, University of Oxford, 2018

Symposia organiser, Developments in the measurement and modification of Cognitive Bias - two day meeting, University of Oxford, July 2015.

## PUBLIC ENGAGEMENT

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**Personal Blog:** [medium.com/@Sam\\_D\\_Parsons/](https://medium.com/@Sam_D_Parsons/)

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

**Mental Health Research Matters blog. (link)**

*March, 2020*

#WorkingFromHome: Adjusting to my new life as a mental health Early Career Researcher

**Psychology Postgraduate Affairs Group (PsyPAG) blog. (link)**

*August, 2019*

What advice would you give to yourself at the beginning of your postgraduate studies?

**Oxplore**

*October, 2018*

Contributed to the Big Question: Are we getting unhappier. (website)

<b>Living library event, Curiosity Carnival</b> Acted as a “living book” to discuss psychological research with the public	<i>September, 2018</i> Oxford
<b>“I’m a Researcher, get me out of here”, Curiosity Carnival</b> Chatroom discussions with secondary school students about research	<i>September, 2018</i> Oxford
<b>the Psychologist blog; (link)</b> reflections on BPS postgraduate conference	<i>May, 2017</i>

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## ADDITIONAL EDUCATION

**HPC: A beginner’s tour of the command line (Linux)**, and **HPC: Introduction to the Advanced Research Computing (Linux)**. 2 half day workshops: Use of Oxford University’s High Performance Computer Cluster. Oxford, UK; January 2020.

**ProjectTIER Faculty development workshop**. Two day workshop: Implementation of the TIER protocol for teaching integrity. Oxford, UK; March 2019.

**Psychological Networks Amsterdam Winter School**. Five day workshop: Theory and implementation of Network models. Amsterdam, The Netherlands; January 2019.

**Advanced Methods in Reproducible Research**. Five day workshop: preregistration, open science, bayesian statistics, version control with git, error detection, and data simulation. Windsor, UK; January 2019.

**Software Carpentry**. Two day workshop: Unix shell, Git for version control, R for reproducible analyses and visualisation.

**Improving your statistical inferences**. Coursera online course: Interpreting frequentist and bayesian statistics, power, effect sizes, preregistration. 2017.

**Preparing for Tutorials in Psychology**. One day workshop: Teaching in tutorials, course structures, developing new assignments. Oxford, UK; June 2018

**Get that Grant**. Half day workshop: Grant Writing, funding structures, costing and FEC. Oxford, UK; June 2016

**Teaching skills**. One day workshop: Small class lecturing, tutorials. Oxford, UK; April 2015.

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## PROFESSIONAL AFFILIATIONS

Society for the Improvement of Psychological Science (SIPS)

Association for Psychological Science (APS)

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## STATISTICS, SOFTWARE, AND CODING

<b>Statistical procedures</b>	Cognitive measure psychometrics, multiverse analyses, network modelling
<b>Statistical software</b>	R, RStudio (advanced), SPSS (intermediate), JASP (intermediate),
<b>Other software</b>	Inquisit Millisecond (Intermediate), MATLAB and ERPLAB (beginner), E-Prime (Intermediate)



**Other skills** website development in R and wordpress; shell scripts; L<sup>A</sup>T<sub>E</sub>X(basic); REDcap, Qualtrics and Limesurvey for online surveys; audio and video editing

## SOFTWARE DEVELOPMENT

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**splithalf: permutation based estimates of split-half reliability**

Documentation: [sdparsons.github.io/splithalf\\_documentation/](https://sdparsons.github.io/splithalf_documentation/)

Video tutorial: [youtu.be/FhqyKxH4kyk](https://youtu.be/FhqyKxH4kyk)

## REVIEWING

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Publons profile: [publons.com/researcher/1351322/sam-parsons/](https://publons.com/researcher/1351322/sam-parsons/)

Ad Hoc reviews for: Advances in Methods and Practices in Psychological Science; Perspectives in Psychological Science; Assessment; Cognition and Emotion; Behaviour Research and Therapy; PeerJ; Behavior Research Methods; International Journal of Psychophysiology; Translational Psychiatry

## REFERENCES

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Available upon request