Third International Congress on Neuropathic Pain

Scientific Program

Thursday, May 27, 2010
### Thursday, May 27, 2010

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<th>Time</th>
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<td>09:00-10:30</td>
<td>PARALLEL WORKSHOPS HALLS A, B, D &amp; F</td>
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<tr>
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<td>HALL A: T1 - INTRAVENOUS APPLICATION OF LOCAL ANESTHETICS FOR THE</td>
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<td>TREATMENT OF NEUROPATHIES</td>
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<td>HALL B: C1 - RADICULAR PAIN, A NEW PERSPECTIVE</td>
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<td>HALL D: M1 - RECENT ADVANCES IN MECHANISMS AND PATHOPHYSIOLOGY</td>
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<td>HALL F: S1 - ASTROCYTE REGULATION OF NEUROPATHIC PAIN VIA NEURAL-</td>
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<td>10:30-11:00</td>
<td>REFRESHMENT BREAK AND EXHIBITION</td>
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<td>PARALLEL WORKSHOPS HALLS A - F</td>
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<td>HALL A: T2 - UPDATE ON THE MANAGEMENT OF CENTRAL PAIN</td>
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<td>HALL B: C2 - NEW PERSPECTIVES IN PAINFUL DIABETIC NEUROPATHY</td>
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<td>HALL C: B2 - NEUROPATHIC PAIN MANAGEMENT: EFFICACY, SAFETY,</td>
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<td>COMPLICATIONS, OF INTERVENTIONAL TECHNIQUES</td>
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<td>HALL D: M2 - NEUROPATHIC PAIN AND OTHER PATHOPHYSIOLOGIES:</td>
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<td>HALL E: A2 - HOW TO DIAGNOSE NEUROPATHIC PAIN</td>
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<td>HALL F: S2 - INTERACTION OF AUTONOMIC AND MICROVASCULAR DYSFUNCTION IN CRPS</td>
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<td>12:30-13:00</td>
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<td>OPENING CEREMONY HALL A</td>
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<td>15:30-16:00</td>
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<tr>
<th>16:00-17:30</th>
<th>INDUSTRY SPONSORED SYMPOSIUM</th>
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<tr>
<td>NEW CONCEPTS FOR TREATMENT OF LOCALISED NEUROPATHIC PAIN: INDUSTRY SYMPOSIUM SPONSORED BY GRUNETHAL</td>
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<td>HALL A: T3 - EMERGING DRUG TREATMENTS FOR NEUROPATHIC PAIN</td>
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09:00-10:30  HALL A (Plenary & Treatment)

WORKSHOP – TREATMENT 1: **INTRAVENOUS APPLICATION OF LOCAL ANESTHETICS FOR THE TREATMENT OF NEUROPATHIES**  
(For Workshop Summary see page number 105)

Chairmen:  
G. Hans, Belgium  
G. Strichartz, USA

09:00  
**NEW INFORMATION ON LONG-TERM APPLICATION OF IV LIDOCAINE IN PAINFUL NEUROPATHIES**  
G. Hans  
*Antwerp University Hospital Multidisciplinary Pain Centre, Edegem, Belgium*

09:20  
**POLYPHASIC ACTIONS OF I.V. LIDOCAINE ON EXPERIMENTAL NEUROPATHIC PAIN INDICATE MULTIPLE MECHANISMS OF ACTION**  
G. Strichartz  
*Pain Research Center, Harvard Medical School, Boston, MA, USA*

09:40  
**UNAVAILABLE**  
M. Backonja  
*University of Wisconsin-Madison, Madison, WI, USA*

10:00  
DISCUSSION

10:30  
REFRESHMENT BREAK AND EXHIBITION

09:00-10:30  HALL B ( Syndromes)

WORKSHOP – SYNDROMES 1: **RADICULAR PAIN, A NEW PERSPECTIVE**  
(For Workshop Summary see page number 106)

Chairmen:  
S. Bistre, Mexico  
M. Gouliami, Greece

09:00  
**THE MIXED NEUROPATHIC NATURE OF RADICULAR PAIN**  
S. Bistre  
*The American British Cowdray Medical Center Education Department, Mexico City, Mexico*

09:20  
**THE PUZZLE OF MECHANISTIC DIAGNOSIS AND THERAPEUTICAL APPROACHES TO RADICULAR PAIN**  
P. Bejarano  
*Anesthesia and Pain Services, Madrid, Spain*

09:40  
**DISC HERNIATION RELATED SCIATICA - RADICULAR PAIN: AN EXPRESSION OF A COMPLEX REGIONAL PAIN SYNDROME?**  
G. Ochoa  
*Department of Orthopaedic and Traumatology, Spine and Pain Unit, University Hospital Clinica San Rafael, Bogota, Colombia*

10:00  
DISCUSSION

10:30  
REFRESHMENT BREAK AND EXHIBITION
Thursday, May 27, 2010

09:00-10:30 HALL D (Mechanisms)

WORKSHOP – MECHANISMS 1: RECENT ADVANCES IN MECHANISMS AND PATHOPHYSIOLOGY OF PRIMARY HEADACHES (For Workshop Summary see page number 107)
Chairmen: A. Dowson, UK
G. Mick, France

09:00 PRIMARY HEADACHES
A. Dowson
The King's Headache Services, Kings College Hospital, London, UK

09:25 SENSORY INNERVATION OF THE CALVARIA DEFINE NEW POSSIBILITIES FOR PERIPHERAL ORIGIN OF INTRACRANIAL HEADACHE
R. Burstein
Harvard Medical School, Boston, MA, USA

10:05 DISCUSSION

10:30 REFRESHMENT BREAK AND EXHIBITION

09:00-10:30 HALL F (Structure and Organisation of the CNS)

WORKSHOP – STRUCTURE AND ORGANISATION OF THE CNS 1: ASTROCYTE REGULATION OF NEUROPATHIC PAIN VIA NEURAL-GLIAL INTERACTIONS (For Workshop Summary see page number 108)
Chairmen: R.-R. Ji, USA
H. Vanegas, Venezuela

09:00 ASTROCYTES PRODUCE CHEMOKINES TO SENSITIZE NEUROPATHIC PAIN
R.-R. Ji
Anesthesiology, Brigham and Women's Hospital, Harvard Medical School, Boston, MA, USA

09:20 IL-18-MEDIATED MICROGLIA/ASTROCYTE INTERACTION IN THE SPINAL CORD AND NEUROPATHIC PAIN
K. Noguchi
Anatomy and Neuroscience, Hyogo College of Medicine, Nishinomiya, Japan

09:40 COORDINATED ALTERATIONS IN ASTROGLIAL ACTIVITY AND DESCENDING FACILITATION OF NEUROPATHIC PAIN
K. Ren
Neural and Pain Sciences, University of Maryland, Baltimore, MD, USA

10:00 DISCUSSION

10:30 REFRESHMENT BREAK AND EXHIBITION
Thursday, May 27, 2010

11:00-12:30 HALL A (Plenary & Treatment)

WORKSHOP – TREATMENT 2: UPDATE ON THE MANAGEMENT OF CENTRAL PAIN
(For Workshop Summary see page number 109)
Chairmen: T. Nurmikko, UK
          S. Bistre, Mexico

11:00 MULTIPLE SCLEROSIS
T. Nurmikko
School of Clinical Sciences, University of Liverpool, Liverpool, UK
11:20 SPINAL CORD INJURY PAIN
N. Finnerup
Danish Pain Research Center, Aarhus University, Aarhus, Denmark
11:40 CENTRAL POST-STROKE PAIN
R. Peyron
Neurologie, CHU de Saint-Etienne, Saint-Etienne, France
12:00 DISCUSSION

12:30 LUNCH BREAK AND EXHIBITION

11:00-12:30 HALL B (Syndromes)

WORKSHOP – SYNDROMES 2: NEW PERSPECTIVES IN PAINFUL DIABETIC NEUROPATHY
(For Workshop Summary see page number 110)
Chairmen: S. Tesfaye, UK
          N. Papanas, Greece

11:00 RECENT ADVANCES IN THE EPIDEMIOLOGY AND PATHOGENESIS OF PAINFUL DIABETIC NEUROPATHY
S. Tesfaye
Sheffield Teaching Hospitals Diabetes Research Unit, Sheffield, UK
11:20 ENDOTHELIAL FUNCTION AND INFLAMMATORY CYTOKINES IN PAINFUL DIABETIC NEUROPATHY
A. Veves
Beth Israel Deaconess Medical Center - Harvard Medical School, Boston, MA, USA
11:40 EVIDENCE BASED MANAGEMENT OF PAINFUL DIABETIC NEUROPATHY
A. Boulton
University Department of Medicine Diabetes, Manchester, UK
12:00 DISCUSSION

12:30 LUNCH BREAK AND EXHIBITION
Thursday, May 27, 2010

11:00-12:30 HALL C (Interventions)

WORKSHOP – INTERVENTIONS 2: NEUROPATHIC PAIN MANAGEMENT: EFFICACY, SAFETY, COMPLICATIONS, OF INTERVENTIONAL TECHNIQUES (For Workshop Summary see page number 111)

Chairmen: E. Anastassiou, Greece
I. Kouroukli, Greece

11:00 INTRATHECAL DRUG DELIVERY THERAPIES
E. Anastassiou
Department of Anaesthesiology & Pain Clinic, ‘Thriassio’ General Hospital of Elefsina, Magoula - Elefsina, Greece

11:20 SPINAL CORD STIMULATION
A. Koulousakis
Department of Stereotaxy & Functional Neurosurgery, University Hospital of Cologne, Cologne, Germany

11:40 RADIOFREQUENCY TECHNIQUES
I. Kouroukli
Hippokratio Hospital of Athens, Athens, Greece

12:00 DISCUSSION

12:30 LUNCH BREAK AND EXHIBITION

11:00-12:30 HALL D (Mechanisms)

WORKSHOP – MECHANISMS 2: NEUROPATHIC PAIN AND OTHER PATHOPHYSIOLOGIES: SHARED MECHANISMS AND TREATMENTS (For Workshop Summary see page number 112)

Chairmen: L. Bee, UK
K.L. Petersen, USA

11:00 AN OVERVIEW OF SHARED MECHANISMS
L. Bee
NPP, University College London, London, UK

11:20 SHARED MECHANISMS, SHARED TREATMENTS: NEUROPATHIC PAIN AND OTHER PATHOPHYSIOLOGIES
J. Haythornthwaite
Center for Mind Body Research, Department of Psychiatry & Behavioral Sciences, Johns Hopkins University School of Medicine, Baltimore, MD, USA

11:40 CAN SHARED MECHANISMS AND SUBSTRATES INFORM ON TREATMENTS?
A.H. Dickenson
Neuroscience, Physiology, Pharmacology, University College London, London, UK

12:00 DISCUSSION

12:30 LUNCH BREAK AND EXHIBITION
Thursday, May 27, 2010

11:00-12:30 HALL E (Assessment and Psychology)

WORKSHOP – ASSESSMENT AND PSYCHOLOGY 2: HOW TO DIAGNOSE NEUROPATHIC PAIN
(For Workshop Summary see page number 113)
Chairmen: P. Hansson, Sweden
           N. Attal, France

11:00 REMARKS ON THE RECENTLY SUGGESTED DEFINITION AND WORK-UP ALGORITHM OF NEUROPATHIC PAIN
P. Hansson
Karolinska University Hospital, Solna/ Karolinska Institutet Dept. of Molecular Medicine and Surgery and Pain Center, Stockholm, Sweden

11:20 IT TAKES A NEUROLOGICAL EVALUATION, INCLUDING EXAMINATION OF THE PATIENT
M. Backonja
University of Wisconsin-Madison, Madison, WI, USA

11:40 CLINICAL APPLICATIONS OF NEUROPATHIC PAIN QUESTIONNAIRES
D. Bouhassira
INSERM U987 Centre d’Evaluation et Traitement de la Douleur, CHU Ambroise Paré, Boulogne-Billancourt, France

12:00 DISCUSSION

12:30 LUNCH BREAK AND EXHIBITION

11:00-12:30 HALL F (Structure and Organisation of the CNS)

WORKSHOP – STRUCTURE AND ORGANISATION OF THE CNS 2: INTERACTION OF AUTONOMIC AND MICROVASCULAR DYSFUNCTION IN CRPS
(For Workshop Summary see page number 114)
Chairmen: T. J. Coderre, Canada
           R. Baron, Germany

11:00 AN ANIMAL MODEL SUGGESTS MICROVASCULAR DYSFUNCTION AND CHRONIC TISSUE ISCHEMIA CONTRIBUTE TO CRPS-I
T.J. Coderre
Anesthesia & Alan Edwards Centre for Research on Pain, McGill University, Montreal, QC, Canada

11:20 DYSFUNCTION OF THE AUTONOMIC NERVOUS SYSTEM
G. Wasner
Universitaetsklinikum Schleswig Holstein Department of Neurology, Campus Kiel, Kiel, Germany

11:40 NITRIC OXIDE ENDOTHOLIN-1 DISBALANCE IN COMPLEX REGIONAL PAIN SYNDROME
F. Huygen
Erasmus MC, Rotterdam, The Netherlands

12:00 DISCUSSION

12:30 LUNCH BREAK AND EXHIBITION
OPENING CEREMONY

WELCOME ADDRESS BY:

CHAIRMAN, SCIENTIFIC PROGRAM COMMITTEE
J.C.D. Wells1,2
1Pain Matters Ltd, 2Pain Research Institute, Liverpool, UK

NEUPSIG CHAIRMAN
R.-D. Treede
Medical Faculty Mannheim, University of Heidelberg Department of Neurophysiology, Center of Biomedicine and Medical Technology Mannheim (CBTM), Mannheim, Germany

IASP LIAISON, NEUPSIG
T.S. Jensen
Danish Pain Research Center, University of Aarhus Department of Neurology, Aarhus, Denmark

EUROPEAN FEDERATION OF CHAPTERS OF IASP (EFIC)
S. Erdine
Medical Faculty of Istanbul, Department of Algology, Istanbul, Turkey

VICE RECTOR OF THE UNIVERSITY OF ATHENS
G. Creatsas
Athens University, Athens, Greece

PRESIDENT OF THE HELLENIC SOCIETY OF ALGOLOGY
E. Anastassiou
‘Thriassio’ General Hospital of Elefsina Anaesthesiology & Pain Clinic, Magoula - Elefsina, Greece

14:00

PATHOS, BODY AND VISUAL ART (GREEK PAIN MEDICINE AND ART THROUGH THE AGES)
M. Stefanidis
Athens, Greece
Thursday, May 27, 2010

14:30-15:30 HALL A (Plenary & Treatment)

PLENARY SESSION: KEYNOTE SESSION: STIMULATION OF THE CENTRAL NERVOUS SYSTEM-MECHANISMS AND MANAGEMENT (For abstracts see pages 93-94)

Chairmen: R.-D. Treede, Germany
J.C.D. Wells, UK

14:30 SPINAL CORD STIMULATION FOR NEUROPATHIC PAIN
R. North
The Sandra and Malcolm Berman Brain & Spine Institute, Baltimore, MD, USA

15:00 MOTOR CORTEX STIMULATION (MCS) FOR NEUROPATHIC PAIN: CAN WE PROCEED FROM PHENOMENOLOGY TO MECHANISMS?
L. Garcia-Larrea
Central Integration of Pain Unit (U879), INSERM & Univ Lyon, Lyon, France

15:30 REFRESHMENT BREAK AND EXHIBITION
Thursday, May 27, 2010

17:30-19:00 HALL A (Plenary & Treatment)

WORKSHOP – TREATMENT 3: EMERGING DRUG TREATMENTS FOR NEUROPATHIC PAIN
(For Workshop Summary see page number 115)
Chairmen: N. Attal, France
D. Simpson, USA

17:30 CLINICAL OUTCOME MEASURES IN NEUROPATHIC PAIN THERAPEUTIC TRIALS
N. Attal
Centre d'Evaluation et deTraitement de la Douleur, INSERM U 987 and APHP, Boulogne Billancourt, France

17:50 DEFINING RESPONDER PROFILES TO CURRENT AND EMERGING DRUG TREATMENT FOR NEUROPATHIC PAIN?
R. Baron
Division of Neurological Pain Research and Therapy, Universitätsklinikum Schleswig-Holstein, Kiel, Germany

18:10 CANNABINOIDS AND NEUROPATHIC PAIN: NEW DRUGS FROM AN OLD PLANT?
M. Ware
McGill University MUHC Pain Centre/Anesthesia, Montreal, QC, Canada

18:30 DISCUSSION

19:00 WELCOME RECEPTION

17:30-19:00 HALL B (Syndromes)

WORKSHOP – SYNDROMES 3: RECENT DEVELOPMENTS IN POST HERPETIC NEURALGIA
(For Workshop Summary see page number 116)
Chairmen: A. Rice, UK
S. Pouloupolou, Greece

17:30 MODELING VARICELLA ZOSTER-ASSOCIATED PAIN
A. Rice
Anaesthetics, Pain Medicine and Intensive Care, Imperial College London, London, UK

17:50 PREVENTION OF POSTHERPETIC NEURALGIA
R. Dworkin
Departments of Anesthesiology and Neurology, University of Rochester, Rochester, NY, USA

18:10 TREATMENT OF POSTHERPETIC NEURALGIA IN ELDERLY PATIENTS
M. Haanpää1,2
1Department of Neurosurgery, Helsinki University Hospital, 2Rehabilitation Orton, Helsinki, Finland

18:30 DISCUSSION

19:00 WELCOME RECEPTION
Thursday, May 27, 2010

17:30-19:00  HALL C (Interventions)

WORKSHOP – INTERVENTIONS 3: WHICH PATIENTS MIGHT BENEFIT FROM SCS? (For Workshop Summary see page number 117)
Chairmen:  M. Bedder, USA
            D.E. Sakas, Greece

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<th>Institution</th>
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<td>17:30</td>
<td>PATIENT SELECTION FOR RECHARGEABLE PULSE GENERATORS (RPG)</td>
<td>M. Bedder</td>
<td>Providence Regional Medical Center, Everett, WA, USA</td>
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<td>17:50</td>
<td>PATIENT SELECTION FOR SCS</td>
<td>R. Levy</td>
<td>Professor of Neurological Surgery and Associate Professor of Physiology North Western, Washington, DC, USA</td>
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<td>18:10</td>
<td>SPINAL CORD STIMULATION FOR ANGINA PECTORIS AND PERIPHERAL VASCULAR DISEASE</td>
<td>R. North</td>
<td>The Sandra and Malcolm Berman Brain &amp; Spine Institute, Baltimore, MD, USA</td>
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<td>DISCUSSION</td>
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<td>19:00</td>
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17:30-19:00  HALL D (Mechanisms)

WORKSHOP – MECHANISMS 3: WIDESPREAD NON DERMATOMAL SOMATOSENSORY DEFICITS: WHERE ARE THEY COMING FROM? (For Workshop Summary see page number 118)
Chairmen:  A. Mailis Gagnon, Canada
            G. Hans, Belgium

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<tr>
<td>17:30</td>
<td>ON THE NATURE OF NONDERMATOMAL SOMATOSENSORY DEFICITS</td>
<td>A. Mailis-Gagnon</td>
<td>Toronto Western Hospital, University of Toronto, Toronto, ON, Canada</td>
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<tr>
<td>17:50</td>
<td>PAIN ASSOCIATED LOCALIZED FUNCTIONAL HYPOESTHESIA - UNDERLYING MECHANISMS, CLINICAL PRESENTATION AND DIAGNOSTIC PITFALLS</td>
<td>C. Geber</td>
<td>Klinik und Poliklinik für Neurologie, Universitätsmedizin der Johannes Gutenberg-Universität, Mainz, Germany</td>
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<td>18:10</td>
<td>NONDERMATOMAL SOMATOSENSORY DEFICITS IN PATIENTS WITH CHRONIC PAIN DISORDER: HYPOMETABOLIC PATTERN IN FDG-PET</td>
<td>N. Egloff</td>
<td>Internal Medicine, University of Bern, Bern, Switzerland</td>
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<td>18:30</td>
<td>DISCUSSION</td>
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17:30-19:00  HALL E (Assessment and Psychology)

WORKSHOP – ASSESSMENT AND PSYCHOLOGY 3: LEARNING AND THE PLACEBO EFFECT
(For Workshop Summary see page number 119)
Chairmen: F. Benedetti, Italy
           M. Bond, UK

17:30  CAN WE CREATE PLACEBO RESPONDERS AND NON-RESPONDERS IN THE LAB?
       F. Benedetti
       Department of Neuroscience, University of Turin Medical School, Turin, Italy

17:50  THE MAGNITUDE OF PLACEBO EFFECTS IN RELATION TO EXPERIMENTAL PAIN AND CHRONIC PAIN CONDITIONS
       L. Vase
       University of Aarhus, Aarhus, Denmark

18:10  THE ROLE OF PREFRONTAL CORTEX IN CONDITIONED PLACEBO ANALGESIA
       C. Porro
       University of Modena Department of Biomedical Sciences, Modena, Italy

18:30  DISCUSSION

19:00  WELCOME RECEPTION

17:30-19:00  HALL F (Structure and Organisation of the CNS)

WORKSHOP – STRUCTURE AND ORGANISATION OF THE CNS 3: MECHANISMS OF TGN
(For Workshop Summary see page number 120)
Chairmen: J. Zakrzewska, UK
           T. Nurmikko, UK

17:30  EXPLAINING BASIC SCIENCE CONCEPTS TO PATIENTS WITH TRIGEMINAL PAIN
       J. Zakrzewska
       Facial Pain, University College London, London, UK

17:50  INVOLVEMENT OF ASTROGLIAL ACTIVATION IN TRIGEMINAL NEUROPATHIC PAIN
       K. Iwata
       Physiology School of Dentistry, Nihon University, Tokyo, Japan

18:10  CONTRIBUTION OF PRIMARY AFFERENT INPUT TO TRIGEMINAL GLIAL ACTIVATION, CYTOKINE INDUCTION AND NMDA RECEPTOR PHOSPHORYLATION
       K. Ren
       Neural and Pain Sciences, University of Maryland, Baltimore, MD, USA

18:30  DISCUSSION

19:00  WELCOME RECEPTION