

STRESS & PTSD: BATTLEFIELD OF REASON AND EMOTION

Our objective is to present new data on the role of stress hormones in the precipitation of anxiety disorders and depression with focus on the pathogenesis post traumatic stress syndrome (PTSD).

In the **morning session** we will start with fundamental aspects of stress-related mental disorders from its molecular and cellular basis to the level of systems and animal behaviour. The first three lectures will discuss the implications of genetic variation in stress hormone receptors, the action mechanism of these hormones in nerve circuits and address the question how these hormones modulate memory processes. The morning is concluded with human studies on the role of early adversity in vulnerability to anxiety and depression.

The **afternoon session** is devoted to various clinical aspects of PTSD. Gender differences in the onset and progression of PTSD are discussed with special reference to its female prevalence. Then a promising approach is evaluated, which is based on restoring the inadequate control of stress reactions by either manipulation of cortisol or sympathetic activity. The session is concluded with the ongoing studies on PTSD in Dutch veterans using a combination of endocrine, behavioural and imaging approaches.

The day is concluded with the Marius Tausk lecture by Rachel Yehuda about clinical aspects of PTSD from a translational perspective.

'Reason and Emotion' is the motto of this year's 435th anniversary of Leiden University.

PROGRAMME 1 SEPTEMBER 2010 STRESS & PTSD: BATTLEFIELD OF REASON AND EMOTION

- 09.50 Welcome
Chair: Onno Meijer (Leiden)
- 10.00 Roel de Rijk (Leiden)
Common human MR-gene variants underlie neuroendocrine and behavioural regulation
- 10.30 Marian Joëls (Utrecht)
Neurophysiology of PTSD
- 11.00 Break
Chair: Melly Oitzl (Leiden)
- 11.30 Benno Roozendaal (Groningen)
Traumatic memories
- 12.00 Bernet Elzinga (Leiden)
The role of early life stress in anxiety and depression
- 12.30 LUNCH & POSTER SESSION
Chair: Frans Zitman (Leiden)
- 14.00 Miranda Olf (Amsterdam)
Do men and women differ in their traumatic stress response?
- 14.30 Merel Kindt (Amsterdam)
Beyond extinction of traumatic memories
- 15.00 Eric Vermetten (Utrecht)
Neural response patterns to threat perception in the deployment cycle of soldiers to Afghanistan
- 15.30 Break
Chair Ron de Kloet
- 16.00 **Marius Tausk Lecture: Rachel Yehuda**
PTSD: Behaviour, endocrinology and clinical molecular neurobiology
- 17.00 Drinks

REGISTRATION

TO REGISTER PLEASE SEND AN E-MAIL TO:

w.rodger@lacdr.leidenuniv.nl

PAYMENT INSTRUCTIONS:

PLEASE TRANSFER € 100.00
BEFORE 23 AUGUST 2010

(N.B. PAYMENT AT SYMPOSIUM € 125.00)

TO: LEIDEN UNIVERSITY
BANK ACCOUNT NO.: 402823508
PAYMENT REFERENCE: 2005070308
& YOUR NAME

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IBAN: NL76ABNA0402823508
BIC (SWIFT ADDRESS): ABNANL2A

A PAYMENT RECEIPT WILL BE PROVIDED WHEN YOU REGISTER
ON 1 SEPTEMBER



Rachel Yehuda, PhD, Professor of Psychiatry and Neurobiology, is the Director of the Traumatic Stress Studies Division at Mount Sinai School of Medicine and the Mental Health Patient Care Center Director at the James J. Peters Veterans Affairs Medical Center. Dr. Yehuda is a recognized leader in the field of traumatic stress studies. Her current interests include the study of risk and resilience factors, psychological and biological predictors of treatment response in PTSD, genetic and epigenetic studies of PTSD and the intergenerational transmission of trauma and PTSD. Her research on cortisol and brain function has revolutionized our understanding and treatment of PTSD.

Marius Tausk Guest Professorship

The Marius Tausk Chair was established in 1998 at Leiden University Medical Center (LUMC) by N.V. Organon and the Netherlands Endocrine Society. The Chair is accommodated at the Leiden/Amsterdam Center for Drug Research with the objective to stimulate drug research and training in the area of endocrinology and the neurosciences.

This event is Supported by



*Division of Medical Pharmacology;
LACDR/LUMC
Einsteinweg 55 – 2333 CC Leiden
P.O. Box 9502 – 2300 RA Leiden
Tel.:(31)(0)71-5276210
Fax:(31)(0)71-5274715
E-mail: w.rodger@lacdr.leidenuniv.nl*

SYMPOSIUM

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In honour of Prof. dr. Rachel Yehuda
Recipient of the 2010 Marius Tausk Chair
in Endocrinology and Neurosciences



Oegstgeest, 1 September 2010
Rivierduinen Endegeest
Endegeesterstraatweg 5
2342 AJ Oegstgeest
tel 00-31-(0)71-8906999