22 & 23 & 24 March 2017 ANNOUNCEMENT

Update@kempenhaeghe.nl
Epilepsy | Sleep | Neurocognition

19th annual international clinical symposium Kempenhaeghe

Diagnostic and Therapeutic Advances
Dear colleagues,

The 19th edition of the annual international clinical symposium ‘Update@Kempenhaeghe.nl’ will take place on Wednesday 22 March, Thursday 23 March and Friday 24 March 2017 in Heeze, The Netherlands. Over the past decades this symposium has become a major international scientific event in the Low Countries, hosting over 650 delegates. This year the focus will be on diagnostic and therapeutic advances.

During state-of-the-art main sessions, workshops and parallel sessions, recent progress in the diagnosis and treatment of epilepsy, sleep disorders and neurocognition will be discussed.

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, that are traditionally organized by BASS and NSWO, are now being expanded with a third session on technology in sleep medicine.

On behalf of the scientific and organizing committee we warmly invite you to the 19th annual international clinical symposium ‘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
professor of cognition and imaging in epilepsy
Eindhoven University of Technology

prof. dr. Marian Majoie
prof. dr. Robert van Oostenbrugge
prof. dr. Dirk Pevernagie
Lia de Ruijter MBA

SCIENTIFIC COMMITTEE

prof. dr. Bert Aldenkamp
prof. dr. Johan Arends
prof. dr. Paul Boon
dr. Laura Gottmer - Welschen

dr. Jos Hendriksen
dr. Anton de Louw
prof. dr. Marian Majoie
dr. ir. Rob Mestrom

prof. dr. Robert van Oostenbrugge
prof. dr. Dirk Pevernagie
Lia de Ruijter MBA
**Wednesday 22 March 2017**

**Neu3Ca Forum** (closed meeting; presentation of the invited speaker is open)

**Organizers**: dr. Evelien Carrette & dr. ir. René Besseling

**Moderators**: prof. dr. Paul Boon, prof. dr. ir. Jan Bergmans, prof. dr. Bert Aldenkamp

- **12.30 - 13.00** Reception (incl. lunch)
- **13.00 - 15.00** 12 pitches of the current PhD students working within the Neu3Ca program (closed)
- **15.30 - 16.10** **Invited speaker**: prof. dr. Huub Savelkoul
  The effect of probiotics, the immune system and lifestyle on (healthy) ageing (open for public)
- **16.10 - 17.30** Strategic discussion (with PhD students)

**Thursday 23 March 2017**

**INNOVATION SESSION: ‘PITCHES ON TECHNOLOGY AND MEDICINE’**

*Register separately*

- **09.00 - 09.15** Welcome and registration
- **09.15 - 12.00** Pitches from industry and clinic
  **Chairs**: prof. dr. ir. Jan Bergmans, Marieke van Beurden MPIM

  Representatives from clinic and industry will interact on topics for innovation in neurology. For further information about the program and registration please check www.kempenhaeghe.nl

- **12.00 - 13.00** Lunch, networking and expo market
Thursday 23 March 2017

Advanced Epilepsy Course
Register separately (fee € 500,-); only open for academic professionals

12:00 - 13:00 Welcome and Registration (including lunch buffet)

13:00 - 17:00 Advanced Epilepsy Course
Patient Management Using Novel Paradigms and Therapies

Plenary Session
Which are the most efficacious antiepileptic drugs? prof. dr. Emilio Perucca
Which are the most harmful antiepileptic drugs? prof. dr. Tony Marson
New antiepileptic drugs in late development prof. dr. Meir Bialer
Myths in epileptology prof. dr. Andreas Schulze - Bonhage

Interactive Break – Out Sessions

17:00 - 18:00 On-Site Visit of Kempenhage
09.00 - 09.30  WELCOME AND REGISTRATION

09.30 - 12.30  MAIN SESSION EPILEPSY  
CURRENT AND NEW THERAPEUTIC SOLUTIONS FOR EPILEPSY PATIENTS

The new epilepsy classification and its therapeutic consequences  prof. dr. Emilio Perucca
Smart therapeutic solutions beyond medication  prof. dr. Andreas Schulze-Bonhage
New antiepileptic drugs in late development  prof. dr. Meir Bialer
Current rational antiepileptic drug mono- and polytherapy  prof. dr. Tony Marson

12.30 - 14.30  LUNCH AT HEEZE CASTLE

14.30 - 16.30  PARALLEL SESSION 1 EPILEPSY  
DRUG THERAPY
Chairs: dr. Emmeke Wammes - van der Heijden, dr. Christian Vader

The session is focused on clinicians. For three newer antiepileptic drugs we are attempting to answer:
- When is it necessary to choose for a new antiepileptic drug?
- What are the selecting options?
- What is the efficacy and tolerability profile?
- What is important to monitor in clinical practice?

Perampanel  prof. dr. Bernard Steinhoff
Brivaracetam  dr. Rob Rouhl
Lacosamide  dr. Judith Sie
Conclusions and discussion  dr. Emmeke Wammes – van der Heijden, dr. Christian Vader

14.30 - 16.30  PARALLEL SESSION 2 EPILEPSY
DE NIEUWE CLASSIFICATIE; AANVALSBEELDEN EN DIAGNOSTISCHE DILEMMA’S

Video sessie
Chairs: prof. dr. Marian Majoie, dr. Anton de Louw

Patiënt met epilepsie en verstandelijke beperking  dr. Charlotte van Asch
Classificeren van kinderepilepsie  dr. Floor Janssen
Epilepsie en comorbiditeit  dr. Joost Nicolai
Chirurgie of niet?  prof. dr. Alfred Meurs

14.30 - 16.30 PARALLEL SESSION 3 EPILEPSY
GENETIC MECHANISMS OF EPILEPSY SYNDROMES
Chairs: dr. Jurgen Schelhaas, dr. Sarah Weckhuysen

Genetic mechanism of mitochondrial disorders
dr. Maaike de Vries
Genetic mechanism of Kleefstra syndrome
dr. Tjitske Kleefstra
Genetic mechanism of cortical development disorders
dr. Gracia Mancini
The use of hiPSC technique for the evaluation of genetic mechanisms in epilepsy syndromes
dr. Nael Nadif Kasri

14.30 - 16.30 PARALLEL SESSION 4 EPILEPSY
NEW DEVELOPMENTS IN EPILEPSY IN CHILDREN
Chairs: dr. Hilde Braakman, dr. Mariëtte Debeij - van Hall

Treatment of refractory seizures in Dravet syndrome: old drugs, new perspectives?
Medicinal Cannabis
dr. Judith Verhoeven
Fenfluramine
prof. dr. Berten Ceulemans

Less invasive, more effective?: new treatment options in epilepsy surgery
Clinical cases
dr. Daniëlle de Jong
Preliminary results and future perspectives
Louis Wagner

14.30 - 16.30 PARALLEL SESSION 5 EPILEPSY
ADVANCED IMAGING IN EPILEPSY AND AGEING
Chairs: dr. Evelien Carrette, dr. ir. René Besseling

Functional and structural MRI in epilepsy and ageing
prof. dr. Eric Achten
Can high field MRI add information in epilepsy and ageing
prof. dr. Paul Hofman
Age-Utility study - The value of a longterm MRI study
dr. Max Keuken
Nuclear imaging via PET-MRI in epilepsy and ageing
prof. dr. Koen Van Laere

14.30 - 16.30 PARALLEL SESSION 6 EPILEPSY
CLINICAL DEMAND VERSUS TECHNOLOGICAL OFFER: ARE YOU BEING SERVED?
Chairs: prof. dr. Johan Arends, dr. ir. Rob Mestrom

Lost in translation, challenges in clinical-technical research
dr. ir. René Besseling
What support do we need in epilepsy surgery?
dr. Albert Colon
Optogenetics/chemogenetics as future treatment for epilepsy?
prof. dr. Robrecht Raedt
Seizure detection and SUDEP prevention
dr. Roland Thijs
FRIDAY 24 MARCH 2017

09.00 - 09.30 WELCOME AND REGISTRATION

09:30 - 12:30 PARALLEL SESSION 1 SLEEP
   Chairs: prof. dr. Bertien Buyse (BASS), dr. Cathalijn Leenaars (NSWO)

Opto-dialysis studies reveal that local release of acetylcholine within the basal forebrain promotes wakefulness by actions on cortically-projecting non-cholinergic neurons
Janneke Zant

Bedtime procrastination: a behavioral perspective on sleep deprivation
Sanne Nauts

Sleep quality and structure: the impact of real-life light deprivation
Emma Wams

Manipulating sleep and memory by EEG guided stimulation
dr. Lucia Talamini

Multimedia use and sleep
Liese Exelmans

09:30 - 12:30 PARALLEL SESSION 2 SLEEP
   Chairs: prof. dr. Dries Testelmans (BASS), dr. Annemarie Luik (NSWO)

New insights in the diagnosis, pathophysiology and treatment of sleep-disordered breathing in pediatric obesity
dr. Annelies Van Eyck

Positioning pillow in the treatment of positional sleep related breathing disorders
Dr. Johan Newell

Oropharyngeal exercises in obstructive sleep apnea
Prof. dr. Gimbada Benny Mwenge

Therapeutic compliance and the impact on symptomatic outcome in patients with chronic fatigue and chronic fatigue syndrome
Prof. Dr. Dirk Vogelaers

Sleep/wake problems and rhythmicity in bipolar disorder
Stefan Knapen

09:30 - 12:30 PARALLEL SESSION 3 SLEEP
   SLEEP & TECHNOLOGY
   Chairs: dr. Sebastiaan Overeem, prof. dr. ir. Panos Markopoulos

Advances in home sleep monitoring with PPG
Ir. Pedro Fonseca

Soft robotic innovation for the best night of sleep
Julian Jagtenberg

Analysis of snoring sounds in the diagnosis of OSA
Dr. ir. Bruno Arsenali

Camera-based vital signs monitoring in infrared
Ir. Mark van Gastel

Low intensity small bandwidth light therapy using a headworn device
Toine Schoutens

12.30 - 14.30 LUNCH AT HEEZE CASTLE
12.30 - 14.30  LUNCH AT HEEZE CASTLE

14.30 - 16.30  MAIN SESSION SLEEP
NEW DEVELOPMENTS IN SLEEP MEDICINE
Chairs: prof. dr. Dirk Pevernagie, dr. Sebastiaan Overeem

The etiology of human narcolepsy           prof. dr. Claudio Bassetti
Impact of pre- and perinatal circadian disturbance on later prof. dr. Bert van der Horst
life health
The role of psychological factors in insomnia          dr. Merijn van de Laar
Assessment of OSA severity in the individual patient    dr. Hennie Janssen

09.00 - 09.30  WELCOME AND REGISTRATION

09:30 - 12:30  MAIN SESSION NEUROCOGNITION
BRAIN AND LEARNING
Chairs: dr. Jos Hendriksen, dr. Sylvia Klinkenberg

Neuroplasticity in clinical practice prof. dr. Onno van Nieuwenhuizen
Much ado about memory prof. dr. Kees Brunia
DCD: a developmental disorder or a learning disorder? dr. Reint Geuze
Dyslexia and the brain prof. dr. Ben Maassen
Dyscalculia/mathematical learning disabilities, brain, assessment prof. dr. Annemie Desoete
and learning/remediation

12.30 - 14.30  LUNCH AT HEEZE CASTLE
Registration only at www.kempenhaeghe.nl
Please register for participation in the symposium ‘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 24 March 2017 is free.

The fee for participants to the Advanced Epilepsy Course on Thursday 23 March 2017 is € 500,-.

Accreditation
Accreditation from the Dutch and Belgian neurological accreditation committees and from the societies of physicians for persons with intellectual disabilities (ABC-1), pulmonologists, ENT-physicians, pediatricians, neurosurgeons, clinical neuropsychologists and nurse practitioners has been requested.

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

Venue
The symposium ‘Update@Kempenhaeghe.nl’ will take place at Kempenhaeghe, Sterkselseweg 65, Heeze, The Netherlands, where you will find parking space.

If you travel by public transport, you can use Kempenhaeghe’s taxi shuttle service at Heeze railway station.

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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