

**Nederlandse Anatomen Vereniging
171^{ste} Wetenschappelijke vergadering**

vrijdag 9 en zaterdag 10 januari 2009,
conferentiecentrum "De Werelt", Lunteren

Programma Vrijdag 9 januari

10h30-12h30 a.m.: Symposium The autonomic nervous system

Chair: Prof. Dr. Katharina D'Herde, Dept of Basic Medical Sciences, Anatomy and Embryology Unit, Ghent

Dr. Patrick Wouters, Dept of Intensive Care, Ghent University Hospital, Belgium.
Differential role of the autonomic nervous system in the regulation of system versus pulmonary circulation

Prof. Dr. Jacques Caemaert, Dept of Neurosurgery, Ghent University Hospital, Belgium.
The autonomous system as target in neurosurgery

Dr. B. Schütz, Dept of Molecular Neuroscience, Institute of Anatomy & Cell Biology, Philipps-University Marburg, Germany.
Co-expression of cholinergic and noradrenergic phenotypes in human and nonhuman autonomic nervous system.

Prof. Dr. K. Everaert, Dept of Uro-Gynecology, Ghent University Hospital, Belgium
The autonomic control of urinary bladder contractility and therapeutic interventions.

14:00-17:00 p.m.: Symposium "Development and Stem cells"

Chair: Prof. Dr. Christine L Mummery, Leiden

Dr. VM Christoffels, Experimental and Molecular Cardiology Group, Department of Anatomy and Embryology, Academic Medical Centre, Amsterdam. The Netherlands.
Transcription factors regulating development of the heart in mice

Dr. D Huylebroeck, Laboratory of Molecular Biology, Department of Human Genetics, KULeuven, Leuven, Belgium.
Smad signaling in the regulation of mouse development

Dr. J Deschamps, Hubrecht Institute, Developmental Biology and Stem Cell Research, Utrecht, The Netherlands.
Genetic control of the vertebrate body plan

Prof. Dr. CL Mummery, Department of Anatomy and Embryology, Leiden University Medical Center, Leiden, The Netherlands.
Human embryonic stem cells in cardiac development and disease

14.00 uur-17.00 uur: Symposium: "Aspecten van beschikbaarstelling"

Parallelsessie voor anatomische preparateurs, vrijdag 9 januari 2009

Voorzitter: Dr. Peter O. Gerrits, Groningen

Conserveringstechnieken

- 14.00 -14.10 uur **Welkom en opening. dr. Peter O. Gerrits**, Anatomie, UMCG, Rijksuniversiteit Groningen
- 14.10 -14.45 uur **Prof. dr. Ingrid Kerckaert**, Anatomie, Universiteit Gent
"Balsemen met de Thiel methode: techniek en toepassingen"
- 14.45 -15.00 uur **Klaas van Linschoten**, Anatomie, Universitair Medisch Centrum Groningen
"Eerste ervaringen met de methode Thiel, kostenaspect"
- 15.00 -15.15 uur **Hilco Theeuwes**, Anatomie, Universitair Medisch Centrum Rotterdam, Erasmus MC Anatomy Research Project (EARP)
"De Rotterdamse Balsem Methode; AnubiFiXTM,"
- 15.15 -15.30 uur **Fred van Immerseel**, Afdeling Anatomie en Embryologie; Leids Universitair Medisch Centrum, Leiden
"Complucad®: Een bijzondere vloeistof"

Pauze, thee/koffie

Beschikbaarstelling

- 15.30 - 16.00 uur **Drs. Sophie Bolt**, RDR Research Groep, Radboud Universiteit Nijmegen, Nijmegen
"Hoe ritualiseren nabestaanden het afscheid van een dierbare lichaamsdonor?"
- 16.00 - 16.10 uur **Ineke van Zanten**, Anatomie, Universitair Medisch Centrum Groningen
Archief beschikbaarstellingen, "Een dood spoor"
- 16.10 - 16.30 uur **Björn Wijbenga**, Econometrie Faculteit Economie en Bedrijfskunde Rijksuniversiteit, Groningen
"Feiten en rekenen met getallen uit een beschikbaarstellingenbestand"
- 16.30 - 17.00 uur Discussie en plannen voor de toekomst

Borrel, Posters en Diner

Avondspreker

Prof. Michael Richardson, Institute of Biology, Leiden University,

'Embryos and Ancestors'.

Programma zaterdag 10 jan 2009

8.30-11.15 Bolkvoordrachten

8.30-9.00 B

Altered histone methylation and increased athero-susceptibility in offspring after in utero exposure to maternal atherosclerotic risk factors

FANNEKE E. ALKEMADE, PETER HENNEMAN, KO WILLEMS VAN DIJK, BEEREND P. HIERCK, J. CONNY VANMUNSTEREN, LOUIS M. HAVEKES, ADRIANA C. GITTENBERGER-DE GROOT, PETER J. VAN DEN ELSEN, MARCO C. DERUITER

Dept. Anatomy and Embryology (F.E.A., B.P.H., J.C.VM., A.C.G-dG, M.C.DR), Dept. Human Genetics (K.WvD), Dept. General Internal Medicine (K.WvD, L.M.H.), Dept. Cardiology (L.M.H.), and Dept. of Immunohematology and Blood Transfusion (P.J.vdE), Leiden University Medical Center, Leiden, The Netherlands, TNO-Quality of Life (L.M.H.), Gaubius Laboratory, Leiden, The Netherlands, Dept. Pathology (P.J.vdE), VU University Medical Center, Amsterdam, The Netherlands

9.00-9.30 B

Hippocampal expression of glutamate-glutamine cycle genes during epileptogenesis in the rat juvenile Li⁺/pilocarpine model and in human mesial temporal lobe epilepsy

W. SASKIA VAN DER HEL^{1,2}, INEKE W.M. BOS², SUZANNE A.M.W. VERLINDE¹, PIERRE N.E. DE GRAAN²

¹Dept of Anatomy, Division of Surgical Specialties, ²Rudolf Magnus Institute of Neuroscience, Dept of Neuroscience and Pharmacology, University Medical Center Utrecht, Utrecht, NL.

9.30-10.00 B

3D Computerized Model for Measuring Strain and Displacement of the Brachial Plexus Following Placement of Reverse Shoulder Prosthesis

TOM VAN HOOFF,¹ GERMANO T. GOMES,¹ EMMANUEL AUDENAERT,² KOENRAAD VERSTRAETE,³ INGRID KERCKAERT,¹ KATHARINA D'HERDE¹

¹Department of Basic Medical Sciences, University of Ghent, Ghent, Belgium ²Department of Physical Medicine and Rehabilitation, University of Ghent, Ghent, Belgium ³Department of Radiology, University of Ghent, Ghent, Belgium

10.00-10.30 B

Quantitative architecture of the brachial plexus and surrounding compartments, and their possible significance for plexus blocks

NIZAR MOAYERI, PAUL E. BIGELEISEN & GERBRAND J. GROEN

Department of Anesthesiology, University Medical Centre Utrecht

10.30-10.45 Pauze

10.45-11.15 B

Human adult epicardium-derived cells and their synergistic interaction with cardiomyocyte progenitor cells in the infarcted adult heart

WINTER E.M.

Dept. of Anatomy & Embryology, LUMC, Leiden, the Netherlands

Vrije voordrachten

11.15-11.30 V

Smooth muscle anchors the pelvic organs in the pelvic floor

CHRISTIAN WALLNER, JEANETTE BOUMA, YVONNE MENNEN, NOSHIR F. DABHOIWALA, MARCO C. DE RUITER, WOUTER H. LAMERS

Anatomy & Embryology (CW, JB, YM, WHL) and Urology (NFD), AMC Amsterdam. Anatomy & Embryology (MCD), LUMC Leiden. Anatomy & Embryology (WHL), Maastricht University.

11.30-11.45 V

Quantitative assessment of temporomandibular joint articular cartilage morphology by μ CT

GREETJE A.P. RENDERS, GEERLING E.J. LANGENBACH & JAN HARM KOOLSTRA

Department of Functional Anatomy, Academic Centre for Dentistry Amsterdam (ACTA), University of Amsterdam and VU University Amsterdam, Meibergdreef 15, 1105 AZ Amsterdam, the Netherlands

11.45-12.00 V

Wireless and simultaneous recording of bone strain and muscle activity *in vivo*

W.C. DE JONG, J.A.M. KORFAGE, L.J. VAN RUIJVEN, J.H. KOOLSTRA, G.E.J. LANGENBACH

Academic Centre for Dentistry Amsterdam (ACTA), Functional Anatomy

12.00-12.15 V

T helper cells stimulate axon regeneration via interleukin-4 by modulating neurotrophin signaling

SVEN HENDRIX^{1,2}, DANIEL HECHLER², STEPHANIE SALLACH², GRETA GÖLZ², FRANCESCO BOATO², KAREN ROSENBERGER², THOMAS KAMMERTÖNS³, LISA SCHNELL⁴, JOHANNES VOGT², DOREEN LÜDECKE², CHRISTINE BRANDT², FRED LÜHDER⁵, VOLKER SIFFRIN⁶, B. SUMAN BAHARATI², RALF GOLD⁷, THOMAS BLANKENSTEIN³, MARTIN SCHWAB⁴, HERBERT SCHWEGLER⁸, FRAUKE ZIPP⁶ & ROBERT NITSCH²

¹ Dept. of Morphology & Biomedical Research Institute (BIOMED), Hasselt University, Belgium

² Institute for Cell Biology and Neurobiology, Center for Anatomy, Charité – Universitätsmedizin Berlin, Germany

³ Institute for Immunology, Charité – Universitätsmedizin Berlin, Germany

⁴ Brain Research Institute, University and ETH Zurich, Switzerland

⁵ Institute for Multiple Sclerosis Research, University of Göttingen, Germany

⁶ Cecilie-Vogt Clinic for Molecular Neurology, Charité – Universitätsmedizin Berlin, Germany

⁷ Dept. of Neurology, St. Josef-Hospital/Ruhr-University Bochum, Germany

⁸ Institute of Anatomy, Otto-von-Guericke-University of Magdeburg

12.30-13.00

Jaarvergadering NAV met uitreiking van de Bolkprijs en de posterprijs

13.00 Afsluitende Lunch