
CURRENT ACADEMIC POSITION

2016 Postdoctoral Researcher
Developmental Social Neuroscience Lab
University of Oregon

EDUCATION

2011 – 2015 PhD, Neuroscience
University College London

2008 – 2011 Bachelors of Arts, Psychology
Portland State University
Summa cum laude

SELECTED AWARDS AND HONORS

2015 British Neuroscience Association Postgraduate Prize

2014 New Perspectives and Future Directions in Social Neuroscience Workshop Attendee

2012 Sully Scholarship for Division of Psychology and Language Sciences

2012 Abstract selected by Society for Neuroscience for press conference

2012 Best poster CSHL Workshop on Biology of Social Cognition

2011 Abstract selected by Society for Neuroscience as “Hot Topic”

FUNDING GAINED

2011 – 2015 UCL Studentship for PhD Programme, £48,790

2015 Guarantors of Brain grant for conference travel, £800

2014 Travel award for HBM Satellite workshop, €300

2014 Wellcome Trust Small Arts Award (collaborator), £29,460

2014 UCL Graduate School student conference travel award, £250

2014 Guarantors of Brain grant for conference travel, £750

2012 Guarantors of Brain grant for conference travel, £243

2012 Full Scholarship Workshop on Biology of Social Cognition, \$2,460

2009 – 2010 McNair Scholars Program Participant, \$2,800

2008 – 2011 Oregon Laurels Scholarship, *Full tuition remission 3 years*

2008 – 2009 Underrepresented Researchers Mentoring Program, \$3,000

PRIOR RESEARCH EXPERIENCE

2015 – 2016 Postdoctoral Fellow, Fair Neuroimaging Lab, Oregon Health & Science University;
Supervisor: Dr. Damien Fair

2012 – 2015 Graduate Student, Institute of Cognitive Neuroscience, University College London;
Supervisor: Prof. Sarah-Jayne Blakemore

2011 – 2012 Graduate Student, Child Psychiatry Branch, National Institute of Mental Health;
Supervisor: Dr. Jay Giedd

2009 – 2011 Research Assistant, Fair Neuroimaging Lab, Oregon Health & Science University;
Supervisor: Dr. Damien Fair

2010 – 2011 Research Assistant, Culture and Contemplation in Education Lab, Portland State
University; Supervisor: Dr. Robert Roeser

2008 – 2009 Research Assistant, Research and Training Center on Family Supports and Children's Mental Health, Work-Life Integration Project, Portland State University; Supervisors: Dr. Anna Malsch, Dr. Julie Rosenzweig and Dr. Eileen Brennan

PUBLICATIONS IN PEER REVIEW JOURNALS (h-index: 12)

Pringle J, **Mills KL**, McAteer J, Jepson R, Hogg E, Anand N, & Blakemore S-J (*submitted*). The tired teenager: physiological development and sleep during adolescence. Results of a systematic review into health-related behaviour.

Mills KL, Goddings AL, Herting MM, Meuwese R, Blakemore S-J, Crone EA, Dahl RE, Güroğlu B, Raznahan A, Sowell ER, & Tamnes CK (2016). Structural brain development between childhood and adulthood: Convergence across four longitudinal samples. *NeuroImage*, *141*, 273-281.

Mills KL (2016). Possible effects of Internet use on cognitive development in adolescence. *Media and Communication*, *6*(3).

Bell V, **Mills KL**, Modinos G, & Wilkinson S (*provisionally accepted*). Social agent representation: Evidence from psychosis and normal social cognition. *Clinical Psychological Science*.

Pringle J, **Mills KL**, McAteer J, Jepson R, Hogg E, Anand N, & Blakemore S-J (2016). A systematic review of adolescent physiological development and its relationship with health-related behavior: protocol. *Systematic Reviews*, *5*(1), 1.

Mills KL, Dumontheil I, Speekenbrink M, & Blakemore S-J (2015). Multitasking during social interactions in adolescence and early adulthood. *Royal Society Open Science*, *2*(11), 150117.

Mills KL (2014). Effects of Internet use on the adolescent brain: despite popular claims, experimental evidence remains scarce. *Trends in Cognitive Sciences*, *18*(8), 385-387.

Mills KL, & Tamnes CK (2014). Methods and considerations for longitudinal structural brain imaging analysis across development. *Developmental Cognitive Neuroscience*, *9*, 172-190.

Mills KL, Goddings AL, & Blakemore S-J (2014). Drama in the teenage brain. *Frontiers for Young Minds*, *2*(16).

Mills KL*, Goddings AL*, Clasen LS, Giedd JN, & Blakemore S-J (2014). The developmental mismatch in structural brain maturation during adolescence. *Developmental Neuroscience*, *36*(3-4), 147-60.

Goddings AL, **Mills KL**, Clasen LS, Giedd JN, Viner R, & Blakemore S-J (2014). The influence of puberty on subcortical brain development. *Neuroimage*, *88*, 242-51.

Blakemore S-J, & **Mills KL** (2014). Is adolescence a sensitive period for socio-cultural processing? *Annual Review of Psychology*, *65*, 186-207.

Mills KL, Lalonde F, Clasen LS, Giedd JN, & Blakemore S-J (2014). Developmental changes in the structure of the social brain in late childhood and adolescence. *Social Cognitive and Affective Neuroscience*, *9*(1), 123-131.

Dias TG, Wilson VB, Bathula D, Iyer SP, **Mills KL**, Thurlow BL, Stevens CA, Musser ED, Mitchell SH, Nigg JT, & Fair DA (2013). Reward circuit connectivity relates to delay discounting in children with attention-deficit/hyperactivity disorder. *European European Neuropsychopharmacology*, *23*(1), 33-45.

Giedd JN, Raznahan A, **Mills KL**, & Lenroot RK (2012). Magnetic resonance imaging of male/female differences in human adolescent brain anatomy. *Biology of Sex Differences*, *3*(1), 19.

Mills KL, Bathula D, Costa Dias TG, Iyer SP, Fenesy MC, Musser ED, Stevens CA, Thurlow BL, Carpenter SD, Nagel BJ, Nigg JT, & Fair DA (2012). Altered cortico-striatal-thalamic connectivity in relation to spatial working memory capacity in children with ADHD. *Frontiers in Psychiatry*, 3(2).

Fair DA, Iyer S, Bathula D, Nigg JT, **Mills KL**, Dosenbach NUF, Schlaggar BL, Mennes M, Gutman D, Bangaru S, Buitelaar J, Dickstein DP, Di Martino A, Kennedy D, Kelly C, Luna B, Schweitzer JB, Velanova K, Wang Y-F, Mostofsky S, Castellanos FX, & Milham MP (2012). Distinct Neural Signatures Detected for ADHD Subtypes After Controlling for Micro-Movements in Resting State Functional Connectivity MRI Data. *Frontiers in Systems Neuroscience*, 6(80).

Shannon BJ, Raichle ME, Snyder AZ, Fair DA, **Mills KL**, Zhang D, Bache K, Calhoun V, Nigg JT, Nagel BJ, Stevens AA, & Kiehl KA (2011). Premotor functional connectivity predicts impulsivity in juvenile offenders. *PNAS*, 108(27), 11241-11245.

Fair DA, Bathula D, **Mills KL**, Dias, TG, Blythe MS, Zhang D, Snyder AZ, Raichle ME, Stevens AA, Nigg JT, & Nagel BJ (2010). Maturing thalamocortical functional connectivity across development. *Frontiers in Systems Neuroscience*, 4(10).

Fair DA, Posner J, Nagel BJ, Bathula D, Dias TG, **Mills KL**, Blythe MS, Giwa A, Schmitt CF, & Nigg JT (2010). Atypical default network connectivity in youth with ADHD. *Biological Psychiatry*, 68(12), 1084-1091.

PUBLICATIONS IN PREP

Meuwese R, **Mills KL**, Van Duijvenvoorde ACK, Blakemore S-J, Crone EA, & Güroglu B (*in prep*). A longitudinal structural brain imaging study on adolescent development of social brain regions: Testing the relation with changes in friendship quality.

Anandakumar J*, **Mills KL***, Earl E, Miranda-Dominguez O, Demeter DV, Walton-Weston A, Buckley S, Nigg J, & Fair DA (*in prep*). Age and neural maturation predict changes in temporal discounting in the transition to adolescence.

Mills B, Cordova M, Painter J, **Mills KL**, Karalunas SL, Nigg JT, & Fair DA (*in prep*). ADHD and attentional control: Impaired segregation of task positive and task negative brain networks.

Tamnes CK, Herting MM, Goddings AL, Meuwese R, Bartsch H, Blakemore S-J, Dahl RE, Güroglu B, Raznahan A, Sowell ER, Crone EA, & **Mills KL** (*in prep*). Development of the cerebral cortex across adolescence: A multisample study of interrelated longitudinal changes in cortical volume, surface area and thickness.

Mills KL, Pringle J, McAteer J, Jepson R, Hogg E, Anand N, & Blakemore S-J (*in prep*). How brain development influences health-related behaviour in adolescence: A systematic review.

Mills KL, Flournoy JC, Peake SJ, Flannery JE, Mobasser A, Alberti SL, Fisher PA, & Pfeifer JH (*in prep*). Social brain connectivity modulates peer effects on strategic decision making.

BOOK CHAPTERS AND OTHER PUBLICATIONS

Blakemore S-J & **Mills KL** (2014). *The social brain in adolescence*. Cognitive Neurosciences V, Gazzaniga & Mangun eds.

Mills KL (2011). Experiential self-referential processing & autobiographical memory retrieval: A preliminary look. *PSU McNair Online Journal*, 5.

Rosenzweig JM, Malsch AM, Brennan EM, & **Mills K** (2010). *Children and youth with disabilities: Their parents are your employees, training manual and workbook*. Portland, OR: Portland State University, Research and Training Center on Family Support and Children's Mental Health.

ACADEMIC CONFERENCE ORAL PRESENTATIONS

Mills KL. (June 2015). Adolescence as a sensitive period of social brain development. Organization for Human Brain Mapping Symposium: Multilevel Social Cognition. Honolulu, HI.

Mills KL, Dumontheil I, & Blakemore S-J (March, 2014). Contributions to successful social navigation in adolescence and adulthood. Society for Research on Adolescence Paper Discussion Symposium: Minding Others' Minds: Neural Perspectives On The Adolescent Social Brain. Austin, TX.

Mills KL, Lalonde F, Clasen LS, Giedd JN, & Blakemore S-J (October, 2012). Structural changes in the social brain across adolescence. Cognitive Development: Structural and Functional Changes Nanosymposium at 42nd Annual Meeting of the Society for Neuroscience. New Orleans, LA.

Mills KL (May, 2010). Effects of mindfulness training on self-referential processing and executive functioning in young adults. The 7th Annual Undergraduate and Ronald E. McNair Research Conference. Portland, OR.

SELECTED ACADEMIC CONFERENCE POSTER PRESENTATIONS

Mills KL, Earl E, Miranda-Dominguez O, Demeter DV, Walton-Weston A, Buckley S, Nigg J & Fair DA (June, 2016). Cortical development of children with ADHD: Effects of motion on developmental trajectories? Organization for Human Brain Mapping. Geneva, Switzerland.

Mills KL, Goddings AL, Giedd JN, & Blakemore S-J (September, 2013). What are we measuring in developmental structural MRI? The inaugural Flux Congress: The International Congress for Integrative Developmental Cognitive Neuroscience. Pittsburgh, PA.

Mills KL, Goddings AL, Clasen LS, Blakemore S-J, & Giedd JN (April, 2013). The developmental mismatch in structural brain maturation during adolescence. The 20th Annual Meeting of the Cognitive Neuroscience Society. San Francisco, CA.

Mills KL, Dumontheil I, & Blakemore S-J (April, 2013). Interactions between cognitive load, working memory, and online usage of theory of mind in adolescents and adults. The 6th Annual Meeting of the Social & Affective Neuroscience Society. San Francisco, CA.

Mills KL, Bathula D, Dias TG, Fenesy MC, Musser ED, Stevens CA, Thurlow BL, Carpenter SD, Buitelaar J, Castellanos FX, Dickstein DP, Kennedy D, Luna B, Milham MP, Mostofsky S, Schweitzer JB, Velanova K, Wang Y-F, Zang Y-F, Nagel BJ, Nigg JT, & Fair DA (November, 2011). Altered cortico-striatal-thalamic connectivity in relation to spatial working memory capacity in children with ADHD. The 41st Annual Meeting of the Society for Neuroscience. Washington, DC.

Mills KL, Dias TG, Blythe MS, Bathula D, Posner J, Nagel BJ, Nigg JT, & Fair DA (November, 2010). Atypical thalamocortical connectivity in ADHD youth. The 40th Annual Meeting of the Society for Neuroscience. San Diego, CA.

Mills KL, Blythe MS, Bathula D, Dias TG, Zhang D, Snyder AZ, Raichle ME, Stevens AA, Nigg JT, Fair DA, & Nagel BJ (March, 2010). Maturing thalamocortical functional connectivity across development. Society for Neuroscience Oregon Chapter Meeting. McMinnville, OR.

INVITED TALKS AND SEMINARS

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| 2016 | International Consortium on Prosocial Behavior
Dana Point, CA |
| 2016 | Modeling Developmental Change Meeting
University of Oregon, Eugene, OR |
| 2015 | Dept. of Behavioral Neuroscience
Oregon Health & Science University, Portland, OR |
| 2014 | 2014 South by Southwest (SXSW) Interactive Festival |

	Austin, TX
2014	Psychological Society of Birkbeck Birkbeck College, University of London, London, UK
2013	89Plus Marathon Serpentine Gallery, London, UK
2013	Brain and Development Lab Institute of Psychology, Leiden University, Leiden, Netherlands
2013	Affective Neuroscience & Development Lab Department of Psychology, Harvard University, Cambridge, MA
2013	Developmental Social Neuroscience Lab Department of Psychology, University of Oregon, Eugene, OR
2013	Fair Neuroimaging Lab Dept of Behavioral Neuroscience, Oregon Health & Science University, Portland, OR
2013	The Development of the Healthy Adolescent Brain Workshop Institute of Cognitive Neuroscience, UCL, London, UK
2012	Imaging and Biophysics Unit Seminar Institute of Child Health, UCL, London, UK
2011	Child Psychiatry Branch Meeting NIMH, Bethesda, MA

EMPLOYMENT

2016 –	<i>Postdoctoral Researcher</i> , University of Oregon
2015 – 2016	<i>Postdoctoral Fellow</i> , Fair Neuroimaging Lab, Oregon Health & Science University
2015 – 2016	<i>Research Fellow</i> , Scottish Collaboration for Public Health Research and Policy
2011 – 2015	<i>Pre-Doctoral IRTA</i> , Child Psychiatry Branch, NIMH
2010 – 2011	<i>Research Assistant</i> , Fair Neuroimaging Lab, Oregon Health & Science University
2008 – 2010	<i>Resident Advocate</i> (for homeless youth), Janus Youth Programs

MENTORSHIP

2015 – 2016	Jeya Anandakumar, <i>mentorship for volunteer high school student, OHSU</i>
2015 – 2016	Miya Walker, <i>mentorship for EXITO Program participant, OHSU</i>
2015 – 2016	Rachel Ma, <i>mentorship for high school project, River Hill High School</i>
2014 – 2016	Rosa Meuwese, <i>peer mentorship for visiting graduate student, Leiden University</i>

PUBLIC ENGAGEMENT

2015	Contributor for <i>Learning & The Brain</i> Blog
2015	Brain in a Box Outreach Program
2015	Oregon Museum of Science and Industry Brain Fair
2014	Advisor for <i>The People's Science</i>
2014	Anxiety Arts Festival Panelist
2014	Jefferson County Community College Brain Awareness Week Speaker
2014	University of Louisville Brain Awareness Week Featured Speaker
2014	Consultant for RSA's <i>Rethinking Adolescence</i> project
2014	UCL Public Activities Committee
2013	Advisor for <i>The Brain Education Project</i>

2013	Consultant for Cardboard Citizens production <i>A Molecular Mass</i>
2013 – 2015	Consultant for Islington Community Theatre production <i>Brainstorm</i>
2013	Wellcome Collection Neuroscience Study Day
2012	Sligo Creek Elementary Guest Scientist Series Lecture
2010	Oregon Museum of Science and Industry Brain Fair

EDITORIAL DUTIES

2016 – 2017	Guest Editor for <i>Developmental Cognitive Neuroscience</i> special issue: Methodological Challenges in Developmental Neuroimaging: Contemporary Approaches and Solutions
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AD HOC REVIEWER

Developmental Cognitive Neuroscience	Social Cognitive and Affective Neuroscience	Child Development
Neuroscience & Biobehavioral Reviews	PLOS One	Child Development Perspectives
Journal of Neuroscience	Computers and Education	Developmental Science
Cerebral Cortex	Sustainability	Journal of Child Psychology and Psychiatry
NeuroImage	Psychological Science	Translational Psychiatry
Human Brain Mapping	The BMJ	Journal of Adolescence
Neuropsychologia	Psychological Medicine	Journal of Adolescent Health
Frontiers in Human Neuroscience	Psychonomic Bulletin & Review	PeerJ
Brain Research	Psychology and Aging	European Research Council
	Behavioral Decision Making	Wellcome Trust
	Cognitive Science	

PROFESSIONAL MEMBERSHIPS

2016	Society for Research in Child Development
2015	British Neuroscience Association
2014	Society for Research on Adolescence
2010, 2012	Cognitive Neuroscience Society
2010 – 2012	Society for Neuroscience
2010	Society for Social Neuroscience
2009, 2012	Social and Affective Neuroscience Society
2009	Evolution Society

MEDIA AND SELECTED PRESS

2016	The New Understanding of IQ <i>Learning & The Brain Blog</i> http://www.learningandthebrain.com/blog/new-understanding-of-iq/
2015	Developing the Social Brain: Insights from the Science of Adolescence <i>Learning & The Brain Blog</i> http://www.learningandthebrain.com/blog/social-brain/
2015	3 Things Neuroscience Teaches Us About the Changing “Teenage Brain” <i>Learning & The Brain Blog</i> http://www.learningandthebrain.com/blog/teenagebrain/
2014	Science is not just for schools <i>British Science Association Blog</i>
2014	The enigma of the teen brain <i>Times Education Supplement</i> http://www.tes.co.uk/article.aspx?storycode=6430098
2014	Don't believe everything you read about the Internet and brain development <i>Boing Boing</i> http://boingboing.net/2014/05/22/dont-believe-everything-you.html
2014	Ideas Bank article on promoting non-traditional scientists

- Wired UK* <http://www.wired.co.uk/magazine/archive/2014/05/ideas-bank/kathryn-mills>
- 2014 Response to Edge Annual Question: What scientific idea is ready for retirement?
Edge.org <http://www.edge.org/response-detail/25504>
- 2013 What do we know about the effects of Internet use and networked culture on the adolescent brain?
Serpentine Gallery <http://vimeo.com/78835699>
- 2013 Social Brain Continues to Develop during Adolescence
Neuroscience Quarterly
- 2013 Opening a window on adolescence: Review of the production *Brainstorm*.
The Psychologist
- 2012 Teenage Brains Are Malleable And Vulnerable, Researchers Say
NPR
- 2012 Study tracks size of social brain areas across adolescence
Simons Foundation Autism Research Initiative
-

ADDITIONAL TRAINING AND WORKSHOPS

- 2016 Modeling Developmental Change, University of Oregon
- 2014 Perspectives and Future Directions in Social Neuroscience Workshop, Marbach, Germany
- 2013 3rd IMPRS NeuroCom Summer School, Max Planck Institute, Leipzig, Germany
- 2012 Workshop on Biology of Social Cognition, Cold Spring Harbor Laboratories
- 2011 AFNI Bootcamp, Center for Information Technology, NIMH
- 2011 MRI Operator Training (Siemens 3T Trio), Advanced Imaging Research Center, OHSU
- 2010 WISC IV, WIAT III, D-KEFS Administration, Fair Neuroimaging Lab
- 2009 Early Intervention in Psychosis and Youth Mental Health, Portland State University
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SHARED DATA, ANALYSIS SCRIPTS, PRESENTATIONS AND FIGURES

Figshare: http://figshare.com/authors/Kathryn_Mills/414917

Open Science Framework: <http://osf.io/vmyxp>

Gitlab: <https://gitlab.com/u/katemills>