DR. AMY ORBEN

@OrbenAmy \diamond aco35@cam.ac.uk

Emmanuel College, University of Cambridge & Cambridge, CB2 3AP MRC Cognition and Brain Sciences Unit, University of Cambridge & Cambridge, CB2 7EF

EDUCATION

University of Oxford

September 2019

St. Hilda's College

ERC/EC Grant Funding

DPhil Experimental Psychology

Viva: No Corrections

Supervisor: Professor Robin Dunbar and Professor Dorothy Bishop

University of Cambridge

June 2015

Magdalene College

Double First Class College Scholarship

M.A. (Hons) Natural Sciences

Part II Experimental Psychology

Part Ib Neuroscience, Physiology, Experimental Psychology

Part Ia Physics, Mathematics, Biology of Cells, Physiology

ACADEMIC POSITIONS

Emmanuel College, University of Cambridge College Research Fellow	October 2019 - September 2023 $Cambridge,\ UK$
MRC Cognition and Brain Sciences Unit Research Fellow	October 2019 - September 2023 $Cambridge,\ UK$
The Queen's College, University of Oxford Stipendiary College Lecturer in Psychology	January 2017 - October 2019 $ \textit{Oxford, UK} $
The Queen's College, University of Oxford Non-Stipendiary College Lecturer in Psychology	October 2016 - January 2017 $Oxford,\ UK$

VISITING POSITIONS

Eindhoven University of Technology	March - April 2019
Danïel Laken's Research Group	$Eindhoven,\ Netherlands$

Knowledge Media Research Center, University of Tübingen

March - September 2017

Sonia Utz's Research Group

Tübingen, Germany

PUBLICATIONS

Orben, A., Weinstein, N., and Przybylski, A. K. (in press), Only holistic and iterative change will fix digital technology research. Psychological Inquiry.

Orben, A. (2020), The Sisyphean Cycle of Technology Panics. Perspectives on Psychological Science. $Open-Access\ Version$

Orben, A., Tomova, L., and Blakemore, S.-J. (2020), The effects of social deprivation on adolescent social development and mental health. The Lancet Child and Adolescent Health. *Open-Access Version*

Orben, A. and Lakens, D. (2020), Crud (Re)defined. Advances in Methods and Practices in Psychological Science. *Open-Access Version*

Kaye, L. K., **Orben, A.**, Ellis, D. A., Hunter, S. C., Houghton, S. (2020), The Conceptual and Methodological Mayhem of Screen-time. International Journal of Environmental Research and Public Health. *Open-Access Version*

Orben, A. and Przybylski, A. K. (2020), Reply to: Understanding digital media harm. Nature Human Behaviour.

Orben, A. and Przybylski, A. K. (2020), Teenage sleep and technology engagement across the week. PeerJ. *Open-Access Version*

Orben, A. (2020), Teenagers, Screens and Social Media: A Narrative Review of Reviews and Key Studies. Social Psychiatry and Psychiatric Epidemiology. *Open-Access Version*

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 Getting into Open Science: An Annotated Reading List. Zeitschrift für Psychologie. *Preprint*

Orben, A. (2019), A journal club to fix science. Nature. Open-Access Version

Przybylski, A. K., **Orben, A.**, Weinstein, N. (2019), How Much Is Too Much? Examining the Relationship Between Digital Screen Engagement and Psychosocial Functioning in a Confirmatory Cohort Study. Journal of the American Academy of Child and Adolescent Psychiatry.

Orben, A., Dienlin, T., Przybylski, A. K. (2019), Reply to Foster and Jackson: Open scientific practices are the way forward for social media effects research. Proceedings of the National Academy of Sciences of the United States of America.

Orben, A., Dienlin, T., Przybylski, A. K. (2019), Probing the Longitudinal Effects of Social Media Use on Adolescent Well-being. Proceedings of the National Academy of Sciences of the United States of America. *Open-Access Version, OSF Project*

Orben, A., and Przybylski, A. K. (2019), Teens and Screens: Evidence from two exploratory and one confirmatory experience sampling studies. Psychological Science. *Open-Access Version*, *OSF Project*

Mills, K. L., **Orben, A.**, Przybylski, A. K. (2019), The relationship between functional brain organization and self-reported screen media activity in late childhood. Cortex. *Stage 1 Registered Report*

Orben, A., and Przybylski, A. K. (2019), The association between adolescent well-being and digital technology use. Nature Human Behaviour. *Open-Access Version*, *Nature Editorial*, *Bloq*

Orben, A., Mutak, A., Dablander, F., Hecht, M., Krawiec, J., Valkovicova, N. & Kosite, D. (2018) Do Feelings of Connection after Facebook use Depend on Previous Usage Intensity? A Protocol. Frontiers in Psychology. *Open-Access Version*

Orben, A. (2018), Cyberpsychology: A Field Lacking Theoretical Foundations. PsyPAG The Quarterly 105. *Open-Access Version*

van Rooij, A. J., Ferguson, C. J., Colder Carras, M., Kardefelt-Winther, D., Shi, J., ... **Orben, A.**, ... & Przybylski, A. K. (2018), A weak scientific basis for gaming disorder: Let us err on the side of caution. Journal of Behavioural Addictions. *Preprint*

Orben, A. and Dunbar R. I. M. (2017), Social Media and Relationship Development: The Effect of Valence and Intimacy of Posts. Computers in Human Behavior 73C *Open-Access Version*

Orben, A., Lucas, R. K., Fuhrmann, D. and Kievit, R. A., Trajectories of adolescent life satisfaction. Preprint

Vuorre, M., Orben, A., Przybylski, A. K., There is no evidence that associations between adolescents digital technology engagement and mental health problems have increased.

Nweze, T., Orben, A., Van Harmelen, A.-L., Fuhrmann, D., Kievit, R. A., There is no evidence that associations between adolescents digital technology engagement and mental health problems have increased. Preprint

MAJOR GRANTS

Secondary Data Analysis Initiative Economic and Social Research Council	June 2020 - June 2022 £300,000 (Co-PI)
Emmanuel College Research Fellowship Emmanuel College, University of Cambridge	October 2019 - September 2022 £103,551 (PI)
Barnardo's Research Grant $Barnardo's UK$	January 2019 - January 2020 £59,993 (Co-PI)
SRCD Young Scholar Exchange and Research Collaboration Society for Research in Child Development	on Grant June 2018 - June 2020 \$15,000 (Co-PI)
DPhil Studentship ERC and EC Horizon 2020 Grant awarded to Robin Dunbar	October 2015 - October 2018 £39,000

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IINOR GRANTS	
SRCD Research Collaboration Grant Society for Research in Child Development	June 2020 - January 2021 \$6,000 (Co-PI)
ReproducibiliTea Annual Meeting Institute of Advanced Studies, University of Surrey and Others	December 2019 £4,700
UKRN Grant to ReproducibiliTea UK Reproducibility Network	October 2019 £3,261
St. Hildas Travel Grant St. Hildas College, University of Oxford	May 2019 £304
UKRN Grant to ReproducibiliTea UK Reproducibility Network	January 2019 £2,500
Postgraduate Study Visit Scheme British Psychological Society	August 2018 £800
Postgraduate Member Travel Grant European Association of Social Psychology	June 2018 £1,000
Jakobs Foundation Workshop Travel Funding SRCD-Jacob's Foundation	May 2018 £1,500
Volkswagen Foundation Conference Bursary	December 2017

Computational Communication Science Conference

£400

PsyPAG Study Visit Bursary Psychology Postgraduate Affairs Group	September 2017 £200
Santander Academic Travel Award 2017 Santander and the University of Oxford	June 2017 £363
Postgraduate Travel Bursary British Psychological Society, West Midlands Branch	March 2017 £100
St. Hildas Travel Grant St. Hildas College, University of Oxford	February 2017 £1,000
Postgraduate Bursary for Annual Conference British Psychological Society	February 2017 £145
UK Bursary Award PsyPAG Conference 2016 Psychology Postgraduate Affairs Group	November 2016 £100
Muriel Wise Fund St. Hildas College, University of Oxford	October 2016 £320
Browning Summer Research Scholarship Magdalene College, University of Cambridge	March 2014 £2,200
VARDS AND HONOURS	
SIPS Mission Award Society for the Improvement of Psychological Science	October 2020
SIPS Commendation to ReproducibiliTea Society for the Improvement of Psychological Science	March 2020
2019 BPS award for Outstanding Doctoral Research British Psychological Society	January 2020
Understanding Society Young Researcher Prize Understanding Society, University of Essex	July 2019
Nomination for the 'Best Tutor' prize Oxford Student Union's Annual Teaching Awards, University of Oxfo	May 2019
Techwomen50 Award We Are The City, London	January 2018
Prize for Best Talk, St. Hildas MCR Research Symposium St. Hildas College, University of Oxford	March 2017
Winner of the Oxford Social Innovation Case Competition Said Business School, University of Oxford	$April\ 2016$
Leading for Impact Fellow Said Business School, University of Oxford	November 2015 - August 2016
Magdalene College Scholarship Magdalene College, University of Cambridge	June~2015
Magdalene College Prize for Natural Sciences Magdalene College, University of Cambridge	June~2015

Bundy Scholarship
Magdalene College, University of Cambridge

Magdalene College Scholarship
Magdalene College, University of Cambridge

Magdalene College Prize for Natural Sciences
Magdalene College, University of Cambridge

INVITED LECTURES

 $LSE: Wellbeing \ Seminar \ Series$

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Social Media and Mental Health: What do we know Cambridge CRASSH AI Seminar	October 2020 Online
The Sisyphean Cycle of Technology Panics Stanford HCI Seminar	September 2020 $Online$
A Hitchhikers Guide to the Multiverse $Glasgow\ ReproducibiliTea$	September 2020 $Online$
Tech and Wellbeing in the Era of Covid-19 Stanford Cyber Policy Centre Online Seminar Series	$\begin{array}{c} \text{July 2020} \\ \text{Online} \end{array}$
Outpaced by Technology The British Academy, London	$\begin{array}{c} \text{June 2020} \\ \text{Online} \end{array}$
Social Media Use and Life Satisfaction Across the Lifecourse MPI for Human Development, Berlin	June 2020 Online
Questionable Research Practices King's Open Research Conference	June 2020 Online
The Psychology of Technology: Past, Present and Future Department of Education, University of Cambridge	$\begin{array}{c} \text{June 2020} \\ \text{Online} \end{array}$
Technology and well-being in adolescence: making sense of the evidence times $IHD/Dev\ Psych\ Colloquium,\ UC\ Berkeley$	ce in challenging May 2020 Online
Teens, screen and quarantines: what can the research tell us? Emerging Minds Network UK, University of Oxford	$\begin{array}{c} \text{April 2020} \\ \text{Online} \end{array}$
Using longitudinal data to explore young peoples social media use CLOSER Seminar Series, University College London	$\begin{array}{c} \text{April 2020} \\ \text{Online} \end{array}$
Goodbye Screentime! Its time for a reboot. Eastern Regions Workshop 2019 for Educational Psychologists Newmark	March 2020 cet, UK (cancelled)
Navigating the 'Garden of Forking Paths' to understand teenage tech us University of Edinburgh: SMRC Seminar Series Edinburg	se March 2020 gh, UK (cancelled)
The Psychology of Technology: Past, Present and Future University of Glasgow: Psychology Seminar Series Glasgo Glasgo	March 2020 ow, UK (cancelled)
Teens, Screens and Well-Being: Where is the evidence?	February 2020

London, UK

The association between digital technology use and wellbeing $ReproducibiliTea\ UCL$	December 2019 London, UK
Fear the Fork! MRC Cognition and Brain Science Unit Wednesday Lunchtime Seminar	November 2019 Cambridge, UK
1 million correlations: steps towards reproducible psychological sci Department of History and Philosophy of Science, Coffee with Scientist Series	
Reflections on Specification Curve Analysis $MAPS\ Showcase$	September 2019 $Bristol, UK$
Deja vu? Media psychology and the toxic cycle of tech panics Media Psych 2019 (Keynote)	September 2019 Chemnitz, Germany
Public Engagement Life Beyond the PhD 2019	August 2019 $Windsor,\ UK$
Open Science: Personal Experiences PsyPAG Open Science Webinar	$\begin{array}{c} {\rm August~2019} \\ {\it Webinar} \end{array}$
Conducting rigorous research on large open-access developmental $ABCD\ Workshop$	datasets August 2019 Portland, United States
Linking adolescent well-being and digital technology use Digital Health Conference (Keynote)	March 2019 Copenhagen, Denmark
Analytical Flexibility and Open Science Utrecht University PhD Day (Keynote)	March 2019 Utrecht, Netherlands
1 billion correlations UCL Affective Brain Lab Guest Speaker Series	February 2019 $London, UK$
Reflections on being an ECR in Open Science BBSRC Reproducibility School	January 2019 Windsor, UK
Mapping Analytical Flexibility as a Tool for Transparent Research Bristol TARG Research Group	December 2018 Bristol, UK
Social Media and Well-Being: Rethinking the Scientific Evidence Social Media Week	October 2018 London, UK
Specification Curve Analysis and the Limits of Pre-Registration Oxford-Berlin Summer School	September 2018 Berlin, Germany
Screens and Teens: What we (don't) know OFE Children and Young Peoples Mental Health: Providing Effective Support	July 2018 rt London, UK
ONFERENCE PRESENTATIONS	
Social Media's Enduring Effect on Adolescent Life Satisfaction Understanding Society Scientific Conference	July 2019 Essex, UK

Symposium: Do Smartphones Cause Teen Depression? Rigorous Methodologies Show Little Evidence of Harmful Linkages March 2019
International Convention of Psychological Science Paris, France

Context, or just Content? How Directedness and Privateness of Social Media Self-Disclosures Affect Liking

May 2018

68th Annual International Communications Association Conference

Prague, Czech Republic

(R)evolutionary? Investigating offline theories of relationship formation in a social media context

September 2017

10th Conference of the Media Psychology Division

University of Koblenz-Landau, Germany

Facebook or Face-to-Face: Whats the Difference? An investigation of offline theories of relationship formation in a social media context

July 2017

18th General Meeting of the European Association of Social Psychologists

Granada, Spain

The Facebook (R)evolution: Gossip, Passive Consumption and Social Media June 2017 CyberPsychology, CyberTherapy and Social Networking Conference Wolverhampton, UK

Facebook Stalking: A new norm demanding new theories

May 2017

BPS Annual Conference

Brighton, UK

From Facebook to Friendship?

July 2016

PsyPAG Annual Conference

York, UK

From Facebook to Friendship: Intensity of Facebook use predicts relationship development after reading social media self-disclosures ${
m May\ 2016}$

BPS West Midlands Conference

Coventry, UK

EVIDENCE FOR POLICY

Oral Evidence: Bavarian State Government Select Committee, November 2020, Online.

Provocation Paper: British Academy Childhood Policy Programme, February 2020. Online Version

Oral Presentation: United Nations AI for Good Summit, May 2019, Geneva, Switzerland.

Written Evidence: Chief Medical Officer Dame Sally Davis, January 2019, co-authored with Przybylski, A.

Written Evidence: Parliamentary Inquiry about Immersive and Addictive Technologies, Commons Digital, Culture, Media and Sport Select Committee, January 2019, co-authored with Przybylski, A., Etchells, P., and Weinstein, N. Open-Access Version

Oral Evidence: Parliamentary Inquiry about Social Media Use, Commons Science and Technology Select Committee, London, UK, May 2018. *Open-Access Version*, Video, Final Report

Written Evidence: Parliamentary Inquiry about Social Media Use, Commons Science and Technology Select Committee, January 2018, co-authored with Przybylski, A. and Weinstein, N. Open-Access Version

WORKSHOPS

Orben, A., Specification Curve Analysis Breakout Session, ABCD Workshop, Portland, United States, August 2019

Orben, A., Anvari, F., Isager, P., Singleton Thorn, F., *Hackathon: Helping Researchers Identify Their Smallest Effect of Interest*, Society for the Improvement of Psychological Science, Rotterdam, Netherlands, July 2019

Orben, A., Error Detection Techniques, Utrecht University PhD Day, Utrecht, Netherlands, April 2019

Orben, A., Thompson, J. Statistics Refresher, Oxford-Berlin Summer School, Berlin, Germany, September 2018. Slides: osf.io/skvqh/

TEACHING ACCREDITATION

SEDA Supporting Learning Accreditation (2018)

LECTURING

October 2020 - March 2021: Robust Behavioural Science (University of Cambridge, Department of Psychology + Department of Psychiatry + MRC Cognition and Brain Sciences Unit Graduate Course, 8 x 2 hour lectures)

January - March 2020: Psychology as a Reproducible Science (University of Cambridge, Department of Psychology, Graduate Course, 8 x 2 hour lectures)

February 2020: Guest Lecture (UCL MSc Neuroscience of Emotion and Decision Making, 1 lecture)

SUPERVISION

PhD in Psychology, Co-Supervisor (2020-2022, S Ghai)

PhD in Psychology, Co-Supervisor (2019-2020, B Farrar)

Masters Student Dissertation in Psychology (2018, M Jordan)

Research Internship (2018, A Mutak)

Honours Student Dissertation in Psychology (2018, H Koh)

Honours Student Dissertation in Human Sciences (2017, T Gaisford)

Junior Research Project Team (2017-2018, M Hecht, F Dablander, A Mutak, J Krawiec, N Valkovicova, D Kosite)

TUTORIAL TEACHING

Nomination in the "Best Tutor" category at the Oxford Student Union's Annual Teaching Awards 2019

Introduction to Psychology (11 weeks, Social, Developmental, Perceptual and Cognitive Psychology), 1st year Experimental Psychology and Psychology, Philosophy and Linguistics

Introduction to Psychology (4 weeks, Perceptual and Cognitive Psychology), 1st year Biomedical Sciences

Psychology of Medicine (2 weeks), 2nd year Medical Sciences

Social Psychology (8 weeks), 2nd year Experimental Psychology and Psychology, Philosophy and Linguistics

DEPARTMENTAL AND COLLEGE ADMINISTRATION

Co-Director of ReproducibiliTea Global, May 2018 onwards

Moral Tutor in Psychology, The Queen's College, Oxford (sabbatical cover: responsible for academic and pastoral support of 12 Queen's College Psychology students), January - April 2019

Graduate Representative, Oxford Experimental Psychology Open Science Committee, 2018 - 2019

Co-creator and co-convenor of ReproducibiliTea Journal Club, University of Oxford, 2018 - 2019

Stipendiary College Lecturer, The Queen's College, Oxford, January 2017 - October 2019

Organising and conducting undergraduate interviews, The Queen's College, Oxford, 2016 - 2018

PROFESSIONAL ACTIVITIES

Co-creator and co-lead of UK Reproducibility Network supported ReproducibiliTea Journal Club Initiative. OSF: osf.io/3qrj6/

Co-creator and host of ReproducibiliTea Podcast. Link: Recordings

RADIO AND TELEVISION (SELECTION)

National Television: BBC2 Newsnight, BBC News, BBC2 Victoria Derbyshire, Sky News

National Radio: BBC Radio 4 Today Programme, BBC Radio 4 Woman's Hour, BBC Radio 4 More or Less, BBC Radio 4 Analysis, BBC Radio 5, BBC Radio 2 Jeremy Vine, BBC local radio stations, talkRadio

International Television: AlJazeera English: Inside Story, BBC World TV

International Radio: Radio New Zealand, BBC World Service: The Real Story, BBC World Service: Tech Tent, KQED, NPR, WGBH Boston, WCAI Cape Cod

NEWSPAPERS AND WEBSITES (SELECTION)

National: The Times (front page), Financial Times (front page), The Guardian and Observer, BBC News, The Independent, Evening Standard, Daily Mail

International: Süddeutsche Zeitung (front page), Scientific American, New Scientist, The Wall Street Journal, Wired, Forbes, TechCrunch, Buzzfeed, The Conversation, ABC News, Business Insider, Sueddeutsche Zeitung, Newsweek, The Verge, Mashable, Unherd

WRITING FOR GENERAL INTEREST

Don't despair if your child is glued to a screen, it may be keeping them sane. The Observer, 26th April 2020

The government should actually understand the internet if its going to protect kids from online harms. The Independent, 15th February 2020

Farewell the porn block a PR exercise and lousy policy. The Observer, 20th October 2019

Were told that too much screen time hurts our kids. Wheres the evidence?. The Observer, 7th July 2019

Beyond Cherry Picking. Nature: Behavioural and Social Sciences, 9th August 2018

Three problems with the debate around screen time. The Guardian, 9th August 2018

Why Hunt's screen time limits for kids are scientific nonsense. The Guardian, 23rd April 2018

The trouble knowing how much screen time is too much BBC News, 23rd February 2018

Gaming addiction as a mental disorder: its premature to pathologise players. The Conversation, 13th February 2018

The Need for Nuance in the Tech Use Debate. Behavioural Scientist, 1st January 2018

Social Media and Suicide: A Critical Appraisal. Medium, 14th November 2017

iGen: Is it science or is it advertisement? The Psychologist, November 2017

Chasing social media shares harms public trust in science - so stop it. The Guardian, 28th June 2017

Social media is nothing like drugs, despite all the horror stories. The Conversation, 18th June 2017

Two Peas in an (Evolutionary) Pod? Facebook and Face- to-Face. Medium, 20th April 2017

TALKS FOR GENERAL OR POLICY INTEREST

Why Social Media Doesn't Fry Your Brain, Science Night MRC CBU, Cambridge, UK, March 2020.

Science Communication for Academics, Science Media Centre, London, UK, October 2019.

Hashtag: My Perfect World, Norwich Science Festival, Norwich, UK, October 2019.

Screen Time and Teen Outcomes: Things Missed, Ofcom Making Sense of Media, London, UK, July 2019.

Authenticity, self and social media in modern politics: how to discuss facts in a politics dominated by personality? Discussion between Dominic Grieve MP and Amy Orben, Ditchley Foundation Festival of Ideas, Chipping Norton, UK, July 2019.

Teens, Screens and Sketchy Data, Oxford Geek Night, Oxford, UK, May 2019.

Teens and Screens: What does the research tell us?, The Adam Smith Institute, London, UK, May 2019.

Mental Health and Contemporary Society - Exploring Prevention and Public Goods (presiding chair), Ditchley Foundation, London, UK, November 2018.

Social Media and Well-Being: a Scientists Perspective, Barnardos Executive Away Day, London, UK, May 2018.

Discussion Round: Social Media, Evolution and Wellbeing, Zinc VC, London, UK, November 2017.

I Facebook, Therefore I Am, OxFEST Exciting Women in Science Speaker Series, University of Oxford, Oxford, UK, March 2017.

Psychology at University, IB Psychology Invited Speaker, Frankfurt International School, Oberursel, Germany, March 2017.

Post-Friendship in the Time of Post-Truth?, St. Hildas MCR Research Symposium, Oxford, UK, March 2017.

If Facebook be the food of friendship, play on. Bryant Society Lecture, St. Johns College, Oxford, UK, February 2017.

If Facebook be the food of friendship, play on. Psychologist in the Pub Talk, British Psychological Society West Midlands Branch, Oxford, UK, February 2017.

How does Social Media affect your Friendships?, Oxford University Psychology Society Lecture, University of Oxford, Oxford, UK, October 2016.

The Evolutionary Limitations to Social Innovation. Leading for Impact Retreat Lecture, Somerset, UK, May 2016.

The Psychology of Facebook. Oxford Splash, Oxford, UK, February 2016.

RESEARCH INTERESTS

Digital Tech Effects of technology and social media use on adolescents

Well-Being Determinants and risk factors of adolescent mental health and well-being

Open Science Large-scale datasets, effect sizes, transparency and open science

STATISTICS AND CODING

Statistical Software R, RStudio (advanced), SPSS (intermediate), MPlus (beginner)

Statistical Procedures SCA (advanced), Longitudinal and Networks Modelling (intermediate)

Tools Shell scripts, High-performance cluster use

PROFESSIONAL AFFILIATIONS

European Association of Social Psychology (EASP)

Association for Psychological Science (APA)

British Psychological Society (BPS)

Society for the Improvement of Psychological Science (SIPS)