



NeuroFederation



SIXTH DUTCH ENDO-NEURO MEETING

Parkhotel 'De Branding
'Doorwerth
4-7 June 2002

www.enmeeting.nl

Organization committee

Gerard Boer (NIH, Amsterdam)
Marjanne Everts (UU, Utrecht)
Rob Heinsbroek (ZonMw, Den Haag)
Gert ter Horst (RUG, Groningen)
Jelle Jolles (UM, Maastricht)
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Paul Lucassen (SILS, Uva, Amsterdam)
Hanno Pijl (LUMC, Leiden) committee secretariat
Wim Scheenen (KUN, Nijmegen) treasurer
Anton Scheurink (RUG, Groningen) president
Jenny Visser (EUR, Rotterdam)
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Ineke van der Zee (KUN, Nijmegen) vice-president

Program committee Endocrinology

Marjanne Everts, Hanno Pijl (chair), Anton Scheurink,
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Program committee Mol&Cell Neuroscience

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Paul Lucassen, Wim Scheenen, Erno Vreugdenhil,
Ineke van der Zee

Program committee Cogn&Beh Neuroscience

Edward de Haan, Hans den Boer, Peter Hagoort,
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Secretariat registration

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Secretariat abstracts

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Meibergdreef 33, 1105 AZ Amsterdam ZO, The Netherlands

WELCOME

The organizers herewith provide you with the details and program of what is officially called the 6th Dutch Endo-Neuro Meeting 2002 and has been launched on the meeting website on 8 February 2002. In this flyer, you will find the annual and almost traditional Endo-Neuro program with many exciting sessions in the fields of endocrinology, neuroendocrinology and neurosciences. New is an extra fourth day focusing on cognitive and behavioral neurosciences. This explains the working title of the 2002 meeting: 1st Dutch Endo-Neuro-Psycho Meeting.

One of the aims of the ENmeeting is to present the most recent developments in clinical and pre-clinical research in various fields of endocrinology and the neurosciences. To this end, more than 50 internationally well-known speakers from Europe and the USA were invited to present their view on the future prospects of their field. The second aim of the meeting is to create an ideal atmosphere - both scientific and social - to promote the interactions between junior investigators and established senior scientists. Therefore, a considerable amount of time in the program is reserved for contributions of junior scientists. This is, for example, reflected by the (advised) standard format or a parallel session: an 30 min introduction by an established senior scientist combined with a number of 15 min presentations by young postdocs and/or PhD-students.

Poster sessions are open for both young and established scientists. We would like to encourage everybody to submit an abstract for one of the four poster sessions at the 2002 Meeting.

We would like to acknowledge the important contribution of the session moderators: they organized the sessions and together they are responsible for the exciting program of this years meeting. Of course, the 6th Endo-Neuro Meeting would not exist without generous financial support from several sponsors including ZonMw, NWO-ALW, NWO-MaGW, NVE, de Hersenstichting, EKN and several Graduate Schools. Finally, it should be mentioned that the meeting is organized under auspices of the Nederlandse Vereniging voor Endocrinologie (NVE) and the Neurofederation. Members of these organizations benefit a discount on registration costs through special package fees.

We are looking forward seeing you in Doorwerth,

On behalf of the organizing committee,

Anton Scheurink, chairman

VENUE, REGISTRATION AND COSTS

Conference center

The conference site is Conferentiecentrum **Parkhotel 'De Branding'**, Kabeljauwallee 35, 6865 BL Doorwerth, t +31 (0)317 31 9010, f +31 (0)317 31 4546, e info@parkhoteldebranding.nl, i www.parkhoteldebranding.nl. The center is located in the heart of the woods, yet within short distance of public transport facilities. The Parkhotel 'De Branding' can be reached by public transport from the Arnhem central railway station by a **taxi** or a **'treintaxi'** (railway taxi shuttle), or by the **buses 50 and 81** (direction Utrecht) and 80 (direction Amersfoort), stop 'Kievitsdel'. By car take the exit 19 (Renkum) at the A50 between crossings Grijsoord and Valburg and follow direction Doorwerth for 1200 m and make a turn right on the Van der Molenallee, and finally the third street on the right hand site (Kabeljauwallee).

Hotel accommodations

Hotel accommodation is provided either in the **Parkhotel 'De Branding'** (see address above) or in **Hotel 'Nol in't Bosch'**, Hartenseweg 60, 6704 PA Wageningen, tel. +31 317 31 9101, fax +31 317 31 3611, e-mail info@nolintbosch.nl. Facilities of the Parkhotel 'De Branding' include an indoor and outdoor swimming pool, tennis and squash courts, a solarium, sauna and fitness center, and the rent of hotel bikes. Thus, never a dull moment before and after the scientific sessions. Those accommodated in Hotel 'Nol in 't Bosch' are offered a free shuttle by bus to and from the Conference Center (about 7 km). This hotel is located in a quiet and wood-rich environment. In case you travel yourself to this hotel: at the Parkhotel 'De Branding' follow the Van der Molenallee, Utrechtseweg, Bennekomseweg which changes into Keijenbergweg (route N782), then turn left at a hotel sign into the Regentesselaan. At the end of this lane turn left again for Hotel 'Nol in 't Bosch' at the Hartenseweg (see map on the meeting website).

Registration

The Endo-Neuro Meeting uses this web site for registration (see registration form). **Deadline for registration is May 1, 2002.** Receipt of your registration will be confirmed by an automatic e-mail. Definitive confirmation of the registration follows upon receipt of payment of the meeting fee on **Postbank account 7905966 of the Endo-Neuro Meeting, K-UL402, Toernooiveld 1, 6525 ED Nijmegen.** Reservations can be made definitive only when your meeting fee is received by the deadline of May 15, 2002. Please make sure that the payment is recognizable for the organizers as transferred by you as registrant. Preferably use your personal bank account since transfers through administrative offices usually leads to anonymous 'ghost' payments. After May 1, e-mail registration will be blocked. Registration is thereafter only possible at the meeting. The on-site meeting fee is however considerably higher (see website www.enmeeting.nl). After May 15, hotel accommodation should be arranged by directly contacting Ms. Kitty Lamers at the Parkhotel 'De Branding'. If still available, she will offer you the room prizes as indicated below. **Early registration** guarantees a room in the meeting site Parkhotel De Branding. **Late registration** may lead to placement in Hotel Nol in 't Bosch (see www.enmeeting.nl). This hotel is close by, a shuttle service will be available between 08.00 and 00.30 h. Transport takes 10 min.

Submission of abstracts

Those who wish to present a poster at the meeting have to submit an English-written abstract. Poster sessions are on

Tuesday June 4 (Endocrinology), on Wednesday June 5 and Thursday June 6 (Neuroscience 1 and 2) and on Friday June 7 (Cognitive and Behavioral Neurosciences). **Abstracts can only be submitted electronically, deadline for the submission is April 1, 2002.** Instructions on submission are provided on the instruction page. Abstracts submitted without registration of the presenting author (before May 1) will not be handled. For those that would like to present a poster during the **Cognitive and Behavioral Neuroscience session on Friday 7, the possibility exist to alternatively present the data orally** in a free communication session on that day. If you opt for this (see registration form), the program committee will make a final selection on the basis of the abstracts. You will receive an e-mail whether or not your work is selected. Schedule of the free communication session will be published on this website before 1 May 2002.

Registration desk

At the meeting, the registration desk will be open on Tuesday June 4 from 09.00-13.00 h, and on Wednesday, Thursday and Friday June 5-7 from 08.00-13.00 h.

Costs

Registration fees are listed below. Prizes upon electronic registration before May 1 are also indicated on the registration form on the website www.enmeeting.nl/en/en2002. Members of the Netherlands Society for Endocrinology are offered a discount of EUR 20 for the 2-day Endo package, members of the Neurofederation for the 2-day Neuro or Psycho package. Discount is enjoyed only once. Attendance for the full 4-day meeting provides an additional EUR 20 discount irrespective memberships. A reduced day fee is offered to predoctoral students. It requires identification with the 'collegekaart' at the registration desk during the meeting. If not shown, the routine fee is charged on the spot.

Day	EUR 45
Day (predoctoral students)	EUR 25
Dinner	EUR 25
Single room	EUR 55
Double room (indicate your room mate)	EUR 35
Endo package (for NVE members only)	
(single room day 1 and 2, incl. dinner day 1)	EUR 150
(double room day 1 and 2, incl. dinner day 1)	EUR 130
Neuro package (for Neurofederation members only)	
(single room day 2 and 3, incl. dinner day 2)	EUR 150
(double room day 2 and 3, incl. dinner day 2)	EUR 130
Psycho package (for Neurofederation members only)	
(single room day 3 and 4, incl. dinner day 3)	EUR 150
(double room day 3 and 4, incl. dinner day 3)	EUR 130
Full meeting package	
(single room)	EUR 420
(for NVE and Neurofederation members)	EUR 400
(double room)	EUR 360
(for NVE and Neurofederation members)	EUR 340

See for more detailed prizes and payment and cancellation conditions the meeting web site <http://www.enmeeting.nl/en/en2002>.

Cancellation

The total amount of registration and accommodation costs can be restituted if cancellation is done by e-mail to the address enmeeting@hetnet.nl before 15 May 2002. Refunds for cancellations received after 15 May and before Friday 1 June 2002 will only be made in exceptional circumstances. Substitute participations will be accepted.

INSTRUCTIONS FOR PRESENTATIONS

Language

The official language of oral and poster presentations at the meeting is English.

Abstracts

All oral and poster presenters are requested to submit an English-written abstract for publication in the program booklet.

Deadline for submission is April 1, 2002.

The abstract can only be submitted electronically, preferably as attachment to an e-mail, but a s-mail with a floppy disk (MS-DOS-format) will do as well. The secretariat can only handle files in MS-Word and Wordperfect MS-DOS format, not Mac format.

As attachment, it **should be e-mailed to the abstract handling secretariat** on the address enmeeting@hetnet.nl with 'EN2002 abstract' mentioned in the subject box.

When mailed on floppy disc, it can be sent to Ms. Tini Eikelboom, Netherlands Institute for Brain Research, Meibergdreef 33, 1105 AZ Amsterdam ZO, The Netherlands. Receipt of your abstract will be confirmed by e-mail after proper import by the abstract handling secretariat.

Lay-out of the abstracts should be as follow: title, presenting author in italics, asterisk(s) for various collaborating groups, dots following abbreviations, body text not exceeding 300 words and at the bottom your name and affiliation, finally whether you are a speaker in session # or a poster presenter in the session of your choice.

Example:

The influence of exercise on functional recovery of spinal cord-injured rats
K.N. Aag, J. Rolstoelie*, F.T.J. Accord**
Dept. of Neuroregeneration, Univ. of Leiden, Leiden, *Orthopedic Clinic, AZL, Leiden, **Dept. of Anatomy, Free University, Brussels, Belgium

The failure of significant spontaneous recovery following text should not exceed 300 words.

Karin N. Aag, Department of Neuroregeneration, University of Leiden, Postbus 2000, 2000 NO Leiden, t 071 1234 5678, e-mail knaag@leidenuniv.nl

indicate here the session number if are a speaker or the poster session of your choice (and whether you opt for selection of an oral communication; for poster session Cogn&Beh only).

Please note once more that the **body text of your abstract should not exceed 300 words**, otherwise it will be published in truncated form. For abstracts of poster presentations **it is very important to mark** the poster session of choice:

Endocrinology on Tuesday June 4, Neuroscience 1 on Wednesday June 5, Neuroscience 2 on Thursday June 6 or Cognition & Behavioral Neuroscience on Friday June 7. For those presenting a poster in the session on Cognitive and Behavioral Neuroscience, there is an **option** for an oral communication (see choice on the website Registration form). The program committee Cognitive & Behavioral Neurosciences will make a selection from the poster abstracts. You will receive an e-mail about this final selection which will be published on the Friday program page of this website before 1 May 2002.

Oral presentations

Oral presentation times are **either 15, 30 or 45 min, all including discussion time**. Presentation times are indicated between brackets on the program pages. The moderator of your session will help you keeping your presentation within the allotted time frame.

In all lecture rooms, **beamer projectors** but no laptops are available. The moderator of the session will provide the laptop facility. The organization would like to **stimulate the use of PowerPoint presentations in all sessions** since slide projectors are only available on request.

Ideally **all PowerPoint presentations of a session should be loaded on one laptop** so that no re-plugging is needed between the talks. For smooth projections via the beamer, presenters are therefore requested to contact the moderator of the session so that the files can be loaded on a single laptop computer. A CD-ROM will do, but make sure that the CD-ROM is 'closed' for uncompromised reading in all types of CD-ROM players.

All speakers that cannot escape presenting their data on **slides** are kindly requested to send a message to the meeting secretariat enmeeting@hetnet.nl, so that the organization can arrange a slide projector for your talk.

Poster presentations

The poster session **Endocrinology** will be held on Tuesday June 4 between 13.00-15.00 h (during which lunch will be served). Posters can be mounted from 09.30 h onwards, and have to be removed before Wednesday June 5 08.30 h.

The poster session **Neuroscience 1** is scheduled on Wednesday June 5 between 14.00-15.30 h. These posters can already be mounted from 08.30 h onwards, and have to be removed before Thursday June 7 08.30 h.

The poster session **Neuroscience 2** is scheduled on Thursday June 6 between 10.00-11.30 h. These posters can already be mounted from 08.30 h onwards, and have to be removed before Friday June 7 08.30 h.

The poster session **Cognitive and Behavioral Neuroscience** is scheduled on Friday June 7 between 10.00-11.30 h. These posters can be mounted on from 08.30 h onwards, and have to be removed at the end of the meeting.

Poster boards are sized 100 cm wide x 120 cm high.

Posters are mounted using drawing pins, which are available at the poster session site.

Poster awards

For the Endocrinology, Neuroscience 1/2 and Cognition and Behavior poster sessions two posters will be awarded for presentation and quality. Poster selection committees appointed by the three scientific program committees will announce the winners in **Poster Award Ceremonies** that will be held during the dinner of 4 June (Endocrinology), after the 'Hersenstichting' lecture on 6 June (Neuroscience 1 and 2 combined) and after the plenary session before lunch on June 7 (Cognition and Behavior).

Electronic registration only

Find the electronic registration form on the website of the 6th Dutch Endo-Neuro Meeting 2002 at the URL address <http://www.enmeeting.nl/en/EN2002>.

PROGRAM TUESDAY 4 JUNE 2002

09.00 Registration

09.00 Posters Session Endocrinology to be mounted

10.15 Opening

10.30

OPENINGS ENDOCRINOLOGY KEYNOTE LECTURE

Chairperson: Paul Lucassen (Amsterdam)

Jonathan Seckl (Edinburgh, UK)

11 β -Hydroxysteroid dehydrogenase type 1: a new approach to the metabolic syndrome

11.15 Break

11.30 Parallel sessions 1-3

THE HYPOTHALAMUS-PITUITARY-GONADAL AXIS AND METABOLISM

(sponsored by BCN, Groningen)

Moderators: Eline van der Beek (Wageningen) and

Esther van de Wall (Groningen)

Clive Coen (London, UK)

CNS regulation of LH release (30)

Evelien van Dam (Amsterdam)

LH secretion in response to caloric restriction in obese women with polycystic ovary disease (15)

Esther van de Wall (Groningen)

The nutritional state and reproductive functioning (15)

Anneliek Franke (Wageningen)

Leptin and polycystic ovary disease (15)

PITUITARY-DEPENDENT HYPERADRENOCORTICISM (PDH)

(sponsored by Graduate School Animal Health, GSAH)

Moderators: Hans Kooistra and Björn Meij (Utrecht)

Hans Kooistra (Utrecht)

Correlation between impairment of glucocorticoid feedback, plasma concentrations of ACTH precursors and the size of the pituitary gland in dogs with PDH (15)

Nico Schoenmaker (Utrecht)

Hyperadrenocorticism in the ferret (15)

Rosalinda van der Vlugt-Meijer (Utrecht)

Imaging of the canine and feline pituitary gland (15)

Wouter de Herder (Rotterdam)

Optimizing the results of transphenoidal pituitary surgery in humans with Cushing's disease (30)

Björn Meij (Utrecht)

Transsphenoidal hypophysectomy for treatment of PDH in dogs and cats (15)

FETAL ORIGIN OF ADULT DISEASE

Moderator: Henriette Delemarre-van de Waal (Amsterdam)

Bertie Lumey (New York, NY, USA)

Prenatal nutrition and adult disease (30)

Michel Aubert (Geneva, Switzerland)

Metabolic sequelae of intrauterine malnutrition in the rat (15)

Mirjam van Weissenbruch (Amsterdam)

Metabolic sequelae of a low birth weight in children (15)

Joost Bakker (Utrecht)

Metabolic imprinting by dexamethasone in the rat (15)

Roel Bolt (Amsterdam)

The pituitary adrenal axis in children born small for gestational age (15)

13.00

POSTER SESSION ENDOCRINOLOGY (including lunch)

15.00

PLENARY SESSION 4

Chairperson: Hanno Pijl (Leiden)

Richard Wurtman (Boston, MA, USA)

(sponsored by Numico Research, Wageningen)

Neuroendocrinology of food choice

Floor van Leeuwen (Amsterdam)

Risk and prognosis of endometrial cancer following tamoxifen treatment for breast cancer

16.00 Break

16.30 Parallel sessions 5-8

HORMONAL AND METABOLIC EFFECTS OF FOOD SUPPLEMENTS

Moderator: Arie Nieuwenhuizen (Wageningen)

(sponsored by Numico Research, Wageningen)

Arie Nieuwenhuizen (Wageningen)

Research on food supplements (15)

Peter Wielinga (Groningen)

Hormonal and metabolic effects of hydroxycitrate (15)

Eva Kovacs (Maastricht)

Hydroxycitrate reduces de novo lipogenesis in humans (15)

Peter Wijtten (Rotterdam)

Food supplements in animal diets (15)

N.N. Wong (Nijmegen)

Folic acid supplements and male reproduction (15)

Monique Mars (Wageningen)

title not yet available (15)

TOWARDS THERAPY FOR HORMONAL CANCERS

Moderator: Leen Blok (Rotterdam)

Gerald Mickisch (Rotterdam)

New aspects of hormone therapy for prostate cancer (30)

Mike Grossmann (Rochester, MN, USA)

Immunotherapy for prostate cancer (30)

Eline Hanekamp (Rotterdam)

Progesterone receptor and invasion of endometrial cancer (15)

CLINICAL AND EXPERIMENTAL MUTATIONS IN HORMONES AND RECEPTORS RELATED TO THYROID FUNCTION

Moderators: Theo Visser (Rotterdam) and Marianne Everts (Utrecht)

program not yet available

TYPE 1 DIABETES: CLINICAL IMPACT OF BASIC RESEARCH

Moderator: Bart Roep (Leiden)

Bart Roep (Leiden)

The pathogenesis of type 1 diabetes: how to resist an indecent proposal (30)

Ralph Kupda (Utrecht)

Bipolar disorders: thyroid autoimmunity and autoreactive T-cells (15)

Wai Kwan Tse (Rotterdam)

Autoantibodies to neuroendocrine tissues in type 1 diabetes (15)

Jeroen Visser (Groningen)

Early dietary changes and the influence on development of diabetes (15)

Astrid van Halteren (Leiden)

Modulation of dendritic cells in type 1 diabetes (15)

18.00 NVE annual member meeting

19.00 Dinner including **Endocrinology Poster Award Ceremony**

21.15

'LAQUEUR' LECTURE

Chairperson: Hans Romijn (Leiden)

(sponsored by Organon B.V., Oss)

Ad Rijnberk (Utrecht)

Endocrine diseases in dogs and cats, similarities and discrepancies with endocrine diseases in humans

22.00 Drink (offered by Organon B.V., Oss)

PROGRAM WEDNESDAY 5 JUNE 2002 (1)

08.00 Registration

08.00 Posters Session Neuroscience 1 to be mounted

08.30

NVE TEACHING SESSION ON MOLECULAR BIOLOGY OF HORMONE ACTION

Chairperson: Hans Romijn (Leiden)

Ton Maassen (Leiden)

Insulin (30)

Wilmar Wiersinga (Amsterdam)

Thyroid hormones (30)

Albert Brinkman (Rotterdam)

Androgens (30)

10.00 Break

10.30 Parallel sessions 10-13

TOO MUCH BONE. WHAT DO WE KNOW? WHERE DO WE GO?

Moderator: Neveen Hamdy (Leiden)

Neeven Hamdy (Leiden)

Too much bone: a bird's eye view of sclerosing bone disorders (30)

Clemens Löwik (Leiden)

What do we know? Implications of newly discovered osteosclerotic genes (30)

Socrates Papapoulos (Leiden)

Where do we go? Potential osteoporosis therapies: the future (30)

MELATONIN

Moderator: Dries Kalsbeek (Amsterdam)

Mireille Masson-Pèvet (Strasbourg, France)

Melatonin and its receptors (30)

Jörg Stehle (Frankfurt, Germany)

Molecular biology of the neuroendocrine pineal gland (30)

Frank Scheer (Amsterdam)

Melatonin and hypertension (15)

Rixt Riemersma (Amsterdam)

Melatonin and dementia (15)

STRESS AND DEPRESSION 1

Moderators: Erno Vreugdenhil (Leiden), Marian Joëls and Witte

Hoogendijk (Amsterdam)

Nick Barden (Ste-Foy, Canada)

Glucocorticoid receptors, their responsive genes and depression (45)

Dorine Feldker (Leiden)

Screening for differentially expressed genes in an animal model for depression (15)

Els van Riel (Amsterdam)

Changes in serotonergic transmission in animal models for hypercortisolism (15)

Gerben Meynen (Amsterdam)

Vasopressin in the supraoptic nucleus of depressed patients (15)

MODERN TECHNIQUES IN ENDOCRINOLOGY AND NEUROSCIENCE

Moderators: Fred van Leeuwen and Cyriel Pennartz (Amsterdam)

Fritjof Helmchen (Heidelberg, Germany)

Multiphoton microscopy and its applications (30)

Kees Jalink (Amsterdam)

Using FRET to read out intracellular signals (30)

Ronald Plasterk (Utrecht)

RNA interference (30)

12.00 Lunch

13.30

PLENARY SESSION ON GENETIC POLYMORPHISM AND DISEASE

(sponsored by Applied Biosystems/Celera)

Chairperson: Erno Vreugdenhil (Leiden)

Steve Picton (City, UK)

Millions of single nucleotide polymorphisms in the human genome: what do they mean? (30)

André Uitterlinden (Rotterdam)

Genetics of osteoporosis: population-based screening of candidate genes (30)

14.30

POSTER SESSION NEUROSCIENCES 1 (including break)

(sponsored by Elsevier, Amsterdam)

16.00

'MARIUS TAUSK' LECTURE

(sponsored by Organon B.V., Oss)

Chairperson: Ron de Kloet (Leiden)

Florian Holsboer (Munich, Germany)

From stress physiology to novel therapies of stress-related diseases

16.45 Break

PROGRAM WEDNESDAY 5 JUNE 2002 (2)

17.00 Parallel sessions 15-18

SYNAPSE PHYSIOLOGY AND NEURONAL NETWORK FUNCTIONING 1

Moderators: Arien Brussaard and Wytse Wadman (Amsterdam)

Ole Paulsen (Oxford, UK)

Network oscillations and synaptic plasticity in the hippocampus (45)

Laurens Bosman (Amsterdam)

Postsynaptic GABA_A receptor plasticity in relation to the critical period of the visual system (15)

Martin Verkuyl (Amsterdam)

Presynaptic GABAergic changes as a consequence of ADX (15)

Michele Sons (Leiden)

Munc18-1 is a positive regulator of neurotransmitter release in the mouse neuromuscular junction (15)

DEVELOPMENT AND FUNCTION OF mesDA SYSTEM

Moderator: Martin Smidt (Utrecht)

Marten Smidt (Utrecht)

Role of the homeodomain gene Ptx3 in the development and function of the mesencephalic DA system (30)

Mirjam Gerrits (Utrecht)

Implication of the mu-opioid system for the mesDA theory of addiction (15)

Simone Smits (Utrecht)

Dopamine dynamics of the mesDA system (15)

Misha de Rover (Amsterdam)

Changes of the mesDA system projections lead to changes in synaptic circuitry in striatal areas (15)

NEUROGENOMICS

Moderator: Guus Smit (Amsterdam)

Hadriano Lacerda (Amsterdam)

Genomics of human schizophrenia (30)

Marc Coolen (Nijmegen)

Genomics of schizophrenia in animal models (15)

Edwin Jacobs (Amsterdam)

Genomic responses of active heroin administration (15)

Nicole Datson (Leiden)

Glucocorticoid-responsive genes in the hippocampus (15)

Kawan Li (Amsterdam)

Proteomics of the postsynaptic density (15)

SPINAL CORD DISORDERS AND REPAIR 1 - ASPHYXIA AND OXIDATIVE STRESS

Moderators: Wilma van de Berg and Bert Joosten (Maastricht)

Hans Vles (Maastricht)

Clinical aspects of spinal cord disorders (15)

Huseyin Mehmet (London, UK)

Oxidative stress, apoptosis, perinatal brain injury (30)

Liselijn Wisman (Utrecht)

Fibroblasts over-expressing catalase to protect motoneurons in amyotrophic lateral sclerosis from oxidative stress (15)

Cacha Peeters (Utrecht)

Pharmacotherapeutical reduction of post-hypoxic-ischemic brain injury in the newborn (15)

Anton de Louw (Maastricht)

Apoptosis in the spinal cord during postnatal development: the effect of perinatal asphyxia on program cell death (15)

19.00 Dinner

21.15

'NEUROFEDERATIE' LECTURE

(sponsored by Elsevier, Amsterdam)

Chairperson: Lex Cools (Nijmegen)

Gert Holstege (Groningen)

Neurobiology of reproduction

Electronic registration only

Find the electronic registration form on the website of the 6th Dutch Endo-Neuro Meeting 2002 at the URL address <http://www.enmeeting.nl/en/EN2002>.

PROGRAM THURSDAY 6 JUNE 2002 (1)

08.00 Registration

08.00 Posters Session Neuroscience 2 to be mounted

08.30 Parallel sessions 19-22

STRESS AND DEPRESSION 2

Moderators: Erno Vreugdenhil (Leiden), Marian Joëls and Witte Hoogendijk (Amsterdam)

Ron de Kloet (Leiden)

Stress and depression: rationale for novel treatment strategies (30)

Jantien Brouwer (Amsterdam/Rotterdam)

Glucocorticoid receptor polymorphisms in depression (15)

N.N. (Utrecht)

Clinical aspects of stress and depression (15)

Ard Peeters (Oss)

Clinical trials of anti-glucocorticoids in depression (30)

SYNAPSE PHYSIOLOGY AND NEURONAL NETWORK FUNCTIONING 2

Moderator: Christian Hansel (Rotterdam)

Egidio D'Angelo (Pavia, Italy)

Plasticity and computation at the mossy fiber-granule cell relay: implications for cerebellar function (30)

Alain Artola (Utrecht)

Metaplasticity: physiology and pathology (15)

Ype Elgersma (Los Angeles, CA, USA/Rotterdam)

Importance of inhibitory auto-phosphorylation of a CaMKII in synaptic plasticity and hippocampal learning (15)

Geert Ramakers (Utrecht)

The role of potassium channels in synaptic transmission and plasticity (15)

Christian Hansel (Rotterdam)

Long-term depression at the climbing fiber-Purkinje cell synapse in the cerebellum (15)

SPINAL CORD DISORDERS 2 - GLIAL SCARRING, TRANSPLANTATION AND REPAIR AFTER INJURY

Moderators: Bert Joosten (Maastricht) and Gerard Boer (Amsterdam)

James Fawcett (Cambridge, UK)

The glial scar and central nervous system regeneration (30)

Fred de Winter (Amsterdam) - Semaphorin responses following motoneuron axonal crush (15)

Ronald Deumens (Maastricht)

Transplantation of olfactory ensheathing cells in experimental spinal cord injury (15)

Marc Jan Ruitenber (Amsterdam)

Transduced olfactory ensheathing glia as implants for neuroregeneration of the rubrospinal tract (15)

Henk van de Meent (Nijmegen)

Introduction in the European multicenter study of spinal cord injury (15)

PROTEIN METABOLISM AND PROTEIN QUALITY CONTROL IN NEURODEGENERATIVE DISEASES

Moderators: Elly Hol and David Fischer (Amsterdam)

Erich Wanker (Berlin, Germany)

Formation of polyQ-containing protein aggregates in Huntington's disease: implications for therapy (30)

Ineke Braakman (Utrecht)

Protein folding and molecular chaperones (15)

Liesbeth Dubelaar (Amsterdam)

Lower neuronal metabolic activity in nucleus basalis neurons as a risk factor for Alzheimer's disease (15)

Esther van Herpen (Rotterdam)

The effect of tau mutations in frontotemporal dementia (15)

Renske van Dijk (Amsterdam)

Proteomics on Alzheimer-associated mutant ubiquitin expression (15)

10.00

POSTER SESSION NEUROSCIENCES 2 (including break)
(sponsored by Elsevier, Amsterdam)

11.30 Parallel sessions 23-26

SYNAPSE PHYSIOLOGY AND NEURONAL NETWORK FUNCTIONING 3

Moderators: Wytse Wadman and Arjen Brussaard (Amsterdam)

Gina Turrigiano (Boston, MA, USA)

Global synaptic scaling regulates intrinsic excitability in response to locally induced synaptic plasticity (30)

Aren Borgdorff (Bordeaux, France)

AMPA receptor mobility in the neuronal membrane (30)

Stefano Taverna (Amsterdam)

Glutamate induced metaplasticity in the nucleus accumbens (15)

Ingrid van Welie (Amsterdam)

Overall synaptic activity controls intrinsic excitability by adaptation of K⁺ currents (15)

STEM CELLS IN THE ADULT BRAIN

Moderators: Ineke van der Zee (Nijmegen) and Paul Lucassen (Amsterdam)

Paul Lucassen (Amsterdam)

Neurogenesis in the adult brain (15)

Vivi Heine (Amsterdam)

Age- and stress-related changes in new cell proliferation, survival and apoptosis in the rat dentate gyrus (15)

Karin van der Borcht (Groningen)

Effects of associative learning on hippocampal neurogenesis (15)

Gerd Kempermann (Berlin, Germany)

Environmental enrichment and neurogenesis (45)

COGNITIVE DYSFUNCTIONS IN PARKINSON'S DISEASE

Moderators: Eric Wolters and Henk Groenewegen (Amsterdam)

Moussa Youdim (Haifa, Israel)

Neurological basis for cognitive deficits in Parkinson's disease (30)

Diederik Stoffers (Amsterdam)

Neuropsychological aspects of Parkinson's disease; implications for an early diagnosis I (15)

Henk Berendse (Amsterdam)

Olfactory deficits in Parkinson's disease; implications for an early diagnosis II (15)

Jan Booij (Amsterdam)

Dopamine imaging and cognition in Parkinson's disease (15)

Jos Prickaerts (Maastricht)

Effects of 5-HT_{2A} receptor ligands on cognitive and motor behavior in rats with bilateral striatal 6-OHDA lesions (15)

ANIMAL MODELS OF NEUROPSYCHIATRIC DISORDERS

Moderators: Berend Olivier and Anneloes Dirks (Utrecht)

Richard Paylor (Houston, TX, USA)

Mutant mouse models for neuropsychiatric traits (30)

Tommy Pattij (Utrecht)

5-HT_{1A} receptor knockout mice and anxiety (15)

Roger Adan (Utrecht)

Activity-based anorexia, an animal model for anorexia nervosa (15)

Matthijs Feenstra (Amsterdam)

D₄ dopamine receptors and prefrontal cortex function (15)

Anneloes Dirks (Utrecht)

CRH-overexpressing mice: animal model for depression? (15)

13.00 Lunch

PROGRAM THURSDAY 6 JUNE 2002 (2)

14.00

'HERSENSTICHTING' LECTURE

(sponsored by Hersenstichting Nederland)
Chairperson: Benjamin Drukarch (Amsterdam)

Moussa Youdim (Haifa, Israel)
cDNA microarray gene expression for studying the processes of neurodegeneration and neuroprotection

followed by **Neuroscience 1/2 Poster Award Ceremony**

14.45 Break

15.00 Parallel sessions 27-30

SOMATIC DISEASES AND EMOTIONS: PSYCHOGENIC AND PATHOPHYSIOLOGICAL ASPECTS

(sponsored by BCN, Groningen)
Moderators: Jaap Korf and Gieta van der Pompe (Groningen)
Robbert Sandeman (Groningen)
Long-term adaptation of the chronically ill persons (30)
Mattie Tops (Groningen)
Cortisol and emotions (15)
Cobi Heijnen (Utrecht)
Disturbed neuroendocrine-immune interactions in chronic fatigue syndrome (15)
Sacha Russo (Groningen)
Psychopathology of tryptophan (15)
Gieta van de Pompe (Groningen)
Cytokines, depression and chronic somatic disease (15)
Annemieke Kavelaars (Utrecht)
Individual differences in behavior correlate with differences in angiogenesis, experimental tumor cell metastasis and tumor growth (15)

BRAIN PLASTICITY - THE EPILEPSY EXPERIENCE

Moderator: Frans Leijten (Utrecht)
Robert Sloviter (Tucson, AZ, USA)
Cell loss and synaptic reorganization in temporal lobe epilepsy, a critical appraisal and future directions (30)
Jan Gorter (Amsterdam)
Abnormal plasticity in a rat model for mesial temporal lobe epilepsy (15)
Robbert Notenboom (Utrecht)
Altered glutamatergic transmission in the hippocampus of patients with temporal lobe epilepsy (15)
Pauly Ossenblok (Heeze)
Relocation of the sensory hand representation in frontal lobe epilepsy - a MEG study (15)
Willem Alpherts (Heemstede)
Dynamic effects of epilepsy surgery on verbal memory (15)

DRUG ADDICTION

Moderator: Ton Schoffelman (Amsterdam)
Gaetano Di Chiara (Cagliari, Italy)
Addiction: an associative learning process (30)
Liesbeth Reneman (Amsterdam)
XTC abuse: neuroimaging in humans (15)
August Smit (Amsterdam)
Addiction behavior: molecular neuroplasticity (15)
Taco de Vries (Amsterdam)
Towards a pharmacotherapy of relapse behavior (15)
Ton Schoffelman (Amsterdam)
Drug addiction and brain-behavior relationships (15)

FUNCTIONAL PARAMETERS IN FOCAL ISCHEMIA

Moderator: Erik Hoff (Maastricht)
Courtney de Vries (Columbus, OH, USA)
Cognitive and behavioral assessment in experimental stroke (30)
Robin Roof (Ann Arbor, MI, USA)
Comparison of long-term functional outcome after two versions of rat MCAO (15)
Wouter Veldhuis (Utrecht)
NMR parameters after pharmacological interventions in focal ischemia (15)
Borje Bjelke (Stockholm, Sweden)
Functional recovery after brain lesions: behaviour analysis and fMRI (30)

16.30 Break

17.00 Parallel sessions 31-34

UNDERSTANDING EPISODIC MEMORY: CONTRIBUTIONS FROM ANIMAL AND HUMAN RESEARCH

Moderator: Lucia Talamini (Amsterdam)
Malcolm Brown (Bristol, UK)
The perirhinal cortex and object recognition (30)
Eddy van der Zee (Groningen)
Memory for time-place associations in mice (15)
Martijn Meeter (Amsterdam)
A model of parahippocampal-hippocampal interactions in memory (15)
Willem Machielsen (Amsterdam)
Differentiating MTL regions involved in memory for objects and places using fMRI (15)

NEUROCOGNITIVE DYSFUNCTION IN SCHIZOPHRENIA

(sponsored by BCN, Groningen)
Moderator: Hans den Boer (Groningen)
Fritz Henn (Mannheim, Germany)
Sensory information processing in schizophrenia: a fMRI study (30)
André Aleman (Utrecht)
Neurocognitive dysfunction and auditory hallucinations (15)
Annelies Broerse (Groningen)
Antisaccades as a sensitive measure for the detection of cognitive dysfunction in schizophrenia (15)
Machteld Marcelis (Maastricht) invited
title not yet available (15)

NEUROPSYCHOLOGY OF EMOTION

Moderator: Edward de Haan (Utrecht)
Richard Davidson (Madison, USA)
New substrates of affective style (30)
Edward de Haan (Utrecht)
Impairments of facial expression perception (30)
Jack van Honk (Utrecht)
Magnetic transcranial stimulated modulation of fear and fright (15)
Bea de Gelder (Tilburg)
Interaction of visual and auditory emotion perception (15)

FREE COMMUNICATIONS - DEVELOPMENTS IN NEUROCOGNITION

(to be completed after 15 April 2002)

19.00 Dinner

21.15

PLENARY EVENING BEHAVIOR LECTURE

Chairperson: Herman Kolk (Nijmegen)
Dorret Boomsma (Amsterdam)
Genes, cognition and behavior

PROGRAM FRIDAY 7 JUNE 2002

08.00 Registration

08.00 Posters Session Cognitive and Behavioral Neuroscience to be mounted

08.30 Parallel sessions 35-37

INTERSENSORY INTEGRATION BETWEEN VISION AND AUDITION

Moderator: Beatrice de Gelder (Tilburg)

Beatrice de Gelder (Tilburg)

Introduction (15)

Jyrki Tuomainen (Helsinki, Finland)

Audiovisual perception: is speech special? (15)

Gilles Pourtois (Tilburg)

Natural and arbitrary audiovisual pairings have different neuroanatomical integration sites (15)

Sjakko de Jong (Tilburg)

Selective deficits of audiovisual integration in schizophrenia (15)

Nouchine Hadjikhani (Boston, Massachusetts, USA)

Temporal and spatial determinants of audiovisual integration (30)

BRAIN MECHANISMS IN ALZHEIMER'S DISEASE AND RELATED CONDITIONS

Moderator: Frans Verhey (Maastricht)

Philip Scheltens (Amsterdam)

MRI in dementia: beyond exclusion (30)

Serge Rombouts (Amsterdam)

fMRI in Alzheimer's disease (15)

Pieter Jelle Visser (Maastricht)

Temporal lobe atrophy, apo-e and other biomarkers for Alzheimer's disease (15)

Pauline Aalten (Maastricht)

Behavioral problems in dementia and the relationship with prefrontal structures (15)

Jan Kees de Groot (Rotterdam/Groningen)

White matter lesions, old age depression and cognition (15)

FREE COMMUNICATIONS - DEVELOPMENTS IN CLINICAL NEUROSCIENCES

(to be completed after 15 April 2002)

10.00

POSTER SESSION COGNITIVE AND BEHAVIORAL NEUROSCIENCES (including break)

11.30

PLENARY SESSION 38

Chairperson: Edward de Haan (Utrecht)

Jelle Jolles (Maastricht)

Cognitive disorders and biology-environment interactions (30)

Peter Hagoort (Nijmegen)

How the brain solves the binding problem for language (30)

followed by **Cognition and Behavior Poster Award Ceremony**

12.30 Lunch

13.30 Parallel sessions 39-41

GENETIC INFLUENCES ON BRAIN MORPHOLOGY

Moderator: H. Hulshoff Pol (Utrecht)

Wim Baare (City, Denmark)

Genetic factors influencing variation in human brain morphology in schizophrenia and in healthy subjects (30)

Danielle Posthuma (Amsterdam)

Genetic analysis of human brain structure in the extended twin design (15)

Sarah Durston (Utrecht)

The influence of genes on brain morphology in ADHD (15)

Xavier Chitnis (London, UK)

Mapping the effects of genetic changes with neuroimaging? (30)

BRAIN AGING AND COGNITIVE PERFORMANCE

Moderator: Jelle Jolles (Maastricht)

Lars Nyberg (Umeå, Sweden)

Age-related changes in cognitive function, brain structure and brain function (30)

Mariska den Hartog (Maastricht)

On the relationship between information processing and mood in the Maastricht Aging Study (MAAS) (15)

Miranda Dik (Amsterdam)

Insulin-like growth factor 1 and cognitive decline in elderly: data from the Longitudinal Aging Study Amsterdam (LASA) (15)

Niels Prins (Rotterdam)

Homocysteine MRI findings and community dwelling elderly (15)

Danielle Tisserand (Maastricht)

Brain imaging, the frontal cortex and cognitive aging (15)

FREE COMMUNICATIONS – DEVELOPMENTS IN CHILD NEUROPSYCHOLOGY

(to be completed after 15 April 2002)

15.00 Break

15.30 Parallel sessions 42-44

FRONTO-TEMPORAL DYSFUNCTION IN NEURODEGENERATIVE DISEASE

Moderator: Berry Kremer (Nijmegen)

Julie Snowden (Manchester, UK)

Neuropsychological characteristics of fronto-temporal dementia (30)

Gerry de Boo/Aad Tibben (Leiden) invited

Early cognitive changes in gene carriers of Huntington's disease (15)

Paul Naarding (Rotterdam/Nijmegen) invited

Psychiatric aspects of vascular dementia (15)

Albert Leentjens (Maastricht) invited

Depression and Parkinson's disease (15)

John van Swieten (Rotterdam)

New molecular defects in families with frontotemporal dementia (15)

IMAGING THE DYNAMICS OF NEUROCOGNITION

Moderator: Peter Hagoort (Nijmegen)

Pascal Fries (Nijmegen)

Attention makes waves in the brain (30)

Marcel Bastiaansen (Nijmegen)

The waves of language: oscillatory brain dynamics during sentence processing (15)

Bas Bloem (Nijmegen)

Repetitive transcranial magnetic stimulation: a exciting technique to excite the brain (15)

David Norris (Nijmegen)

Diffusion tensor imaging and brain connectivity (30)

FREE COMMUNICATIONS– DEVELOPMENTS IN BIOPSYCHOLOGY

(to be completed after 15 April 2002)

17:00 Closure

Electronic registration only

Find the electronic registration form on the website of the 6th Dutch Endo-Neuro Meeting 2002 at the URL address <http://www.enmeeting.nl/en/EN2002>.