DAY 3: Tuesday, 21 June 2011

**Aalmarktzaal**

**09:00-09:30**

**ESMI Plenary Lecture 4**

Daniel Anthony, Oxford: Imaging Inflammation with Targeted Contrast Agents

*chairs: Klaas Nicolay, Eindhoven; Hervé Boutin, Manchester*

**09:30-10:00**

**Parallel Session 11: Neuroinflammation and Neurodegeneration**

*chairs: Sabina Pappatá, Naples; Bertrand Tavitian, Orsay; Andreas Jacobs, Muenster*

- Pale and function of microglia in Alzheimer’s disease - Michael Heneka, Bonn
- Presence and lack of microglial activation: Differences in early neurodegenerative diseases and prion disease - Daniela Perani, Milan
- PET Imaging of the 18-kDa translocator protein with the radioligand [18F]FEDAA1106 does not reveal increased binding in Alzheimer’s disease patients - Andrea Varrone, Stockholm
- Small animal PET imaging of the type 1 and 2 cannabinoid receptor in photothrombotic stroke model - Cindy Casteels, Leuven
- Time-dependent recruitment, activation and inactivation of microglia and astrocytes following autologous mesenchymal stem cell grafting in brain tissue - Nathalie Voelch, Wirdt
- Imaging Inflammation Following Status Epilepticus using a Targeted Iron Oxide Contrast Agent - Ben Duffy, London

**10:00-10:30**

**Industry Round Table Session**

The companies are responsible for the content and organisation, attendance is only possible if you signed-in at the respective booths or are invited.

- Fate and function of microglia in Alzheimer’s disease - Michael Heneka, Bonn
- Organised by ART: Can fluorescent in vivo lifetime imaging be used to unravel specific biomolecular interactions? - Alan Chan (BREEZAAL)
- Presence and lack of microglial activation: Differences in early neurodegenerative diseases and prion disease - Daniela Perani, Milan
- Organised by Bioscan and Phillips: Exploring user requirements and technical specifications for a preclinical PET/CT system - Hein Haas (BREEZAAL)
- Organised by Bruker: Cost-effective low-field MRI as an alternative to Micro-CT - Sarah-Rebecca Snyder (BREEZAAL)
- PET Imaging of the 18-kDa translocator protein with the radioligand [18F]FEDAA1106 does not reveal increased binding in Alzheimer’s disease patients - Andrea Varrone, Stockholm
- Organised by PerkinElmer: Translational fluorescent biomarkers from cells to clinical practice - William Vaccani (BREEZAAL)
- Small animal PET imaging of the type 1 and 2 cannabinoid receptor in photothrombotic stroke model - Cindy Casteels, Leuven
- Organised by visualsonics: New in-vivo molecular imaging techniques - Dave Bates (KLEINE FOYER)
- Time-dependent recruitment, activation and inactivation of microglia and astrocytes following autologous mesenchymal stem cell grafting in brain tissue - Nathalie Voelch, Wirdt
- Organised by Li-Cor: Near-infrared small animal imaging and applications - Jeff Harford (KLEINE FOYER)
- Imaging Inflammation Following Status Epilepticus using a Targeted Iron Oxide Contrast Agent - Ben Duffy, London
- Organised by GE Healthcare/Gamma Medica: Solid-state SPECT / MR: let’s shape the future together - Dirk Meier (KLEINE FOYER)

**10:30-12:00**

**Guided Poster Session 2; Poster Walks 6 to 10**

- Exhibition with Coffee Break - “Grote Zaal”

**12:00-13:30**

**Parallel Session 12: Image Guided Surgery**

*chairs: George Themelis, Neuherberg; Alexander Vahrmeijer, Leiden*

- Intraoperative Fluorescence Imaging: One step closer to clinical use - George Themelis, Neuherberg
- Introduction to optical image-guided surgery - Alexander Vahrmeijer, Leiden
- Prediction and optimization of near-infrared fluorescence imaging of colorectal liver metastases using indocyanine green - Jost van der Vorst, Leiden
- Clinical proof of concept of a hybrid surgical guidance approach during robot assisted laparoscopic procedures - Fijis van Leeuwen, Amsterdam
- Initial clinical validation of a multimodal radioactive/fluorescence imaging agent for simultaneous radioguided and optical sentinel node detection - Oscar Brouwer, Amsterdam
- Sentinel lymph node detection with intraoperative fluorescence imaging in gynecologic cancer - Lucia Crane, Groningen
- Photoacoustic imaging of tumor vasculature in small animals - Jithin Jose, Enschede
- Initial clinical validation of a multimodal radioactive/fluorescence imaging agent for simultaneous radioguided and optical sentinel node detection - Oscar Brouwer, Amsterdam
- Photothermal tumor ablation using a small animal PET/MRI system for non-invasive monitoring of therapy response - Niels Matthes, Utrecht
- Photodynamic therapy of prostate cancer using a near-infrared fluorescence imaging agent - Florian Schmid, Muenster
- Zero Echo Time (ZTE) MRI for Efficient 19F-Detection in Molecular and Cellular Imaging - Florian Schmid, Muenster

**13:30-14:30**

**ESMI Plenary Lecture 5**

Nadine Peyriéras, Gif sur Yvette: Visualization of Protein Tubules Involved in Cell Division and Cell Boundaries in Live Embryos

*chairs: Bertrand Tavitian, Orsay; Jouke Dijkstra, Leiden*

**14:30-15:00**

**Lunch Break and Closing of Exhibition - “Grote Zaal”**

**15:00-16:30**

**ESMI Plenary Session and Closing Ceremony**

**Young Investigator Award Final**

The best six applicants will present their talks - do not miss it! Afterwards the YIA will be awarded.

**Poster Awards**