

24 & 25 March 2011 ANNOUNCEMENT



Epilepsy &
Sleep update
@ Kempenhaghe.nl

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13th annual international clinical
symposium Kempenhaghe

Epilepsy, Sleep & Technology



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Sleep update
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Dear colleagues,

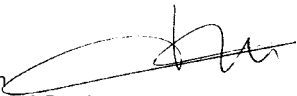
The 13th edition of the annual international clinical symposium 'Epilepsy&Sleep update@Kempenhaeghe.nl' will take place on Thursday 24 March and Friday 25 March 2011 in Heeze, The Netherlands. Over the past twelve years, this symposium has become a major international scientific event in the Low Countries, hosting over 600 delegates in 2010.

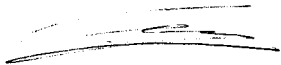
This year the central theme will be 'Epilepsy, Sleep & Technology'. In main sessions, in workshops and parallel sessions, the progress in medical technology and its impact on diagnosis and treatment of epilepsy and sleep will be discussed. A specific session will focus on new insights in neurological learning disabilities. A distinguished national and international faculty guarantees a high quality of presentations and content covering best clinical practice, results of the latest scientific research and illustrative cases.

The main sponsor of the symposium is UCB Pharma.
The parallel sessions of the sleep update are sponsored by the BASS and NSWO.

On behalf of the scientific and organizing committee we warmly invite you to the 13th annual international clinical symposium 'Epilepsy&Sleep update@Kempenhaeghe.nl' and hope to personally welcoming you at Kempenhaeghe.

With best regards,


prof. dr. Paul Boon
director of Research & Development
Kempenhaeghe
professor of neurology
Ghent University Hospital


prof. dr. Bert Aldenkamp
secretary of Research & Development
Kempenhaeghe
professor of epilepsy and neuropsychology
Maastricht University Medical Center

SCIENTIFIC COMMITTEE

prof. dr. Paul Boon
prof. dr. Bert Aldenkamp
dr. Johan Arends
prof. dr. Herman Beijerinck
prof. dr. ir. Jan Bergmans

Julliette Duisterwinkel
dr. Anna-Maria Janner
dr. Marian Majoie
dr. Pauly Ossenblok
dr. ir. Peter van Otterloo

dr. Sebastiaan Overeem
prof. dr. Dirk Pevernagie
Francis Tan
dr. Geert Thoonen
prof. dr. Machiel Zwarts

FRIDAY 25 MARCH 2011

Main Sessions Epilepsy & Sleep

09.00 – 09.30 Welcome and registration at Kempenhaeghe

MAIN SESSION EPILEPSY

09.30 – 12.30

TECHNOLOGY IN EPILEPTOLOGY

Chairs: prof. dr. Paul Boon, prof. dr. Bert Aldenkamp

Advances for in-patient and out of hospital monitoring	prof. dr. Hermann Stefan
New developments in functional neurosurgery and robotics	prof. dr. Dennis Spencer
Current and future developments in imaging	prof. dr. Graeme Jackson
Future of technology in cure and care: ethical aspects	prof. dr. Johan Braeckman

12.30 – 14.30 Lunch at Heeze Castle

MAIN SESSION SLEEP

14.30 – 17.00

TECHNOLOGY AND SLEEP MEDICINE

Chairs: prof. dr. Dirk Pevernagie, dr. Sebastiaan Overeem

Targeting new brain regulatory pathways in sleep	prof. dr. Joop van Gerven
How can OSA patients benefit from smart PAP technologies?	prof. dr. Winfried Randerath
Sleep and vigilance: assessment and manipulation of skin temperature	prof. dr. Eus van Someren
Is functional imaging ready for sleep medicine?	prof. dr. Philippe Peigneux
Technology for sleep medicine: new vistas from the industry	dr. Jeroen Wals

FRIDAY 25 MARCH 2011

Parallel Sessions Epilepsy

PARALLEL SESSION 1 EPILEPSY

14.30 – 17.00 **TRANSLATIONAL RESEARCH WORKSHOP MEDICAL TECHNOLOGY**

Chairs: prof. dr. Paul Boon, prof. dr. Bert Aldenkamp

Epilepsy seizure detection: from the drawing table	dr. Johan Arends, prof. dr. ir. Jan Bergmans
Epilepsy seizure detection: to the market	dr. Anna-Maria Janner, ir. Philippe Mattelaer
The sociometer: intelligent sensing	prof. dr. Bert Aldenkamp, prof. dr. ir. Loe Feijs
Cortical excitability of the brain	prof. dr. Machiel Zwarts, prof. dr. ir. Dick Stegeman
Local drug delivery in epilepsy	prof. dr. Paul Boon, prof. dr. Robrecht Raedt

PARALLEL SESSION 2 EPILEPSY

14.30 – 17.00 **EPILEPSY RESEARCH WORKSHOP**

Image Analysis and Visualization, Functional Connectivity, Image Guided
Surgical Intervention

Chairs: dr. Pauly Ossenblok, prof. dr. ir. Bart ter Haar Romeny

Epilepsy Imaging for diagnosis and treatment	prof. dr. Louis Lemieux
Computer-aided diagnosis of cortical lesions in epilepsy patients	dr. Paul Hofman
High angular resolution diffusion imaging in epilepsy research	dr. Anna Vilanova i Bartroli
Combined EEG and fMRI to localize focal epilepsy	ir. Petra van Houdt
Network analysis of generalized epileptic discharges	dr. Pauly Ossenblok
Image acquisition and analysis for deep brain stimulation	ir. Ellen Brunenberg

PARALLEL SESSION 3 EPILEPSY

14.30 – 17.00 **SPECIAL CASES: TECHNOLOGY MAKES THE DIFFERENCE**

Chair: dr. Marian Majoo

Can there be too much information?	Albert Colon
Neuronal networks and fMRI	Mariëlle Vlooswijk
Inside the black box	Bert Kornips
Seizure detection	Saskia Ebus
Silencing seizures	dr. Anton de Louw

PARALLEL SESSION 4 (SESSION IN DUTCH)

14.30 – 17.00 **OPTIMALE COMBINATIETHERAPIE: WENS OF MYTHE?**

Chair: dr. Cees van Donselaar

Farmacologie van combinatietherapie	prof. dr. Ilse Smolders
Optimale combinatietherapie	dr. Kenneth Saké
Discussie	
Pro rationale polytherapie	dr. Charles Deckers
Contra rationale polytherapie	dr. Hans Carpay

FRIDAY 25 MARCH 2011

Parallel Sessions Sleep

09.00 – 09.30 Welcome and registration at Kempenhaeghe

PARALLEL SESSION 1 SLEEP

09.30 – 12.30 **NSWO-MEETING ON RECENT DEVELOPMENTS IN SLEEP RESEARCH**

Chairs: prof. dr. Tom de Boer, prof. dr. Robert Poirrier

Imaging insomnia: brain structure, function and sleep intervention	dr. Ellemarije Altena
Ergonomic aspects of sleeping comfort: a personalized approach	prof. dr. ir. Bart Haex
Network reconfiguration in sleep; insights from combined EEG/fMRI studies	dr. Victor Spoomaker
Emotion and sleep in a bidirectional relationship	dr. Marie Vandekerckhove
The two-process model: retrospect and prospect	prof. dr. Serge Daan

PARALLEL SESSION 2 SLEEP

09.30 – 12.30 **BASS-MEETING ON RECENT DEVELOPMENTS IN CLINICAL SLEEP MEDICINE**

Chairs: dr. Ilse de Volder, dr. Hans Hamburger

Usefulness of questionnaires for evaluating sleep quality	prof. dr. Elke de Valck
Automatic posture recognition during sleep	ir. Vincent Verhaert
Heart rate based sleep monitoring	ir. Arnoud Bulckaert
Manipulation of sleep position in obstructive sleep apnea	ir. Eline van Beest
Partial sleep deprivation and insulin resistance	Esther Donga

12.30 – 14.30 Lunch at Heeze Castle

Parallel Session Neurocognition

PARALLEL SESSION 1 NEUROCOGNITION

14.30 – 17.00 **NEUROLOGICAL LEARNING DISORDERS**

Chairs: prof. dr. Hans Vles, dr. Jos Hendriksen

Chairman's introduction	prof. dr. Hans Vles
Clinical aspects and neurological complications of Neurofibromatosis type 1 (NF1)	dr. Coriene Catsman
Cognition, learning and behaviour in Neurofibromatosis type 1 (NF1)	André Rietman
Translational research: clinical trials in cognitive developmental disorders	Thijs van der Vaart
Time perception: a theoretical introduction	Sylvie van der Kruijs, dr. Jos Hendriksen
How to design a time simulator in virtual reality	dr. Jun Hu, dr. ir. Geert Langereis, prof. dr. Matthias Rauterberg
Neurocognitive function after (mild) traumatic brain injury in children	prof. dr. Huw Williams

THURSDAY 24 MARCH 2011

Course in health care

12.00 – 13.00 Welcome and registration at Kempenhaeghe – (Including lunch buffet)

COURSE IN HEALTH CARE

13.00 – 17.30 **CLINICAL NEUROLOGY FOR HEALTH TECHNOLOGISTS**

Chairs: prof. dr. Paul Boon, prof. dr. Bert Aldenkamp

Epilepsy	prof. dr. Paul Boon, prof. dr. Bert Aldenkamp
Stroke	dr. Robert van Oostenbrugge
Sleep medicine	dr. Sebastiaan Overeem
Neurological learning disabilities: an overview	prof. dr. Hans Vles, dr. Jos Hendriksen
Neuromusculair disease	prof. dr. Machiel Zwarts
Alzheimer disease	prof. dr. Frans Verhey

In this unique course, clinical neurology topics will be discussed, tailored to health technologists, working on technological solutions for patients with neurologic disorders.

The fee for participants to the Course Clinical Neurology for Health Technologists is € 250,- including btw (Dutch VAT). Please register for participation in the symposium 'Epilepsy&Sleep update@Kempenhaeghe.nl' at Kempenhaeghe's website www.kempenhaeghe.nl. On the website you will find further instructions.



Faculty

prof. dr. Bert Aldenkamp
dr. Ellemarije Altena
dr. Johan Arends
ir. Eline van Beest
prof. dr. ir. Jan Bergmans
prof. dr. Tom de Boer
prof. dr. Paul Boon
prof. dr. Johan Braeckman
ir. Ellen Brunenberg
ir. Arnoud Bulckaert
dr. Hans Carpay
dr. Coriene Catsman
Albert Colon
prof. dr. Serge Daan
dr. Charles Deckers
Esther Donga
dr. Cees van Donselaar
Saskia Ebus
prof. dr. ir. Loe Feijs
prof. dr. Joop van Gerven
prof. dr. ir. Bart ter Haar Romeny
prof. dr. ir. Bart Haex
dr. Hans Hamburger
dr. Jos Hendriksen
dr. Paul Hofman
ir. Petra van Houdt
prof. dr. Graeme Jackson
dr. Jun Hu
dr. Anna-Maria Janner
Bert Kornips
Sylvie van der Kruis
dr. ir. Geert Langereis
prof. dr. Louis Lemieux
dr. Anton de Louw
dr. Marian Majoie
ir. Philippe Mattelaer
dr. Robert van Oostenbrugge
dr. Pauly Ossenblok
dr. Sebastiaan Overeem
prof. dr. Philippe Peigneux
prof. dr. Dirk Pevernagie
prof. dr. Robert Poirrier
prof. dr. Robrecht Raedt
prof. dr. Winfried Randerath
prof. dr. Matthias Rauterberg
André Rietman
dr. Kenneth Saké
prof. dr. Ilse Smolders
prof. dr. Eus van Someren
prof. dr. Dennis Spencer
dr. Victor Spoomaker
prof. dr. Hermann Stefan
prof. dr. ir. Dick Stegeman
Thijs van der Vaart
prof. dr. Elke de Valck
dr. Marie Vandekerckhove
ir. Vincent Verhaert
prof. dr. Frans Verhey
dr. Anna Vilanova i Bartrolí
prof. dr. Hans Vies
Mariëlle Vlooswijk
dr. Ilse de Volder
dr. Jeroen Wals
prof. dr. Huw Williams
prof. dr. Machiel Zwarts

Kempenhaeghe, Heeze; Maastricht University Medical Center, The Netherlands
University of Cambridge, Great Britain
Kempenhaeghe, Heeze, The Netherlands
Technical University Delft, The Netherlands
Eindhoven University of Technology, The Netherlands
Leiden University Medical Center, The Netherlands
Kempenhaeghe, Heeze, The Netherlands; Ghent University Hospital, Belgium
Ghent University Hospital, Belgium
Eindhoven University of Technology, The Netherlands
University Leuven, Belgium
Tergooi Hospital, Blaricum/Hilversum, The Netherlands
Erasmus Medical Centre, Rotterdam, The Netherlands
Kempenhaeghe, Heeze, The Netherlands
University of Groningen, The Netherlands
SEIN, Heemstede, The Netherlands
Leiden University Medical Center, The Netherlands
Maasstad Hospital, Rotterdam, The Netherlands
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Ghent University Hospital, Belgium
University Witten/Herdecke; Bethanien Hospital, Germany
Eindhoven University of Technology, The Netherlands
Erasmus Medical Centre, Rotterdam, The Netherlands
UCB Pharma, Belgium
Free University Brussels, Belgium
Netherlands Institute for Neurosciences Amsterdam, The Netherlands
Yale University School of Medicine, USA
Max Planck Institute of Psychiatry, München, Germany
Epilepsy Centre, University Hospital Erlangen, Germany
Radboud University Nijmegen Medical Centre, The Netherlands
Erasmus Medical Centre, Rotterdam, The Netherlands
Free University Brussels, Belgium
Free University Brussels, Belgium
University Leuven, Belgium
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Eindhoven University of Technology, The Netherlands
Kempenhaeghe, Heeze; Maastricht University Medical Center, The Netherlands
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University Hospital of Antwerp, Belgium
Philips Research, Eindhoven, The Netherlands
Exeter University, Great Britain
Kempenhaeghe, Heeze; Radboud University Hospital Nijmegen, The Netherlands

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Registration only at www.kempenhaeghe.nl

Please register for participation in the symposium 'Epilepsy&Sleep update@Kempenhaeghe.nl' at Kempenhaeghe's website www.kempenhaeghe.nl. On the website you will find further directions.

First you will need to fill out the requested information, then you may choose between the different sessions.

Costs

Participation in the main and parallel sessions on Friday 25 March 2011 is free.

Accreditation

Accreditation from the Dutch and Belgian neurological accreditation committees and societies of physicians for persons with intellectual disabilities, pulmonologists, ENT-physicians, pediatricians and psychiatrist has been requested.

Poster session

A poster session will be organized. You can find information and instructions at www.kempenhaeghe.nl

Venue

The symposium 'Epilepsy&Sleep update@Kempenhaeghe.nl' will take place at Kempenhaeghe, Sterkselseweg 65, Heeze, The Netherlands.

If you have any questions, please contact the communication department of Kempenhaeghe at telephone +31(0) 40 227 92 82 or e-mail update@Kempenhaeghe.nl

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