

FIFTH DUTCH ENDO-NEURO MEETING



Parkhotel 'De Branding'
'Doorwerth'
5-7 June 2001

www.enmeeting.nl

Organization committee

Onno Bakker (AMC, UvA, Amsterdam)
Leen Blok (EUR, Rotterdam) *treasurer*
Gerard Boer (NIH, Amsterdam)
Jan Buitelaar (UMC, Utrecht)
Marjan Everts (UU, Utrecht)
Rob Heinsbroek (NWO-MW, Den Haag) *committee secretariat*
Gert ter Horst (RUG, Groningen) *president*
Jelle Jolles (UM, Maastricht)
Berry Kremer (UMC St. Radboud, Nijmegen)
Hanno Pijl (LUMC, Leiden)
Wim Scheenen (KUN, Nijmegen)
Anton Scheurink (RUG, Groningen)
Guus Smit (VU, Amsterdam)
Harry Steinbusch (UM, Maastricht)

Secretariat registration

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Secretariat abstracts

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Text of web site www.enmeeting.nl/en/EN2001
(version 2 April 2001)

WELCOME

Dear colleague(s),

We welcome you on the official web site of the Dutch Endo-Neuro Meeting 2001 (EN2001). For the 5th consecutive year we will organize the Endo-Neuro Meeting under auspices of the Netherlands Society of Endocrinology (NVE), the Dutch Neurofederation and the Council for Medical and Health Research of the Netherlands Organization for Scientific Research (NWO-MW). The Meeting will again be held in Parkhotel 'De Branding' in Doorwerth (NL) on the dates June 5-7.

On this site you will find the time table of the 3-day program, including titles of lectures and names of speakers for the various parallel sessions, as well as the names and titles of the lectures of the invited speakers in the plenary sessions. The enthusiasm of participants of previous EN-meetings, has led to submission of a considerable number of session proposals from which the organizing committee was able to compose the present challenging program. We would like to thank all the colleagues who submitted these proposals and thus have facilitated our task.

The sessions scheduled in EN2001 will provide senior investigators as well as PhD-students insight into clinical and pre-clinical research advancements in various fields of endocrinology and neuroscience. Several well-known invited speakers will give overviews of research developments and future prospects in the various plenary lectures as well as in the more specialized parallel sessions. Overall, more than 30 main speakers were invited for the plenary and parallel sessions of EN2001. A considerable amount of time in the program is reserved for contributions of junior investigators. At least two Ph.D-students were invited for oral presentations in nearly all of the specialized parallel sessions and for all other Ph.D-students and senior investigators we provide possibilities for submission of an abstract for the poster sessions.

This year again the organizing committee would like to acknowledge the generous financial support of NWO-MW, and the NVE as well as that of other sponsors. Without their support, we would not have been able to organize this EN2001. For the first time we will provide registration packages with reduced registration fees for members of the NVE and the Neurofederation. All information for registration and submission of abstracts can be found on this website.

Looking forward to meeting you in Doorwerth,

Gert J. ter Horst
(chairman organizing committee EN2001)

REGISTRATION AND COSTS

Registration

Registration should preferably be done by the electronic registration form on the web site <http://www.enmeeting.nl/en/en2001>. Deadline for registration is May 1, 2001. 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 the Postbank account 7905966 of the Endo-Neuro Meeting in Rotterdam. Only when your meeting fee is received by the deadline of May 15, reservations can be made definitive. Please make sure that the payment is identifiable for the organizers as transferred by you as registrant (the practice of handling payments through administrative offices usually gives the meeting organizers 'ghost' payments, so preferably use your personal bank account for payment).

After May 1, e-mail registration will be blocked and thereafter only on-site registration at the meeting is possible for meeting fees that are considerably higher (see below). Day attendance and dinners can be booked on-site at the registration desk, but for hotel accommodation you have to contact the desk of the Parkhotel 'De Branding'. After May 15, you may call Ms. Kitty Lamers for your direct reservations. If accommodation is available, she will offer you the room prizes as indicated below.

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 5 (Endocrinology) and on Thursday June 7 (Neurosciences). Abstracts can only be submitted electronically, deadline for the submission is April 1, 2001. Instructions on submission are given on the instruction page. Abstracts submitted without registration of the presenting author (before May 1) will not be handled. The final poster session program will be published on the meeting website by April 15, 2001.

Registration desk

At the meeting, the registration desk will be open on Tuesday June 5 from 09.00-13.00 h, and on Wednesday and Tuesday June 6-7 from 08.30-13.00 h.

Electronic registration only

Find the electronic registration form on the web site of the 5th Dutch Endo-Neuro Meeting 2001 at the URL address <http://www.enmeeting.nl/en/EN2001>.

Costs

Registration fees are listed below. Members of the Netherlands Society for Endocrinology are offered a discount of Dfl. 40 for a 2-day Endo package, members of the Neurofederation for a 2-day Neuro package. Attendance of the full meeting provides a discount as well.

A reduced day fee is charged to predoctoral students. However, upon arrival at the registration desk during the meeting, the 'collegekaart' should be presented. If not shown, the routine fee is charged on the spot.

Indicated are prizes per day (including program booklet, lunch and drinks), except for packages, for advanced registration before May 1.

Day	NLG 85
Day (predoctoral students)	NLG 25
Dinner	NLG 50
Single room	NLG 110
Double room (indicate your room mate)	NLG 65
Endo package (for NVE members only)	
(single room day 1 and 2, incl. dinner day 1)	NLG 290
(double room day 1 and 2, incl. dinner day 1)	NLG 245
Neuro package (for Neurofederation members only)	
(single room day 2 and 3, incl. dinner day 2)	NLG 290
(double room day 2 and 3, incl. dinner day 2)	NLG 245
Full meeting package (single room)	NLG 535
Full meeting package (double room)	NLG 445

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

Accreditation

Attendance of the meeting provides CME points for Dutch clinical endocrinologists, neurologist and psychiatrists.

Conference site

The conference site is Conferentiecentrum Parkhotel 'De Branding', Kabeljauwallee 35, 6865 BL Doorwerth, tel. +31 (0)317 31 9010, fax +31 (0)317 31 4546, web site <http://www.acco.nl/branding>.

The center is located in the heart of the woods, yet within short distance of public transport facilities. The center 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 side (Kabeljauwallee).

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.

INSTRUCTIONS FOR PRESENTATIONS

Language

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

Abstracts

All oral and poster communicators are requested to submit an English-written abstract for publication in the program booklet. Deadline for submission is April 1, 2001.

The abstract can only be submitted electronically either as attachment to an e-mail or send by s-mail on a floppy disk (MS-DOS-format). The secretariat can only handle files in MS-Word and Wordperfect MS-DOS format, not in Mac format.

As attachment, it should be e-mailed to the abstract handling secretariat on the address enmeeting@hetnet.nl with 'EN2001 abstract' mentioned in the subject box.

When presented on floppy disc, it can be s-mailed to Ms. Olga Pach, Netherlands Institute for Brain Research, Meibergdreef 33, 1105 AZ Amsterdam ZO, The Netherlands. Confirmation of receipt of your abstract follows immediately after proper import by the abstract handling secretariat.

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

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
poster neuro

Note 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 important to mark the poster session of choice: Endocrinology or Neuroscience, respectively on Tuesday June 5 or Thursday June 7.

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, slide and beamer projectors are available, and projection is taken care of by a (student) projectionist. All speakers using slides are kindly requested to place their slides in the projection turret prior to their session and to check the sequence and position of the slides. Facilities to view your slides will be available in a slide control room. The name-tagged turret should then be handed over to the projection assistant in the meeting room.

Speakers using the beamer projection service should themselves take care of a laptop computer with appropriate presentation software, or do so after consultation with the moderator of the session. Connection cables for the beamers will be available, and speakers are requested to control proper projection prior the session.

Poster presentations

The poster session Endocrinology will be held on Tuesday June 5 between 12.45-14.45 h (during which lunch will be served). Posters can be mounted from 09.30 h onwards, and have to be removed before Wednesday June 6 12.30 h. The poster session Neurosciences is scheduled on Thursday June 7 between 10.30-12.30 h. These posters can already be mounted on Wednesday June 6 from 12.30 h onwards, and have to be removed before 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 both the Endocrinology and Neuroscience poster session two poster awards are available. Poster selection committees appointed by respectively the Netherlands Society for Endocrinology and the Dutch Neurofederation will announce the winners in Poster Award ceremonies on respectively Tuesday evening and Thursday afternoon.

PROGRAM TUESDAY 5 JUNE 2001

10.25

Opening

Posters Endocrinology session to be mounted

10.30

'MARIUS TAUSK' LECTURE

(chair: Ron de Kloet, Leiden)

Aaron Hsueh (Stanford, USA)

Hormone research in the postgenomic era

11.15

Parallel sessions

Session 1

OVARIES AND GENOMICS

(chair: Katja Teerds, Utrecht)

program not yet available

Session 2

THYROID AND HEART

(chair: Marjanne Everts, Utrecht and Warner Simonides, Amsterdam)

Warner Simonides (Amsterdam)

Role of thyroid hormone in heart failure (30)

Arie Berghout (Rotterdam)

Thyroid heart disease: questions of a clinician to basic research (15)

Haidy van der Putten (Utrecht)

Transport of thyroid hormone in cultured heart cells (15)

Frank Wassen (Rotterdam)

Regulation of thyroid hormone metabolism in heart (15)

Mieke van Beeren (Amsterdam)

Interaction of the new anti-arrhythmic drug deonedarone with the thyroid hormone receptors $\alpha 1$ and $\beta 1$ (15)

Session 3

TYPE 2 DIABETES, FROM POPULATION TO GENE

(chair: Hans Romijn, Leiden)

Andrew Hattersley (Exeter, UK) not yet confirmed
title pending (30)

M. Losekoot (Leiden)

Early detection of hereditary subtypes of diabetes mellitus (15)

N. Vaessen (Rotterdam)

Type 2 diabetes and genetic variations in the IGF-1 gene (15)

Leen 't Hart (Leiden)

Association of a variant in the sulphonylurea receptor gene with type 2 diabetes and reduced insulin secretion (15)

G. Bos (Amsterdam)

Dissection of environmental factors in the pathogenesis of type 2 diabetes (15)

12.45

POSTER SESSION ENDOCRINOLOGY (including lunch)

14.45

Session 4 (plenary session)

(chair: Theo Visser, Rotterdam)

THYROID AND HEART

Kaie Ojamaa (Manhasset, USA)

Thyroid hormone and the cardiovascular system

NEURAL REGULATION OF GROWTH HORMONE

SECRETION

Johannes Veldhuis (Charlottesville, USA)

Neuroregulation of GH secretion

16.15

Break

16.45

Parallel sessions

Session 5

NOVEL DEVELOPMENTS IN THE GENETICS OF THYROID DISEASES

(chair: Carrie Ris-Stalpers, Amsterdam)

Jan W.A. Smit (Leiden)

Molecular genetic changes associated with differentiated thyroid cancer (30)

Erwin Pauws (Amsterdam)

The SAGE profile of a differentiated thyroid tumor compared to normal thyroid tissue (15)

Xavier de Deken (Bruxelles, B)

Characterization of two human thyroid proteins from the NADPH oxidase family: components of the H_2O_2 generating system (30)

José Carlos Moreno (Amsterdam)

The role of the thyroid oxidase (ThOx2) in human thyroid pathophysiology (15)

Session 6

THE GENOME IN THE GERM LINE

(chair: Willy Baarends and Anton Grootegoed, Rotterdam)

Anton Grootegoed (Rotterdam)

Introduction (30)

Ans van de Pelt (Utrecht)

Establishment of a rat spermatogonial cell line (15)

Cathy Bakker (Rotterdam)

Why is there no extensive CGG repeat growth in the male germ line? (15)

Maureen Eijpe (Wageningen)

Sister chromatid cohesion proteins in mammalian meiosis (15)

Henk Roest (Rotterdam)

Involvement of post-replication repair genes in reproduction (15)

Session 7

GROWTH HORMONE SECRETION DISORDERS

(chair: Hanno Pijl, Leiden)

Maarten Jansen (Utrecht)

Pit-1 in mice and men (30)

Aart Jan van der Lely (Rotterdam)

GH receptor antagonism in the treatment of acromegaly (30)

Madelon Buijs (Leiden)

Are obese women GH deficient? (15)

Nienke Biermasz (Leiden)

GHRH receptor defect: clinical sequelae (15)

18.15

NVE meeting

19.00

Dinner including

POSTER AWARD CEREMONY ENDOCRINOLOGY

(sponsored by NVE)

21.00

'ORGANON ENDOCRINOLOGY AWARD' LECTURE

Prize winner will be announced shortly before the meeting

(sponsored by Organon)

PROGRAM WEDNESDAY 6 JUNE 2001 (1)

08.30

Session 8 (plenary session)

SIGNALING AND GENE EXPRESSION

(chair: Onno Meijer, Leiden)

Paolo Sassone-Corsi (Strasbourg, F)

Coupling signaling to gene expression: tales and tails

09.15

Parallel sessions

Session 9

NUCLEAR RECEPTORS AND CANCER

(chair: Guido Jenster and Leen Blok, Rotterdam)

Johan Swinnen (Leuven, B)

Androgens, lipogenesis, and prostate cancer (30)

Joop Jansen (Nijmegen)

Retinoic acid receptor mutations in leukemia (30)

Ellen Smid-Koopman (Rotterdam)

PRA and PRB in endometrial cancer (15)

Jos Veldscholte (Rotterdam)

Identification and characterization of anti-estrogen resistance pathways in human breast cancer (15)

Session 10

GENDER IDENTITY, ROLE OF HORMONES

(chair: Peggy Cohen-Kettenis, Amsterdam)

Peggy Cohen-Kettenis (Amsterdam)

Transsexualism as a form of intersexuality (15)

Yolanda Smith (Utrecht)

Primary and secondary transsexuals: a matter of organizing hormones? (15)

Cornelieke van de Beek (Utrecht)

Prenatal sex hormones and gender related behavior in children (15)

Celina Cohen (Utrecht)

Masculinization of girls with a twin brother (15)

Sheri Berenbaum (Carbondale, USA)

Sex related behavior and cognition in girls with congenital adrenal hyperplasia (30)

Session 11

DIETARY FAT: METABOLIC AND NEUROENDOCRINE CONSEQUENCES

(chair: Gertjan van Dijk, Groningen)

Patrick Tso (Cincinnati, USA)

Control of fat absorption (30)

Coen Wiegman (Groningen)

Role of liver in fat metabolism (15)

Sander Kersten (Wageningen)

Role of adipose tissue in fat metabolism (15)

Janneke Langendonk (Leiden)

Neuroendocrine consequences of fat accretion (15)

Bauke Buwalda (Groningen)

Dietary fat and behavior (15)

10.45

Break

11.00

Parallel sessions

Session 12

THE ROLE OF CO-ACTIVATORS AND CO-REPRESSORS IN STEROID SIGNALING TO THE BRAIN

(chair: Ron de Kloet, Leiden)

Erik Kalkhoven (Leiden)

Role of p160 coactivators in nuclear-receptor mediated transcription (30)

Onno Meijer (Leiden)

The nuclear receptor corepressors NCoR and SMRT: roles in constitutive repression and action of steroid receptor antagonists (15)

Peter Steenbergen (Leiden)

Steroid receptor coactivators and corepressors in the brain: differential distribution and regulation of expression (15)

Paolo Sassone-Corsi (Strasbourg, F)

A family of LIM-only co-activators (30)

Session 13

ENDOCRINOLOGY OF AGING

(chair: Aart Jan van de Lely, Rotterdam)

Fabio Broglio (Torino, I)

Aspects of corticosteroid administration in men (30)

Sytze van Dam (Utrecht)

Altered GH secretion in the elderly and effects on the CNS (30)

Annewiek van den Beld (Rotterdam)

Neuroendocrine parameters of good physical shape in aging (15)

Alex Muller (Rotterdam)

A potential role of GH secretagogues in age-related changes in body composition (15)

Session 14

DEALING WITH 'STRESSED' NEURONS: TO PREVENT OR TO ALLOW APOPTOSIS?

(chair: Sjef Copray, Groningen and Dick Jaarsma, Rotterdam)

Rick Dobrowsky (Kansas City, USA)

p75 Neurotrophin receptor signaling: mechanisms for neurotrophic modulation of cell stress? (30)

Britta Küst (Groningen)

Neurotrophin signaling in amyotrophic lateral sclerosis (ALS) (15)

Jörg Schultz (Tübingen, D)

Inhibitors of apoptosis in neurodegenerative disorders (30)

Angela Vlug (Rotterdam)

Activation of apoptotic pathways in a mutant mouse model of ALS (15)

Satellite session

BIOLOGICAL RHYTHMS (1)

(chair: Joke Meijer, Leiden, Bert van der Horst, Rotterdam,

Menno Gerkema, Groningen, Dries Kalsbeek and Gerard Boer, Amsterdam)

Program available on the meeting website

12.30

Lunch

Posters Neuroscience session to be mounted

PROGRAM WEDNESDAY 6 JUNE 2001 (2)

13.30

'BELA BOHUS IM MEMORIAM' LECTURE

(sponsored by BCN Groningen)

(chair: Paul Luiten, Groningen)

Paul Luiten (Groningen)

Introduction

George Koob (La Jolla, USA)

Neuropeptides and emotional processing

14.30

Parallel sessions

Session 15

ENDOCRINE AND CENTRAL REGULATION OF ENERGY METABOLISM

(chair: Eric Fliers and Ruud Buijs, Amsterdam)

Mary Dallman (San Francisco, USA)

Neural control of energy metabolism (30)

Susanne La Fleur (Amsterdam)

Neural control of glucose homeostasis (15)

Felix Kreier (Amsterdam)

Autonomic innervation of white adipose tissue (15)

Hans Romijn (Leiden)

Obesity: new perspectives (30)

Session 16

SEX DIFFERENCES IN THE BRAIN

(chair: Frank Kruijver and Dick Swaab, Amsterdam)

Dick Swaab (Amsterdam)

Sexual differentiation of the human brain (30)

Elliott Mufson (Chicago, IL, USA)

Estrogen and neurotrophin interactions in the aging and diseased brain (30)

Frank Kruijver (Amsterdam)

Sex, transsexuality, sexual orientation and endocrine status in relation to sex hormone receptor expression in the human hypothalamus (15)

Sylvia Kaiser (Munster, D)

Prenatal social stress induces sex-specific and sex-reversed effects on sex hormone receptor expression in the guinea pig brain (15)

Session 17

STRESS, LEARNING AND SYNAPTIC PLASTICITY

(chair: Marian Joëls and Harm Krugers, Amsterdam)

Michael Rowan (Dublin, Ireland)

Overcoming the effects of stress on hippocampal synaptic plasticity (30)

Harm Krugers (Amsterdam)

Effects of corticosterone on hippocampal synaptic plasticity (15)

Melly Oitzl (Leiden)

Stress, corticosterone and memory (30)

G. van der Pompe (Groningen)

title pending (15)

Session 18

ANTI-EPILEPTIC DRUGS

(chair: Rob Voskuyl, Leiden)

Steve White (Raritan, USA)

Pharmacodynamic properties of antiepileptic drugs (45)

Wytze Wadman (Amsterdam)

Altered drug responses in brain tissue of epileptic patients (15)

Rob Voskuyl (Heemstede/Leiden)

Functional adaptation of drug efficacy in response to chronic medication and epilepsy (15)

Tineke van Rijn (Nijmegen)

Rational polytherapy, combining drugs based on knowledge of mechanisms (15)

Satellite session

BIOLOGICAL RHYTHMS (2)

(chair: Joke Meijer, Leiden, Bert van der Horst, Rotterdam,

Menno Gerkema, Groningen, Dries Kalsbeek and Gerard Boer, Amsterdam)

Program available on the meeting website

16.00

Break

16.30

Parallel sessions

Session 19

GENOMICS AND PROTEOMICS IN THE NEUROSCIENCES (1)

(chair: Jean-Marc Taymans, Guus Smit and Joost Verhaagen, Amsterdam)

Karoly Mirnics (Pittsburg, IL, USA)

Complex gene expression changes in schizophrenia viewed by microarrays (30)

Stefan Kass (Beerse, B)

Proteomics and genomics approaches for the identification of targets in psychiatric diseases (30)

Jean-Marc Taymans (Amsterdam/Beerse, B)

Expression of the RGS family of proteins in the dopaminergic system revealed by neuroanatomical techniques (15)

Sabine Spijker (Strassbourg, F)

Gene expression profiling of the development of behavioral sensitization to morphine using large-scale QPCR (15)

Dorine Feldker (Leiden)

SAGE expression profiles predict differences in hippocampal morphology in a mouse model for depression (15)

Suresh Nair (Amsterdam)

Single-cell gene expression profiling: strategies and applications (15)

Session 20

CIRCADIAN RHYTHM: GENETICS AND BEHAVIOR

(chair: Marcel Smits, Ede)

Elsbeth Nagtegaal (Arnhem)

Melatonin in human sleep-wake disorders (15)

Jo Ahrendt (Guilford, UK)

Melatonin as a marker for evaluating human genetics of the circadian clock (45)

Domien Beersma (Groningen)

Entrainment of the human circadian pacemaker (30)

Bert van der Horst (Rotterdam)

Cryptochromes: essential cogwheels in the circadian clockwork

PROGRAM WEDNESDAY 6 JUNE 2001 (3)

(30)

Session 21

THE PFC-ACB-VTA TRIANGLE IN COGNITION AND MEMORY

(chair: Tonny Mulder and Cyriel Pennartz, Amsterdam)

Stan Floresco (Pittsburgh, IL, USA)

Hippocampal and thalamic interactions with the prefrontal cortex during working memory processes: behavioral, neurochemical and electrophysiological analyses (45)

Matthijs Feenstra (Amsterdam)

Microdialysis in PFC and ACB (15)

Rebecca Nordquist (Amsterdam)

Learning related marker activity in PFC and Acb (15)

Riet Naber (Amsterdam)

Novelty exposure effects neuronal activity in prefrontal cortex (15)

Louk Vanderschuren (Amsterdam)

Neuroplasticity and cognition in addiction (15)

Tonny Mulder and Cyriel Pennartz

Closing remarks (15)

Satellite session (17.00-19.00)

REGULATION OF BODY WEIGHT

(chair: Roger Adan, Utrecht and Gertjan van Dijk, Groningen)

Program available at the meeting

19.00

Dinner

21.00

'NEUROFEDERATIE' LECTURE

(sponsored by Elsevier)

(chair: Lex Cools, Nijmegen)

Fernando Lopes da Silva (Amsterdam)

Abnormal plasticity of the limbic cortex leading to epilepsy

PROGRAM THURSDAY 7 JUNE 2001 (1)

08.30

Parallel sessions

Session 22

GENOMICS AND PROTEOMICS IN THE NEUROSCIENCES

(2)

(chair: Jean-Marc Taymans, Guus Smit and Joost Verhaagen, Amsterdam)

Condie Carmack (Palo Alto, USA)

Assessing hybridization specificity in oligonucleotide microarrays (30)

Pascal Bonaventure (La Jolla, USA)

Gene expression profiling of locus coeruleus suggests that chronic mild stress and antidepressants have a common molecular mechanism (30)

Hadriano Lacerda (Amsterdam)

Identification of target genes related to Alzheimer's disease in the postmortem brain using DNA arrays (15)

Connie Jimenez (Amsterdam)

Functional proteomics analysis of lesion-induced changes in the rat sciatic nerve (15)

Floor Stam (Amsterdam)

Gene expression analysis during regeneration of the rat sciatic nerve after lesion (15)

Roos de Jonge (Amsterdam)

Gene expression profiles of the peripheral nervous system (15)

Session 23

SYNAPSE FUNCTION: BIOPHYSICS, BIOCHEMISTRY AND PLASTICITY

(chair: Arjen Brussaard and Matthijs Verhage, Amsterdam)

Joost Heeroma (Utrecht)

Agrin & acetylcholine dependent receptor clustering (15)

Ron Habets (Amsterdam)

Calcium domains at a calyx-type nerve terminal (15)

Andrei Rozov (Amsterdam)

Postsynaptic mechanisms of short term plasticity at excitatory synapses in the rat neocortex (15)

Mischa de Rover (Amsterdam)

Cholinergic modulation of GABAergic synaptic transmission in the nucleus accumbens shell (15)

Corette Wierenga (Amsterdam)

Feedforward and feedback inhibition in the hippocampal CA1 area (15)

Andrew Mattus (Basel, CH)

Molecular mechanisms of structural plasticity at central synapses (45)

Session 24

KEYS, CLUES AND PITFALLS IN BEHAVIORAL TESTING OF TRANSGENIC AND KNOCKOUT MICE

(chair: Ineke van der Zee, Nijmegen and Melly Oitzl, Leiden)

Melly Oitzl (Leiden)

Introduction (15)

Olivier Stiedl (Goettingen, D)

Learning, memory and stress in mice: defensive behavior and heart rate dynamics during fear conditioning (30)

Catharina van der Zee (Nijmegen)

Brain creatine kinase-deficient mice show impaired spatial learning, less habituation and nestbuilding, but increased aggressive behaviour (30)

Arjen Blokland (Maastricht)

Searching the cognitive deficits of knockout and transgenic mice: ruling out alternative explanations (15)

Alexa Veenema (Groningen)

Behavioural and neuroendocrine characteristics of wild house mice genetically selected for high and low aggression: beyond a model for aggression (15)

Saskia Arndt (Köln, D)

The Mutant Mouse Bank (MMB)-database: an instrument for the standardisation of behavioural testing methods? (15)

Session 25

GENDER AND PATHOBIOLOGY OF MOOD DISORDERS

(chair: Gert ter Horst, Groningen)

Gert ter Horst (Groningen)

Introduction (15)

Andrea Trentani (Groningen)

Chronic mild stress and second messenger cascades in male and female rat forebrain (30)

Yolanda van Beek (Utrecht)

Depression in adolescence: why more girls? (30)

Mark George (Charleston, USA)

Neuroimaging of gender related brain activity changes in psychiatric disease (45)

10.30

POSTER SESSION NEUROSCIENCE

(sponsored by Dutch Brain Foundation)

12.30

Lunch

13.30

'HERSENSTICHTING' LECTURE

(sponsored by Dutch Brain Foundation)

(chair: Bart Ellenbroek, Nijmegen)

Robin Murray (London, UK)

The neurodevelopmental theory of schizophrenia: facts and fictions

POSTER AWARD CEREMONY NEUROSCIENCE

(sponsored by Elsevier)

PROGRAM THURSDAY 7 JUNE 2001 (2)

14.45

Parallel sessions

Session 26

MENTAL RETARDATION AND THE NEUROBIOLOGICAL BASIS OF INTELLIGENCE

(chair: Hans van Bokhoven, Nijmegen and Ger Ramakers, Amsterdam)

Jamel Chelly (Paris, F)

Breakthroughs in molecular and cellular mechanisms underlying X-linked mental retardation (45)

Hans van Bokhoven (Nijmegen)

Mutations in alphaPIX, a nucleotide exchange factor for Rho GTPases, in patients with X-linked mental retardation (15)

Rob Willemsen (Rotterdam)

Role of FMR1 protein in mental retardation (15)

Helger Yntema (Nijmegen)

Disrupted regulation of gene expression in (X-linked) mental retardation (15)

Ger Ramakers (Amsterdam)

Signal transduction through Rho proteins and the cell biology of mental retardation (30)

Ger Ramakers (Amsterdam) and Hans van Bokhoven (Nijmegen)

Closing remarks (15)

Session 27

NEURONAL NETWORKS

(chair: Wytse Wadman, Ingrid van Welie and Corette Wierenga, Amsterdam)

Henry Markram (Rehovot, Israel)

Cellular, synaptic and network principles of neocortical microcircuit dynamics (45)

Lovorka Pantic (Nijmegen)

On the role of dynamic synapses in coincidence detection and information processing (15)

Tonny Mulder (Amsterdam)

Analysis of the mesocorticolimbic network using tetrode recordings (30)

Martijn Meeter (Amsterdam)

TraceLink, a neural network model of memory and amnesia (15)

Session 28

BEHAVIORAL TOXICITY OF MDMA IN HUMANS

(chair: Jan Ramaekers, Maastricht)

Andy Parrott (London, UK)

Psychobiological problems in recreational ecstasy/MDMA polydrug users (30)

Euphrosyne Gouzoulis-Mayfrank (Aachen, D)

Is ecstasy neurotoxic in humans? Evidence from neurocognitive studies (15)

Liesbeth Reneman (Amsterdam).

Cortical serotonin transporter density and verbal memory in individuals who stopped using MDMA (15)

Dick de Waard (Groningen)

The effects of MDMA on driving performance as measured in an advanced driving simulator (15)

Caroline Lamers (Maastricht)

The effects of MDMA on cognitive and psychomotor performance in recreational MDMA users (15)

Session 29

BRAIN INFLAMMATION IN NEUROPSYCHIATRIC DISORDERS

(chair: Jaap Korf, Groningen)

Piet Eikelenboom (Amsterdam)

Inflammation in Alzheimer and vascular brain diseases: state of the art (15)

Marianne Engelhart (Rotterdam)

Inflammatory mediators in Alzheimer's disease and vascular dementia: an epidemiological study (15)

Jeroen Hoozemans (Amsterdam)

Cyclo-oxygenase and prostaglandins in Alzheimer's disease brains: implications for drug therapy (15)

Jan Versijpt (Groningen/Gent, B)

SPECT imaging of brain inflammation in Alzheimer's disease (15)

Gunter Kenis (Maastricht)

Effects of antidepressiva on cytokine production by CMS in rat, human and brain tissue (15)

Marieke Wichers (Maastricht)

Effects of interferon-alpha on the development of depression in relation to serotonin and the cytokine network (15)

Michael Maes (Maastricht)

Inflammatory processes in depression and other neuropsychiatric disorders (15)

16.45

Closure