SECOND JOINT MEETING OF THE ITALIAN AND DUTCH PHARMACOLOGICAL SOCIETIES

LUNTEREN, FEBRUARY 12-14, 2003

Wednesday February 12

13:00-14:00 Lunch
14:00-15:30 Business Meeting of the Dutch Pharmacological Society
15:35 Opening of the Joint Meeting
   V. Cuomo, P. Saxena
15:45-17:35 I. Pulmonary pharmacology (P. Geppetti, Firenze; J. Zaagsma, Groningen)
   Plenary symposium in remembrance of S. Nicosia
   H. Meurs, Groningen
   G.E. Rovati, Milano
   Oral abstract presentations
   A.R. Kranenburg et al., Rotterdam
   Enhanced bronchial expression of vascular endothelial growth factor and receptors (FLK-1 and FLT-1) in patients with chronic obstructive pulmonary disease
   S. Marzocco et al., Salerno
   Anti-inflammatory activity of methylguanidine on carrageenan induced rat pleurisy
   M. Kool et al., Utrecht
   Role for the neurokinin-1 receptor in the early phase of non-IgE mediated pulmonary hypersensitivity reactions
   H. Maarsingh et al., Groningen
   Role of arginase in neuronal nitric oxide production and airway smooth muscle relaxation induced by inhibitory nonadrenergic noncholinergic (iNANC) nerve stimulation
17:35-17:50 Break
17:50-19:40 II. Pharmacology of migraine (L.A. Pini, Modena; P. Saxena, Rotterdam)
   H. Doods, Biberach
   G. Geppetti, Firenze
   Oral abstract presentations
   U. Arulmani et al., Rotterdam
   Effects of BIBN4096BS on capsaicin-induced haemodynamic changes in a porcine experimental model for migraine
   L.A. Pini et al., Modena
   Serotonergic and opiatergic modifications induced by paracetamol as a model for daily chronic headache with analgesic overuse
S. Gupta et al., Rotterdam
Differential potency of BIBN4096BS in blocking CGRP relaxations in human distal and proximal coronary arteries

A. Ottani et al., Modena
Different effect of sumatriptan in models of thermal, chemical or cephalalgic pain in rats

17:50-19:40  III. CNS effects of steroids (G. Biggio, Cagliari; A. Rijnders, Oss)
A. Ederveen, Oss
The use of in vivo models in drug development to elucidate tissue selectivity of partial estrogen receptor agonists

M.L. Barbaccia, Roma
Neurosteroids and the mechanism of action of antipsychotic drugs

Oral abstract presentations
F. di Michele et al., Roma
Neuroactive steroids in Parkinson’s disease

M. Serra, Cagliari
Social isolation-induced increase in the sensitivity of rats to the steroidogenic effect of ethanol

19:40-20:30  Reception/posters

20:30  Dinner
Thursday February 13

07:45-09:00  Breakfast

09:00-12:00  IV. Neuropeptides  (A. Bertolini, Modena; B. Olivier, Utrecht)

- G. van Dijk, Groningen: Involvement of the brain melanocortin system in regulation of energy balance
- A. Bertolini, Modena: Melanocortins in shock and in other conditions of tissue hypoxia
- B. Olivier, Utrecht: The CRH-overexpressing mouse: model for depression?
- F. Drago, Catania: Neurotransmitter interactions in the amnesic effects induced by beta-amyloid related peptides

10:40-11:00  Break

Oral abstract presentations

- J. Hillebrand, Utrecht: The melanocortin system and eating disorders
- A.V. Vergoni et al., Modena: Chronic intracerebroventricular infusion either of a melanocortin agonist and of a melanocortin antagonist at low doses profoundly modifies energy balance without any other behavioral effect in rats
- M. Massi et al., Camerino: Inhibition of CRF-induced anorexia by NOP receptor activation

09:00-12:00  V. Immunopharmacology  (C. Riccardi, Perugia; F. Nijkamp, Utrecht)

- F. Redegeld/A. Kraneveld, Utrecht: Free light chain elicits immediate hypersensitivity-like responses: possible implication for asthma
- C. Riccardi, Perugia: Glucocorticoid hormones and regulation of T lymphocytes activation and death
- M. Smit, Amsterdam: Virally encoded G Protein-coupled receptors: new targets for drug therapy
- S. Cuzzocrea, Messina: Ligands of the peroxisome proliferator-activated receptor-γ (PPAR-γ) reduce acute and chronic inflammation

10:40-11:00  Break

Oral abstract presentations

- M.W. Zuurman et al., Groningen: L-CCR: a novel functional C-C chemokine receptor expressed in murine glial cells
- R. d’Emmanuele di Villa Bianca et al., Napoli: Role of endothelium derived hyperpolarizing factor (EDHF) in glucocorticoids induced hypertension
- A. Rijnerse et al., Utrecht: Validation of a murine model for colonic hypersensitivity
- S. Ronchetti et al., Perugia: Signals through the TNFR superfamily (TNFRSF) member GITR are costimulatory to T lymphocytes

12:00-14:00  Lunch/posters
14:00-15:00  **Plenary lectures (J. Smits, Maastricht; A. Mugelli, Firenze)**  
   E. Cattaneo, Milano  
   Huntington: a “model” disease  
   R. Leurs, Amsterdam  
   Do receptors need ligands?

15:00-15:30  **Break**

15:30-16:30  **Plenary lectures (J. Smits, Maastricht; F. Drago, Catania)**  
   F. Nicoletti, Roma  
   Cell cycle activation and neuronal death  
   R. Masereeuw, Nijmegen  
   Endothelin-regulated drug transport in the kidney

16:30-17:00  **Break**

17:00-18:00  **Ariëns lecture (P. Saxena)**  
   Ariëns lecturer: H. Timmerman, Amsterdam

19:00  **Banquet**
Friday February 14

07:45-08:30  Breakfast

08:30-11:30  VI. Cardiovascular Pharmacology: Heart Failure  (L. Berrino, Napoli; P. van Zwieten, Amsterdam)

W. van Gilst, Groningen  New concepts on the treatment of heart failure with RAS inhibitors
E. Cerbai, Firenze  Electrophysiologic remodeling in heart failure
M. Blankesteijn, Maastricht  The myofibroblast as a therapeutic target to prevent heart failure development after myocardial infarction
M. Ziche, Siena  Coronary dysfunction and angiogenesis

10:10-10:30  Break

Oral abstract presentations
A. Nap et al., Amsterdam  Different AT\textsubscript{1}-receptor subtypes at prejunctional and postjunctional sites: AT\textsubscript{1A} versus AT\textsubscript{1B}-receptors
G. Lonardo et al., Firenze  ANP increases the pacemaker current (I\textsubscript{F}): A potentially new link between stretch and arrhythmogenesis?
B. Tom et al., Rotterdam  No role for oxygen-derived free radicals in angiotensin-II-mediated vasoconstriction of human coronary arteries
L. Raimondi et al., Firenze  Chronic treatment with \textomega-3 PUFA decreases plasma concentration of asymmetric dimethylarginine (ADMA) in aging SHR rats

08:30-11:30  VII. Pharmacology of Drug Abuse  (W. Fratta, Cagliari; J. van Ree, Utrecht)

T. Schoffelmeer, Amsterdam  Towards a pharmacotherapy of relapse behavior
L. Fattore, Cagliari  Opioid-cannabinoid interactions in release mechanisms to drug-seeking
A. Cools, Nijmegen  Individual differences in vulnerability to drugs of abuse: role of genetic background, early postnatal factors, and stress
P. Nencini, Roma  What makes heroin different: the case of morphine glucuronidation

10:10-10:30  Break

Oral abstract presentations
J.R. Homberg, Amsterdam  Neuropharmacological assessment of enhanced motivation of rats to self-administer cocaine
P. Fadda et al., Cagliari  Antagonism by baclofen of nicotine rewarding effects: behavioral and neurochemical studies
E.D. Schmidt, Amsterdam  Drug-specific hot spots in rat brain associated with relapse to heroin-seeking behavior
M.R. Carratù et al., Bari  An experimental model simulating gestational carbon monoxide exposure in human cigarette smokers: subtle myelin alterations in rat offspring
11:30-13:00  Lunch

13:00-16:00  VIII. Endocrine Pharmacology: Diabetes  (M. Carruba, Milan; P. Smits, Nijmegen)

- P. Smits, Nijmegen  Oral blood glucose lowering drugs: new aspects
- L. Berrino, Napoli  Hyperglycemia and cardiovascular damage
- E. Blaak, Maastricht  Disturbances in fatty acid metabolism in type 2 diabetes mellitus
- E. Nisoli, Milano  Role of nitric oxide in adipose cell biology

14:40-15:00  Break

Oral abstract presentations

- G.A. Rongen, Nijmegen  Tc-99m-HYNIC-Annexin V scintigraphy: detection of ischemic preconditioning in humans in vivo
- L. Raimondi et al., Firenze  Glucose disposition and electrophysiological features in diabetic cardiomyocytes: the effect of angiotensin II blockade
- P. Pickkers et al., Nijmegen  Activation of the ATP-dependent potassium channel attenuates noradrenalin-induced vasoconstriction in the human forearm

13:00-16:00  IX. Receptor Pharmacology (P.A. Borea, Ferrara; R. Leurs, Amsterdam)

- A. IJzerman, Leiden  Allosteric modulation of G protein-coupled receptors
- P. Borea, Ferrara  Adenosine receptors and cancer: new pharmacological targets?
- C. van Koppen, Oss  Molecular pharmacology of low molecular weight agonists for the lutropin receptor
- M.A. Riva, Milano  Dopaminergic system and modulation of neurotrophic factor expression in the rat brain

14:40-15:00  Break

Oral abstract presentations

- M.C. Hendriks-Balk et al., Weesp  The role of RGS4 in ligand-directed signaling of the dopamine D2-receptor
- E. Giannini et al, Roma  Prokineticins and their receptors participate in the peripheral transmission of inflammatory pain
- M.C. Wittendorp et al., Groningen  CL-IB-MECA induced release of CCL2 by astrocytes: possible role for the adenosine A3 receptor?
- G. De Sarro et al., Catanzaro (pres. Gallelli) Tetrahydroisoquinoline derivatives: a new class of non-competitive AMPA receptor antagonists with potential anticonvulsant activity.

16:00  Adjournment
POSTERS

V.K.T. Allagappan et al. Insulin-like growth factors stimulate proliferation of cultured human airway epithelial but not smooth muscle cells
R.A. Bakker et al. Inverse agonists reveal conditional synergy between Gxi- and Gq-coupled receptors
W.W. Batenburg et al. AT2 receptor-mediated vasodilation in human and rat coronary arteries. Role of nitric oxide
F. Borelli et al. Green tea and gastrointestinal cancer risk
M. Bruysters et al. A mutagenic and in silico approach to characterise the histamine H1-receptor binding-pocket
M. Bucci et al. Involvement of heat shock protein 90 (Hsp-90) in testosterone-induced vasorelaxation in vitro
W.M. Blankesteijn et al. Time course of gene expression in infarcted and non-infarcted areas of the left ventricle after MI, analyzed by microarray
P. Casarosa et al. Differential constitutive signaling properties of the human and rat cytomegalovirus- encoded receptors UL33 and R33
S. Casini et al. Functional characterization of a novel Brugada syndrome mutation in the cardiac Na+ channel
W.X. Chai et al. Role of calcitonin gene-related peptide in ischaemic preconditioning in rat isolated heart
S. Cuzzocrea et al. Role of the inducible nitric oxide synthase in experimental model of acute pancreatitis
A.A. de Groot et al. Involvement of the beta(3) adrenoceptor in nebivolol-induced vasorelaxation in the rat aorta
I.M. Dijkstra et al. Expression and functional activity of the chemokine receptor CXCR3 in microglia and its role in neurodegeneration
M. Festa et al. Petrosaspongiodile M reduces morphine withdrawal in vitro
M. Fornai et al. Gastrin/CCK-2 receptors mediate relaxant effects of gastrin and cck-8s on the motility of the distal colon
M.N. Ghayur et al. Pharmacological basis for the cardiodepressant andialogogue effects of betel nut
R. Gosens et al. Role of PKC and p42/p44 MAP kinase in synergism of airway smooth muscle proliferation induced by G-protein coupled receptor agonists and growth factors
R. Gosens et al. Cholinergic synergism of mitogenesis in airway smooth muscle is mediated by muscanrinic M3-, not M2-receptors
E. Lipsic et al. Erythropoietin activates MAP kinase in isolated rat hearts
S. Marzocco et al. Inhibition of nitric oxide synthase expression by yuccaol c isolated from Yucca schidigera roezl
M. Massi et al. Effect of nociceptin-orphanin FQ on ethanol self-administration and ethanol seeking behaviour in rats
S. Notenboom et al. Inhibition of nitric oxide synthase expression by yuccaol c isolated from Yucca schidigera roezl
S. Oostendorp et al. Localization and regulation of expression of the orphan chemokine receptor L-CCR in the lung in a murine model of ovalbumin-induced airway inflammation
J. Oostendorp et al. Contractile properties of myocardial scar tissue
A. Popolo et al. Role of calcium flux on vascular hyporeactivity induced by endothelial mechanical injury in rat carotid arteries
C. Sand et al. The contribution of endogenously produced reactive oxygen species to the inotropic and chronotropic effects of adrenoceptor- and et-receptor stimulation
M.W. Sanders et al. Effects of prenatal stress on renal function and blood pressure in adult rats
M. Sandovici et al. Differential regulation of glomerular and interstitial endothelial nitric oxide synthase expression in the kidney of the hibernating ground squirrel
J.J. Saris et al. (Pro)renin receptor-dependent responses in cardiomyocytes: do they occur?
M.P. Schuitt et al. Superoxide: a direct or an indirect vasoconstrictor?
I. Serraino et al. Pyrrolidine dithiocarbamate modulates the severity of cerulein induced murine acute pancreatitis
P.H.E. Smeets et al. ATP-dependent transport of para-aminophippurate and fluorescein by multidrug resistance proteins 2 and 4 (MRP2/ABCC2 and MRP4/ABCC4)
J.O. Streekerk et al. Facilitating effect of vasopressin on sympathetic nervous system in the human plethysmography model
D.L. Valstar et al. Depletion on lung function and airway inflammation in a rat model for tma-induced occupational asthma
H.P.M. van der Kleij et al. Functional expression of neurokinin-1 receptors on mast cells induced by IL-4 and SCF
E.C.A.M. van Esch et al.  Role for IL-10 in allergen immunotherapy in a mouse model of allergic asthma
T.J.A. van Eijl et al.  Use of ex-vivo perfusion to assess lung function changes in a murine model of elastase-induced emphysema
J. van Golde et al.  Mechanisms of sympathetic hyperinnervation in chick embryo exposed to chronic moderate hypoxia
A.H. van Houwelingen et al.  F991, a new therapeutical compound for contact dermatitis
C.E. van Meijeren et al.  Use of different pharmacological tools in search for an alternative in vitro method for the histamine sensitization test in mice
J.L.M. Vissers et al.  Stimulation of IL-10 production by allergen-loaded macrophages enhances the immunosuppressive effects in a mouse model of allergic asthma
J.P.M. Wesselman et al.  Role of the rho/rho kinase pathway in flow-related remodeling of rat resistance arteries in vivo