



[The Research Unit, Child and Adolescent Mental Health Centre, Mental Health Services – Capital Region of Denmark](#) & Faculty for Health and Medical Sciences, University of Copenhagen

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Born February 19th, 1967, married, three children (*1991,*1996,*2004)

Kerstin Jessica Plessen, Prof.

Curriculum Vitae

Research Statement

The aim of my group aims to study self-regulatory control, especially performance monitoring, but also its interaction with emotional factors across normal and pathologic development, using a combination of clinical and neurocognitive variables with measures of brainmapping (anatomical and functional MRI and EEG). Learning more about the interaction of genetic and environmental factors during the development of children and adolescents, will help to design both approaches that facilitate processes of resilience, as well as effective early interventions that enhance mental health and hopefully improve the quality of life for children and young individuals in their life-span.

Education

- 2006 Doctor of Philosophy (PhD), in the field of developmental Child and Adolescent Psychiatry, Faculty of Medicine, University of Bergen, Norway
- 2002 Specialist in Child and Adolescent Psychiatry, Norwegian Medical Association, Oslo, Norway
- 1995 Doctor of Medicine (Dr. med. with "magna cum laude"), in the field of Neurology (adults), University of Witten-Herdecke, Witten, Germany
- 1993 Medical State Examination University of Witten-Herdecke, Witten, Germany

Employment History

- Since 2011 Professor (since Dec 2014 Chair) of Child and Adolescent Psychiatry at the Faculty for Health and Medical Sciences, University of Copenhagen
- Since 2010 Head of research & senior consultant, at Child and Adolescent Mental Health Center Capital Region, Copenhagen, Denmark
- 2006–2010 Associate professor, Faculty of Medicine, University of Bergen, Norway
- 2005–2013 Adjunct associate research scientist appointment, Columbia College of Physicians & Surgeons and the New York State Psychiatric Institute, New York, USA
- 2001–2006 4-year PhD-scholarship, Faculty of Medicine and Dentistry, University of Bergen, Norway (one year maternity leave)
- 1997-2001 Residency in Child and Adolescent Psychiatry, Haukeland University Hospital, Bergen, Norway
- 1995–1996 Department of Neurology, Haukeland University Hospital, Norway
- 1994–1995 Department of Neurology, Herdecke University Hospital, Germany

Service to the Field

- since 2003 Ad-hoc reviewer >40 journals (among those American Journal of Psychiatry, JAMA Psychiatry, Proceedings of the National Academy of Sciences)
- since 2016 Member of the Advisory Board of the Journal of Child Psychology and Psychiatry
- 2008-2016 Discussant or chair of the committee for 18 PhD theses (Norway, Denmark, Sweden)
- 2010-2016 Ad hoc reviewer for Norwegian Medical Association, The British Medical Research Council, Portuguese Research Council
- 2012-2016 Panel member Health Region South/East Norway, Research Council Capital Region, Denmark, Portuguese Research Council (evaluation in the field mental health and psychology in 2015 only)

Participation international Consortia

ENIGMA ADHD Consortium http://enigma.ini.usc.edu/ongoing/enigma-adhd-working_group/

EMTICS (EU-funded) <http://www.emtics.eu/index.php/region-hovedstadens/>

Attention to Dopamine (UCPH-funded) <http://research.ku.dk/strengths/excellence-programmes/>

Tic Genetic studie (NIMH-funded) <https://tic-genetics.org/sites/europeanmenu/15-people/36-denmark>

Grants (last 5 years—only grants with rigorous national or international peer-review listed)

- 2016 "Neural Correlates of error monitoring and error adaption measured with fMRI among children at high risk for schizophrenia and bipolar disorder", Danish Council for Independent Research. Applicant: Plessen K.J. Jan 2017-Jan 2020. Amount 1,8 mio Dkk
- 2016 "Neural Correlates of error monitoring and error adaption measured with EEG among children at high risk for schizophrenia and bipolar disorder", Mental Health Services Capital Region. Applicant: Plessen K.J. Nov 2016-Nov 2019. Amount 1,5 mio Dkk
- 2016 Internetwork brain dynamics in children at high genetic risk for schizophrenia and bipolar disorder. Mental Health Services Capital Region. Co-applicant (main applicant post-doc Ayna Nejad). Nov 2016-Nov 2019. Amount 1,7 mio Dkk
- 2015 "OCD Trial-Neural mediators of efficacy in cognitive behavioural therapy in children and adolescents with OCD", Lundbeck Foundation. Applicant: Plessen K.J. Jan 2016-Jan 2019. Amount 1,8 mio Dkk
- 2015 "OCD Trial-Neural mediators of efficacy in cognitive behavioural therapy in children and adolescents with OCD", Capital Region Research Fund. Applicant: Plessen K.J. Nov 2015-Nov 2019. Amount 1,5 mio Dkk
- 2015 "OCD Trial-Neural mediators of efficacy in cognitive behavioural therapy in children and adolescents with OCD", Mental Health Services Capital Region. Applicant: Plessen K.J. Nov 2015-Nov 2019. Amount 1,5 mio Dkk
- 2013 "Motivation and reward in children with Tourette syndrome", Lundbeck Foundation. Applicant: Plessen K.J. April 2013-April 2016. Amount 1,8 mio Dkk
- 2015 "Error monitoring in children at risk for developing psychosis and bipolar disorder", Mental Health Services Capital Region. Applicant: Plessen K.J. Sept 2013-Sept 2016. Amount 1,5 mio Dkk
- 2012 "TIC Genetics". National Institute of Mental Health, USA. International genetic multi-center study. Main applicant Prof. Gary Hyman, New Jersey. Local responsible: Plessen K.J. Jan 2013-July 2014. ca. 10 000 € (depending on the inclusion of subjects)

2012 "EM-TICS". EU FP 7. Programme. Main applicant Prof. Pieter Hoekstra, Groningen University. Local responsible: Plessen K.J. March 2013-March 2016. 120 000 €

Publications

>60 publications accepted in peer-reviewed journals. Several contributions to high impact journals (Archives of Psychiatry, JAMA Psychiatry, American Journal of Psychiatry, British Journal of Psychiatry, Journal of Neuroscience, Lancet Psychiatry). Additional 11 papers have been published as conference proceedings or book chapters.

Teaching

since 2011 Main responsible (full professor) for teaching in the undergraduate course (candidate human medicine) at the University of Copenhagen, Denmark

since 2011 Postgraduate ad-hoc teaching in several interdisciplinary learning contexts in Copenhagen.

2006-2009 Main responsible (associate professor) for teaching of Child and Adolescent Psychiatry in the undergraduate course (candidate human medicine) at the University of Bergen, Norway

Oral presentations at scientific meetings and invited lectures (past 5 years–selected)

2016 Trends and myths: Vulnerability and Resilience among children and young people 2016 (Christiansborg, Copenhagen; 1.6.2016)

Brain Development during Adolescence–Disentangling social and biological factors (Annual Meeting Danish Pediatric Society, Copenhagen; 30.5.2016)

Challenges in diagnosing tics, Tourette syndrome and comorbidities (2nd Congress of the European Academy of Neurology, Copenhagen; 28.5.2016)

Underlying neurobiology and cognitive control in children with ADHD (Copenhagen prospective studies in asthma in childhood group, University of Copenhagen; 3.3.2016)

Development of cognitive control in individuals with neuropsychiatric disorders: a transdiagnostic perspective (Development in a life-span perspective, Danish Research Centre for Magnetic Resonance Imaging, Copenhagen, Denmark; 26.1.2016)

2015 Braindevelopment during Adolescence-what are the open questions? (Founding Meeting Danish Society for Adolescent Mental Health, Copenhagen, Denmark; 11.11.2015)

VIA 11–Neurobiology in children at genetic high risk at 11 years of age (Nordic Congress of Psychiatry, Copenhagen, Denmark)

Diffusion Tensor Imaging in children with Attention-Deficit/Hyperactivity Disorder (European Academy of Childhood Disability, Copenhagen, Denmark; 27.5.2015)

The use of anatomical and functional correlates of neurobiology as endophenotypes and biomarkers in Psychiatry (National Centre for Research in Registries, University of Århus, Denmark; 20.3.2015)

Performance monitoring in childhood & adult ADHD: insights from neuroimaging (Annual meeting KG Jebsen Centre for Neuropsychiatry, Trondheim, Norway; 18.3.2015)

2014 Cognitive Control and Brainlaterality in children with Tourette syndrome and children with ADHD (Department of Neurogenetics; 8.12.2014)

Tourette syndrom and its underlying neurobiology (Annual Meeting of Childpsychiatry, Helsinki, Finland; 11.11.2014)

Phenotyping in Children and Adolescents (Educational Day, World Congress of Psychiatric Genetics, Copenhagen, Denmark; 25.10.2014)

RT Variability and BOLD signal during a Flanker fMRI task in children with ADHD (American Academy of Child and Adolescent Psychiatry, San Diego, USA; 14.10.2014)

The use of neuroanatomic measures as endophenotypes and biomarkers in Psychiatry (International meeting in Neuroanatomy, Copenhagen, Denmark; 26.9.2014)

Asymmetry in the brain: Healthy controls and individuals with TS (Institute of Child Health, University College London, UK; 3.4.2014)

Sex, age, and cognitive correlates of asymmetries in thickness of the cortical mantle across the life span (Neuroimaging Research Group University Medical Center Utrecht, NL; 8.1.2014)

2013 FMRI and childhood development (international Bergen fMRI Conference; 27.9.2013)

The treatment of Tourette's syndrome with Habit Reversal Training (Conference for evidence based approaches in Child and Adolescent Psychiatry, Ålborg; 12.6.2013)

Braindevelopment in children (Society for Psychiatry, Copenhagen; 14.4.2013)

Rewardsystem in the brain of children and of adults with Tourette's syndrome (Danish Center for MR Imaging, Copenhagen; 13.4.2013)

ADHD and emotional regulation—what is the status of the evidence? (University of Göttingen, Germany; 15.2.2013)

2012 ADHD—a developmental perspective (Scientific Committee of the Society for Psychiatry, Copenhagen; 25.09.2012)

Variability of performance and within neurobiological measures in children with Tourette syndrome. (Symposium: What's new in TS? International Association for Child and Adolescent Psychiatry and Allied Professions, Paris; 23.07.2012)