

## GENERAL INFORMATION

Date Wednesday 2<sup>nd</sup> March

Time 09:00 - 18:00 pm

**Location** Tilburg University

Warandelaan 2 5037 AB Tilburg

Cobbenhagen Building

Aula

Participation fee: € 80

VNOP members/Tilburg University participants: € 50

Students: € 20

Registration: Registration before February 23<sup>rd</sup> 2011 is obliged.

www.tilburguniversity.edu/research/social-and-behavioral-sciences/life-stress/

This symposium is partially supported by the European Collaborative Research (EUROCORES) program EuroSTRESS, of the European Science Foundation (ESF). This program aims to integrate research on Stress and Mental Health. The societal and economic burden of stress related illnesses is enormous. Hence it is of great importance to come to a better understanding of how stressors influence mental health. ESF provides a platform for its Member Organizations to advance European research and explore new directions for research at the European level. Established in 1974 as an independent non-governmental organization, the ESF currently serves 79 Member Organizations across 30 countries.

The 'Vereniging Nederlandse OntwikkelingsPsychologie' (VNOP) was founded on 27 June 2007 and aims to facilitate Dutch Developmental Psychology in the broadest sense. This aim extends to both scientific research and academic education.

### www.esf.org/eurostress



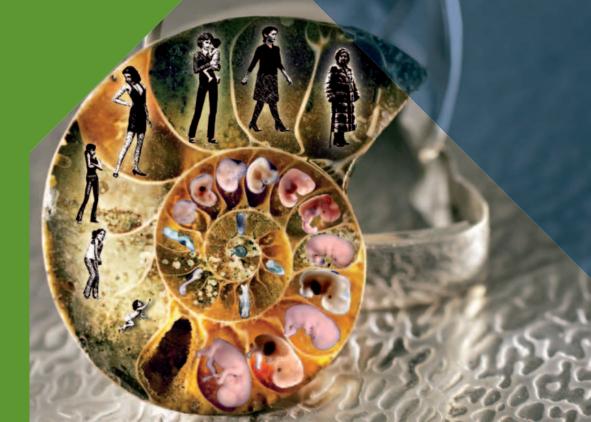


#### TILBURG SCHOOL OF SOCIAL AND BEHAVIORAL SCIENCES

March 2, 2011

# 2<sup>ND</sup> SYMPOSIUM

'(Early) life stress, brain development and ageing: the use of different methods in measuring cognition and brain function throughout life'.



# $2^{\text{nd}}$ Symposium '(Early) life stress, brain development and ageing:

# THE USE OF DIFFERENT METHODS IN MEASURING COGNITION AND BRAIN FUNCTION THROUGHOUT LIFE'

Health care is a public burden. Better understanding of the processes that cause early and unhealthy brain ageing will allow to develop strategies to intervene and to improve the health of the ageing population. At this symposium internationally well known researchers and clinicians will explain and discuss how human brain development/ageing and cognitive function can be measured with specific methods throughout life, from fetal life period until old age. In addition, empirical evidence of lifelong programming of human brain development/ageing and cognitive function by (early) life stress, in interaction with genetic and epigenetic factors will be presented. The symposium consists of two parts: part one covers the early life period and part two focuses on adulthood and old age. The life span view we propose is vital in developmental programming research and with our symposium we want to promote this view. It is important to note that most presentations will focus on methods that can be used within as well as outside clinical context in smaller or large cohort follow-up studies.

## PROGRAM WEDNESDAY MARCH 2ND 2011

09.00	Registration and coffee
09.20 - 09.30	Welcome by Rector Magnificus of Tilburg University Philip Eijlander
09.30 - 09.45	Introduction to the EuroSTRESS-ESF symposium  Bea Van den Bergh (Tilburg, the Netherlands; EuroSTRESS-ESF)  Stress, cognition and the brain: a life span perspective
09.45 - 12.30	Part 1: Measuring cognition and brain function in infancy and childhood Chair: Jean Vroomen (Tilburg, the Netherlands)
09.45 - 10.10	István Winkler (Budapest, Hungary)  The utility of event-related brain potentials in studying auditory information processing in neonates
10.10 - 10.35	Matthias Schwab (Jena, Germany)  Measurement of functional brain development in utero and postnatally  (nonlinear EEG analysis and fetal magnetoencephalography)
10.35 - 10.45	Coffee and tea break

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11.45 - 11.10	Tobias Grossmann (London, UK and Leipzig, Germany)  Social information processing in the first year of life
11.10 - 11.35	Heather Bortfeld (Storrs, Connecticut, USA)  Assessing developmental change in normal and impaired auditory processing
11.35 - 12.00	Axel Schölmerich (Bochum, Germany)  Behavioral and experimental paradigms in developmental research
12.00 - 12.30	Panel discussion with all speakers, moderated by Jean Vroomen
12.30 - 13.15	Lunch
13.15 - 15.45	Part 2: Measuring cognition and brain function in adulthood and old age  Chair: Mathieu Vandenbulcke (Leuven, Belgium)
13.15 - 13.40	Katja Franke (Jena, Germany) The 'BrainAGE' score derived from structural MRI as an indicator of individual brain aging
13.40 - 14.05	Bernet Elzinga (Leiden, the Netherlands) Impact of childhood abuse on brain structures and functions related to affect and memory
14.05 - 14.30	Jonathan Seckl (Edinburgh, Scotland; EuroSTRESS-ESF)  Glucocorticoids, enzymes and cognitive ageing
14.30 - 14.55	Joram Feldon (Zurich, Switzerland)  Long-term cognitive effects of prenatal immune challenge: insights from preclinical research
14.55 - 15.20	Katri Räikkönen (Finland, Helsinki; EuroSTRESS-ESF)  Early life origins of cognitive functioning in the elderly
15.20 - 15.45	Panel discussion, moderated by Mathieu Vandenbulcke (Leuven, Belgium)
16.00 - 18.00	Farewell drink
16.00 - 18.00	Satellite program 'The contribution of mirror neurons to the foundation of social sciences' by Vittorio Gallese, Erik Borgman and Margriet Sitskoorn