Delia Fuhrmann

MRC Cognition and Brain Sciences Unit, University of Cambridge
15 Chaucer Road, Cambridge, CB2 7EF
telephone: 01223 355 204
email: Delia.Fuhrmann@mrc-cbu.cam.ac.uk

Research & Education

2017-2020	**MRC Cognition and Brain Sciences Unit**, University of Cambridge *Postdoctoral Trainee with Dr. Rogier Kievit* • Topic: Modelling lifespan development of executive functions
2013-2017	**University College London**, Institute for Cognitive Neuroscience *PhD under the supervision of Prof. Sarah-Jayne Blakemore and Dr. Maarten Speekenbrink* • Topic: Plasticity and learning in adolescence
2009-2013	**University of St Andrews**, School of Psychology and Neuroscience *BSc Honours Psychology (1st class), other subjects studied: Biology and Divinity* • Dissertation on chimpanzee social learning with Prof. Andrew Whiten

Scholarships & Awards

2018	**Data Study Group** delegate at the Alan Turing Institute
2018	**Poster Prize** at the Cambridge Neuroscience Seminar
2017 - 2020	**Research Associate** at Sidney Sussex College, University of Cambridge
2016-2017	**Scholarship enhancement** from Jacob's Foundation Prize to Sarah-Jayne Blakemore
2013-2017	**Statistics Demonstratorship** at the Division of Psychology and Language Sciences, UCL
2009-2017	**Cusanuswerk Fellowship** of the Federal Republic of Germany
2014	**Cecily De Monchaux Research Prize** for the best performance in the first year of studies and research towards the PhD at the Division of Psychology and Language Sciences, UCL
2013	**Malcolm Jeeves Award** for best student in Psychology BSc at the University of St Andrews
2009-2013	**The Deans' List Award** of the University of St Andrews for academic excellence
2010	**Barber Price** for Divinity at the University of St Andrews

Research Experience

Summer 2012	**UC Berkeley Social Interaction Lab,** *Research assistant*
Summer 2010	**Max Planck Institute for Human Cognitive and Brain Sciences,** *Research assistant*
Summer 2009	**Max Planck Institute for Evolutionary Anthropology,** *Research assistant*

Administrative Experience

2012-2013	**Psychology Society,** University of St Andrews, *President*

Teaching Experience

2017-2018	**University of Cambridge, Psychological and Behavioural Sciences Tripos,** Supervisor
2013-2017	**UCL Department of Experimental Psychology,** *Statistics demonstrator*
2013-2014	**The Access Project,** University Outreach Program*, Tutor*
2010-1011	**First Chances**, University of St Andrews Outreach Program, *Tutor*

Relevant Training

2016-2017	**Secondment at Cauldron**, software company, *Trainee software developer*
2013-2016	**University College London**, Graduate School Training Courses including: SPM, Python, Bayesian Analysis, Logistic Regression, Regression in R
2009-2016	**Cusanuswerk**, Summer Schools on concepts of mental health, mathematical modelling, freedom and security

Interests & Skills

Statistics:	Generalized Mixed Models, Structural Equation Modelling
Programming:	Proficient programming and statistical analysis in R and MATLAB. Experience with JavaScript and Python.
Ad-hoc reviewing:	Cerebral Cortex, Developmental Cognitive Neuroscience, UNESCO, Advances in Methods and Practices in Psychological Science, Intelligence
Public engagement:	I have given talks about adolescent brain development at over 15 schools around London and regularly take part in panel discussions, e.g. on global health issues

Invited Talks

2018: Building blocks of cognitive performance. Practitioner Day*, CALM,* Cambridge, UK

2018: The neurocognitive architecture of fluid ability. Postdoc Symposium, *University of Cambridge,* Cambridge, UK

2017: Plasticity and learning in adolescence. Wednesday Lunch Time Seminar, *MRC Cognition and Brain Sciences Unit,* Cambridge, UK

2017: Generalized Linear Models. MRC Methods Day, *MRC Cognition and Brain Sciences Unit,* Cambridge, UK

2017: Plasticity and learning in adolescence. School of Psychology Seminar, *University of Birmingham,* Birmingham, UK

2017: Cardiovascular and white matter health in ageing. CBU Science Day, *MRC Cognition and Brain Sciences Unit,* Cambridge, UK

2017: Plasticity and learning in adolescence. Tea Time Talk, *UCL Institute of Cognitive Neuroscience*, London, UK

2016: Inside the adolescent brain. Advisory Meeting of the Global Girls Initiative, *Overseas Development Institute*, London, UK

2015: Social Cognition in adolescence. Countdown 2030, *PATH,* London, UK

2014: Motor mimicry in chimpanzee observational learning. Seminar given at the Department of Cognitive Biology, *University of Vienna*, Vienna, AU

Publications

Kievit, R.A., **Fuhrmann, D.**, Borgeest, G.S. et al. (2018). The neural determinants of age-related changes in fluid intelligence: A pre-registered, longitudinal analysis in UK Biobank [version 1; referees: 2 approved]. *Wellcome Open Research,* 3:38, doi: 10.12688/wellcomeopenres.14241.1

Foulkes, L., Leung, J., **Fuhrmann, D.** & Blakemore, S-J. (2018). Age differences in the prosocial influence effect. *Developmental Science*, e12666, doi: 10.1111/desc.12666

Fuhrmann, D. et al. Cardiovascular risk factors for micro- and macro-structural brain changes in healthy ageing. *bioRxiv* 264770, doi: https://doi.org/10.1101/264770

Fuhrmann, D. (2017). Plasticity and learning in adolescence. PhD Thesis. *University College London,* London, UK

Fuhrmann, D.*, Knoll, L.J.*, Sakhardande, A., Stamp, F., Speekenbrink, M. & Blakemore, S-J. (2016). A window of opportunity for cognitive training in adolescence. *Psychological Science*. *Joint first authors.

Fuhrmann, D., Knoll, L.J., Sakhardande, A., Speekenbrink, M., Cohen Kadosh, K. & Blakemore, S-J. (2016). Perception and recognition of faces in adolescence. *Scientific Reports,* 6(33497), doi:10.1038/srep33497

Fuhrmann, D., Knoll, L.J., & Blakemore, S.-J. (2015). Adolescence as a sensitive period of brain development. *Trends in Cognitive Sciences*, 19 (10), doi:10.1016/j.tics.2015.07.008

Fuhrmann, D., Ravignani, A., Marshall-Pescini, S., & Whiten, A. (2014). Synchrony and motor mimicking in chimpanzee observational learning. *Scientific Reports*, 4(5283), doi:10.1038/srep05283

Fuhrmann, D., Casey, C.S., Speekenbrink, M., & Blakemore, S.J. (under review). Social exclusion affects working memory performance in young adolescent girls. *Cognitive Development*

Fuhrmann, D., Leung, J., Griffin, C. Schweizer, S. & Blakemore, S.J. (under review). The neurocognitive mechanisms of diligence. Cognitive Neuroscience

Fuhrmann, D., Knoll, L.J., Sakhardande, A., Speekenbrink, M., Cohen Kadosh, K. & Blakemore, S-J. (in prep.). Training identity, expression and gaze perception.

Sakhardande, A., **Fuhrmann, D.**, Knoll, L.J., Cappelletti, M., Speekenbrink, M. & Blakemore, S-J. (in prep.). Training numerosity discrimination: The effect of congruence.

Knoll, L.J., **Fuhrmann, D.**, Sakhardande, A., Stamp, F., Speekenbrink, M. & Blakemore, S-J. (in prep.). Development of non-verbal reasoning in adolescence.