

# **Second International Congress on Neuropathic Pain**

Berlin, Germany  
June 7 – 10, 2007

Program booklet

For abstracts please see:

European Journal of Pain, Volume: 11, Issue: 1, Supplement, June, 2007

# Thursday, June 7, 2007

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<b>13:30 – 14:20</b>	<b>Opening Ceremony</b>	<b>Hall A</b>
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<b>14:30 – 15:15</b>	<b>Keynote Address</b>	<b>Hall A</b>
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THE HISTORY OF NEUROPATHIC PAIN: SO  
MANY TARGETS, SO FEW DRUGS.  
A.I. Basbaum

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<b>15:30 – 17:00</b>	<b>Industry Sponsored Symposium</b>	<b>Hall A</b>
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NEUROPATHIC PAIN – IS PREVENTION POSSIBLE?  
Sponsored by Pfizer

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<b>17:00 - 1730</b>	<b>Coffee Break</b>	<b>Exhibition Area</b>
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<b>17:30 – 19:00</b>	<b>Parallel Workshops</b>	<b>Halls B - G</b>
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HALL B: DIAGNOSIS OF NEUROPATHIC PAIN – BRAIN EVOKED  
POTENTIALS

HALL C: NEUROPATHIC PAIN – DEFINITION AND SCREENING

HALL D: ECTOPIC DISCHARGES IN C-NOCICEPTORS AS A  
CAUSE OF NEUROPATHIC PAIN

HALL E: HUMAN SURROGATE MODELS OF NEUROPATHIC  
PAIN: AN OBLIGATORY INTERMEDIARY OF  
TRANSLATIONAL RESEARCH

HALL F: INVESTIGATION OF CENTRAL PAIN MECHANISMS IN  
HUMANS

HALL G: CANNABINOIDS – DEVELOPING CLINICALLY USEFUL  
ANALGESICS

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<b>19:00 – 20:00</b>	<b>Welcome Reception</b>	<b>Exhibition Area</b>
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# Thursday, June 7, 2007

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13:30 - 14:20

Hall A

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## OPENING CEREMONY

### WELCOME ADDRESS BY:

- 13:30 CHAIRMAN, SPECIAL INTEREST GROUP ON NEUROPATHIC PAIN OF IASP  
**R.H. Dworkin**, Rochester, USA
- 13:35 PRESIDENT, INTERNATIONAL ASSOCIATION FOR THE STUDY OF PAIN  
**T.S. Jensen**, Department of Neurology and Danish Pain Research Center, Aarhus University Hospital, Denmark
- 13:40 PRESIDENT, EUROPEAN FEDERATION OF IASP CHAPTERS  
**S. Erdine**, Department of Algology, Medical Faculty of Istanbul, Turkey
- 13:45 PRESIDENT ELECT, GERMAN PAIN SOCIETY (DGSS)  
**R-D. Treede**, Institute of Physiology and Pathophysiology, Johannes Gutenberg University, Mainz, Germany
- 13:50 GERMAN FEDERAL MINISTRY OF EDUCATION AND RESEARCH  
**P. Lange**
- 14:00 CHAIRMAN, SCIENTIFIC PROGRAM COMMITTEE  
**R. Baron**, Division of Neurological Pain Research and Therapy, Department of Neurology, University Hospital, Kiel, Germany
- 14:05 GERMAN ACHEIVEMENTS IN PAIN RESEARCH  
**T.R. Tölle**, Neurologische Klinik, Munich, Germany

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14:30 - 15:15

Hall A

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## KEYNOTE ADDRESS

Chairperson: **R. Baron**, Germany

- 14:30 THE HISTORY OF NEUROPATHIC PAIN: SO MANY TARGETS, SO FEW DRUGS.  
**A.I. Basbaum**, Department of Anatomy, University of California San Francisco, USA

**PFIZER INDUSTRY SPONSORED SYMPOSIUM:**

**NEUROPATHIC PAIN - IS PREVENTION POSSIBLE?**

Chairman: **R. Baron**, Germany

Abstract No

- |       |  |     |
|-------|--|-----|
| 15:30 | CHAIRMAN'S INTRODUCTION<br><b>R. Baron</b> , Division of Neurological Pain Research and Therapy, Department of Neurology, University Hospital, Kiel, Germany   |     |
| 15:40 | THE EVOLUTION OF CHRONIC PAIN - POTENTIAL TARGETS FOR PREVENTION<br><b>C.J. Woolf</b> , Professor of Anesthesia Research, Director, Neural Plasticity Research Group, Department of Anesthesia & Critical Care, Massachusetts General Hospital & Harvard Medical School, Boston, MA, USA | 123 |
| 16:00 | CAN WE IDENTIFY PATIENTS WHO NEED PREVENTIVE THERAPY?<br><b>T.S. Jensen</b> , Professor of Neurology & Experimental & Clinical Pain Research, Department of Neurology & Danish Pain Research Center, Aarhus University Hospital, Denmark   | 124 |
| 16:20 | PREVENTION OF CHRONIC POST-SURGICAL PAIN - CLINICAL TRIALS CONSIDERATIONS<br><b>H. Kehlet</b> , Professor of Perioperative Therapy, Section for Surgical Pathophysiology, The Juliane Marie Centre, Rigshospitalet, Copenhagen, Denmark  | 125 |
| 16:40 | PANEL DISCUSSION   |     |
| 17:00 | COFFEE BREAK   |     |

# Thursday, June 7, 2007

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17:30 - 19:00

Hall B

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**Workshop - Assessment and Diagnosis 1:  
DIAGNOSIS OF NEUROPATHIC PAIN- BRAIN EVOKED  
POTENTIALS**

Chairpersons: **G.D. Iannetti**, UK  
**U. Baumgärtner**, Germany

Abstract No

- For Workshop Summary see abstract number 12
- 17:30 LASER-EVOKED POTENTIALS IN PERIPHERAL NEUROPATHY  
**U. Baumgärtner**, Institute of Physiology and Pathophysiology, Johannes-Gutenberg University, Mainz, Germany 13
- 17:50 DIAGNOSTIC ROLE OF LASER EVOKED POTENTIALS IN CENTRAL NEUROPATHIC PAIN  
**L. Garcia-Larrea**, INSERM, Central Integration of Pain Unit, Hôpital Neurologique, University of Lyon1, France 14
- 18:10 BRAIN POTENTIALS EVOKED BY MECHANICAL STIMULI: A NEW TOOL FOR ASSESSING CENTRAL SENSITISATION?  
**G.D. Iannetti**, Department of Physiology, Anatomy and Genetics, University of Oxford, UK 15
- 18:30 DISCUSSION

# Thursday, June 7, 2007

17:30 - 19:00

Hall C

## Workshop - Epidemiology and Health Care Systems 1: NEUROPATHIC PAIN - DEFINITION AND SCREENING

Chairpersons: **T.S. Jensen**, Denmark  
**P.T. Hansson**, Sweden

Abstract No

	For Workshop Summary see abstract	16
17:30	NEUROPATHIC PAIN QUESTIONNAIRES: COULD THEY BE USED IN CLINICAL RESEARCH? <b>D. Bouhassira</b> , INSERM U-792, Hopital Ambroise Paré, Boulogne-Billancourt, France	17
17:50	NEW SCREENING TOOLS FOR NEUROPATHIC PAIN: ARE THEY USEFULL FOR DAILY CLINICAL ROUTINE? <b>R. Freynhagen</b> , Department of Anaesthesiology, Pain Clinic, Universitaetsklinikum Duesseldorf, Germany	18
18:10	NEUROPATHIC PAIN: DEFINITION AND SCREENING <b>T.S. Jensen</b> , Department of Neurology and Danish Pain Research Center, Aarhus University Hospital, Denmark	19
18:30	DISCUSSION	

# Thursday, June 7, 2007

17:30 - 19:00

Hall D

**Workshop - Basic Sciences 1:  
ECTOPIC DISCHARGES IN C-NOCICEPTORS AS A  
CAUSE OF NEUROPATHIC PAIN**

Chairpersons: **J. Serra**, Spain  
**M. Devor**, Israel

Abstract No

	For Workshop Summary see abstract number	20
17:30	ECTOPIC DISCHARGES IN C-NOCICEPTORS AS A CAUSE OF NEUROPATHIC PAIN <b>J. Serra</b> , Department of Neurology, Mc Mutual, Barcelona, Spain	21
17:50	ERYTHROMELALGIA AS A HUMAN MODEL OF C- FIBER HYPEREXCITABILITY <b>S.G. Waxman</b> <sup>1,2</sup> , <sup>1</sup> Department of Neurology, Yale University School of Medicine, New Haven, <sup>2</sup> Neuroscience Research Centre, VA Connecticut, West Haven, CT, USA	22
18:10	CELLULAR PROCESSES ASSOCIATED WITH ECTOPIA <b>M. Devor</b> , Department Cell & Animal Biology, Institute of Life Sciences, and Center for Research on Pain, Hebrew University of Jerusalem, Israel	23
18:30	DISCUSSION	

# Thursday, June 7, 2007

17:30 - 19:00

Hall E

**Workshop - Mechanisms And Translational Research 1:  
HUMAN SURROGATE MODELS OF NEUROPATHIC  
PAIN: AN OBLIGATORY INTERMEDIARY OF  
TRANSLATIONAL RESEARCH**

Chairpersons: **T. Klein**, Germany  
**G. Wasner**, Germany

Abstract No

- For Workshop Summary see abstract number 24
- 17:30 HUMAN SURROGATE MODELS OF PAIN  
MEMORY: IMPLICATIONS FOR MECHANISMS OF  
CENTRAL SENSITIZATION AND RELATED  
TREATMENT OPTIONS IN NEUROPATHIC PAIN  
PATIENTS  
**T. Klein**, Institute of Physiology and Pathophysiology,  
Johannes Gutenberg-University, Mainz, Germany 25
- 17:50 SURROGATE MODELS: ADVANTAGES AND  
LIMITATIONS EXEMPLIFIED BY THE SYMPTOM  
OF COLD INDUCED PAIN  
**G. Wasner**<sup>1,2</sup>, <sup>1</sup>Prince of Wales Medical Research  
Institute, University of New South Wales, Randwick,  
NSW, Australia, <sup>2</sup>Division of Neurological Pain  
Research and Therapy, Department of Neurology,  
University Clinic Schleswig-Holstein, Campus Kiel,  
Germany 26
- 18:10 TRANSLATIONAL MEDICINE APPROACHES IN  
DEVELOPMENT OF NOVEL NEUROPATHIC PAIN  
TREATMENTS  
**B.A. Chizh**, GlaxoSmithKline, Addenbrookes Centre  
for Clinical Investigation, Cambridge, UK 27
- 18:30 DISCUSSION



**Workshop - Specific Diseases 1:  
INVESTIGATION OF CENTRAL PAIN MECHANISMS IN  
HUMANS**

Chairpersons: **N. Attal**, France  
**J.O. Dostrovsky**, Canada

Abstract No

- For Workshop Summary see abstract number 28
- 17:30 MECHANISMS OF SPINAL CORD INJURY PAIN -  
EVIDENCE FROM HUMAN STUDIES  
**N. Finnerup**, Department of Neurology, Danish Pain  
Research Centre, Aarhus University Hospital, Aarhus  
Sygehus, Denmark 29
- 17:50 FUNCTIONAL IMAGING OF ALLODYNIA IN  
NEUROPATHIC PAIN  
**R. Peyron**<sup>1,2</sup>, I. Faillenot<sup>3</sup>, L. Garcia-Larrea<sup>2</sup>, B.  
Laurent<sup>1,2</sup>, <sup>1</sup>Inserm Emi 0342, Lyon and Saint  
Etienne, <sup>2</sup>Department of Neurology, CHU Saint  
Etienne, Saint-Etienne, <sup>3</sup>CERMEP (PET-Scan  
Center), Lyon, France 30
- 18:10 ROLE OF THALAMUS IN CENTRAL PAIN - A  
REVIEW OF FINDINGS FROM PATIENTS  
**J.O. Dostrovsky**, Department of Physiology,  
University of Toronto, Ontario, Canada 31
- 18:30 DISCUSSION

# Thursday, June 7, 2007

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17:30 - 19:00

Hall G

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**Workshop - Therapy 1:  
CANNABINOIDS - DEVELOPING CLINICALLY USEFUL  
ANALGESICS**

Chairpersons: **A.S.C. Rice**, UK  
**J.E. Charlton**, UK

Abstract No

- For Workshop Summary see abstract number 32
- 17:30 CANNABINOIDS AND NEUROPATHIC PAIN -  
LABORATORY EVIDENCE  
**A.S.C. Rice**, Imperial College, London, UK
- 17:50 CANNABINOIDS AND NEUROPATHIC PAIN -  
CLINICAL EVIDENCE  
**F.W. Bach**, Aarhus University Hospital, Danish Pain  
Research Center, Denmark
- 18:10 CANNABIS CONCERNS AND CAUTIONS  
**S. Lawrie**, Reader in Psychiatry, University of  
Edinburgh, Scotland, UK 33
- 18:30 DISCUSSION



# Friday, June 8, 2007

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**08:00 – 09:00 Parallel Industry Sponsored Symposia**

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**HALL C:** LACOSAMIDE – A NEW ANTICONVULSANT FOR THE TREATMENT OF PAINFUL DIABETIC NEUROPATHY

Sponsored by SCHWARZ PHARMA

**HALL G:** LOCALISED APPROACHES TO THE MANAGEMENT OF NEUROPATHIC PAIN SYNDROMES

Sponsored by NeurogesX

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**09:00 – 11:00 Plenary Session Hall A**

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TREATMENT OF NEUROPATHIC PAIN FROM BENCH TO BEDSIDE

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**11:00 – 11:30 Coffee Break Exhibition Area**

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**11:30 – 13:00 Industry Sponsored Symposium Hall A**

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NEUROSTIMULATION THERAPY – COMPELLING NEW EVIDENCE FOR MANAGING DRUG REFRACTORY NEUROPATHIC PAIN

Sponsored by Medtronic

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**13:00 – 13:30 Lunch Break Exhibition Area**

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**13:30 – 15:30 POSTER SESSION 1 Exhibition Area**

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- ANIMAL MODELS
  - CLINICAL – PHARMACOTHERAPY
  - DIAGNOSIS / ASSESSMENT
  - HUMAN IMAGING
  - POSTHERPETIC NEURALGIA, CRPS
  - CANCER & CRANIOFACIAL PAIN
  - NEUROPATHY
- 

**15:30 – 17:00 Parallel Workshops Halls B - G**

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HALL B: QST IN RESEARCH AND CLINICAL TRIALS

HALL C: NEUPSIG GUIDELINES ON CLASSIFICATION, ASSESSMENT & TREATMENT

HALL D: MAPK ACTIVATION IN NEUROPATHIC PAIN

HALL E: COLD PAIN – FROM SKIN TO BRAIN

HALL F: PHANTOM LIMB PAIN – MECHANISMS & THERAPY

HALL G: SPINAL CORD TREATMENT FOR NEUROPATHIC PAIN – WHERE IS THE EVIDENCE?

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**17:30 – 19:00 Industry Sponsored Symposium Hall A**

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SYNERGY

Sponsored by Mundipharma

# Friday, June 8, 2007

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08:00 - 09:00\*

Hall C

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**SCHWARZ PHARMA INDUSTRY SPONSORED  
BREAKFAST SYMPOSIUM:  
LACOSAMIDE - A NEW ANTICONVULSANT FOR THE  
TREATMENT OF PAINFUL DIABETIC NEUROPATHY**

Abstract No

- For Symposium Summary see abstract number 126
- 08:00 A PRE-CLINICAL VIEW ON LACOSAMIDE: A DIFFERENT MODE OF ACTION - A DIFFERENT PROFILE?  
**C.L. Sommer**, Clinic for Neurology, University of Wuerzburg, Germany
- 08:25 A CLINICAL VIEW ON LACOSAMIDE: A NEW DRUG TAILORED FOR DIABETIC PATIENTS WITH PAINFUL NEUROPATHY?  
**D. Ziegler**, German Center for Diabetes, Heinrich-Heine University Düsseldorf, Germany
- 08:50 DISCUSSION

\* Registration and Breakfast from 07:00

# Friday, June 8, 2007

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08:00 - 09:00\*

Hall G

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**NEUROGESX INDUSTRY SPONSORED BREAKFAST SYMPOSIUM:  
LOCALIZED APPROACHES TO THE MANAGEMENT OF NEUROPATHIC PAIN SYNDROMES**

Chairpersons: **M.S. Wallace**, USA  
**M. Backonja**, USA

Abstract No

For Symposium Summary see abstract number 127

- 08:00 OPENING REMARKS  
**M.S. Wallace**, Professor of Clinical Anesthesiology, University of California, San Diego, USA
- 08:15 CUTANEOUS NOCICEPTOR HYPERACTIVITY  
**M. Backonja**, University of Wisconsin Hospital & Clinics, Madison, Wisconsin, USA
- 08:25 LOCAL THERAPEUTIC OPTIONS  
**M.S. Wallace**, Professor of Clinical Anesthesiology, University of California, San Diego, California, USA
- 08:45 QUESTION AND ANSWER SESSION  
**M.S. Wallace**<sup>1</sup>, **M. Backonja**<sup>2</sup>, <sup>1</sup>Professor of Clinical Anesthesiology, University of California, San Diego, USA, <sup>2</sup>University of Wisconsin Hospital & Clinics, Madison, Wisconsin, USA

\* Registration and Breakfast from 07:00

# Friday, June 8, 2007

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09:00 - 11:00

Hall A

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**PLENARY SESSION:**

**TREATMENT OF NEUROPATHIC PAIN FROM BENCH TO BEDSIDE**

Chairpersons: **R-D. Treede**, Germany  
**K. Noguchi**, Japan

Abstract No

- |       |  |   |
|-------|--|---|
| 09:00 | THE ROLE OF POTASSIUM AND OTHER CHANNELS IN THE PATHOPHYSIOLOGY AND TREATMENT OF NEUROPATHIC PAIN<br><b>A.H. Dickenson</b> , Pharmacology University College London, UK  | 1 |
| 09:30 | EVIDENCE-BASED MEDICAL TREATMENT OF NEUROPATHIC PAIN<br><b>S.H. Sindrup</b> , Department of Neurology, Odense University Hospital, Denmark   | 2 |
| 10:00 | EVIDENCE-BASED ASSESSMENT OF INTERVENTIONAL TREATMENTS FOR NEUROPATHIC PAIN<br><b>H.J. McQuay</b> , University of Oxford, Pain Relief Unit, Churchill Hospital, UK   | 3 |
| 10:30 | COMBINATION DRUG THERAPY FOR NEUROPATHIC PAIN<br><b>I. Gilron</b> , Associate Professor, Director of Clinical Pain Research, Departments of Anesthesiology, and Pharmacology & Toxicology, Queen's University, USA | 4 |
| 11:00 | COFFEE BREAK   |   |

# Friday, June 8, 2007

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11:30 - 13:00

Hall A

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**MEDTRONIC INDUSTRY SPONSORED SYMPOSIUM:**

**NEUROSTIMULATION THERAPY-COMPELLING NEW EVIDENCE FOR MANAGING DRUG REFRACTORY NEUROPATHIC PAIN**

Chairpersons: **R. Baron**, Germany  
**R. Taylor**, UK

Abstract No

- |       |   |     |
|-------|---|-----|
| 11:30 | WELCOME & OPENING<br><b>R. Baron</b> , Germany, <b>R. Taylor</b> , UK   |     |
| 11:35 | THE PROCESS STUDY – RCT OF NEUROSTIMULATION THERAPY VERSUS CONVENTIONAL MEDICAL MANAGEMENT IN NEUROPATHIC BACK AND LEG PAIN<br><b>S. Eldabe</b> , Department of Pain & Anaesthesia, James Cook University Hospital, Middlesbrough, UK | 128 |
| 12:00 | SPINAL CORD STIMULATION IN DRUG REFRACTORY NEUROPATHIC PAIN: WHERE ARE WE AND WHERE ARE WE GOING?<br><b>P.T. Hansson</b> , Pain Center, Department of Neurosurgery, Karolinska University Hospital, Solna, Stockholm, Sweden          | 129 |
| 12:25 | CLINICAL EXPERIENCE WITH NEUROSTIMULATION THERAPY - WHICH PATIENTS WHEN?<br><b>J-P. Van Buyten</b> , AZ Nicolaas - Campus SM, St. Niklaas, Belgium  | 130 |
| 12:50 | DISCUSSION  |     |
| 13:00 | LUNCH BREAK   |     |



# Friday, June 8, 2007

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13:30 - 15:30

Exhibition Area

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**POSTER SESSION 1:**

(See pages 17 – 48)

- ANIMAL MODELS (Boards 1 – 35)
- CLINICAL – PHARMACOTHERAPY (Boards 36 – 59)
- DIAGNOSIS / ASSESSMENT (Boards 60 – 77)
- HUMAN IMAGING (Boards 78 – 87)
- POSTHERPETIC NEURALGIA, CRPS (Boards 88 – 107)
- CANCER & CRANIOFACIAL PAIN (Boards 108 – 116)
- NEUROPATHY (Boards 117 – 155)

## POSTER SESSION 1: ANIMAL MODELS

Board No		Abstract No
1	<p>GABAPENTIN AND PREGABALIN SUPPRESS MECHANO-COLD ALLODYNIA IN THE SPARED NERVE INJURY (SNI) MODEL OF NEUROPATHIC PAIN</p> <p>S. Oerther, <b>K. Ängeby Möller</b>, V. Tapp, H. Gustafsson, Disease Biology, AstraZeneca R&amp;D Sodertalje, Sweden</p>	136
2	<p>ANTINOCICEPTIVE EFFECT OF BOTULINUM TOXIN TYPE A IN EXPERIMENTAL DIABETIC NEUROPATHY</p> <p><b>L. Bach-Rojecky</b><sup>1</sup>, M. Salkovic-Petrisic<sup>2</sup>, Z Lackovic<sup>2</sup>, <sup>1</sup>Department of Pharmacology, School of Pharmacy and Biochemistry, University of Zagreb, <sup>2</sup>Laboratory of Molecular Neuropharmacology, Department of Pharmacology &amp; Croarian Brain Research Institute, Medical School, University of Zagreb, Croatia</p>	137
3	<p>SPINAL CORD EXCITEMENT: DESCENDING PATHWAYS THAT MODULATE DORSAL HORN EXCITABILITY IN PATHOPHYSIOLOGICAL STATES</p> <p><b>L.A. Bee</b>, A.H. Dickenson, Pharmacology Department, UCL, London, UK</p>	138
4	<p>CAPSAICIN AVOIDANCE FOLLOWING CHORDA TYMPANI TRANSECTION</p> <p><b>E. Carstens</b><sup>1</sup>, M. Iodi Carstens<sup>1</sup>, Y. Boucher<sup>2</sup>, <sup>1</sup>Neurobiology, Physiology &amp; Behavior, University California, Davis, CA, USA, <sup>2</sup>Odontologie, University Paris 7, France</p>	139
5	<p>EFFICACY OF TAPENTADOL, A NOVEL CENTRALLY ACTING ANALGESIC WITH DUAL MODE OF ACTION, IN ANIMAL MODELS OF CHRONIC NEUROPATHIC PAIN</p> <p><b>T. Christoph</b>, M. Meen, J. De Vry, T.M. Tzschentke, Preclinical Research and Development, Grunenthal GmbH, Aachen, Germany</p>	140
6	<p>BOTULINUM NEUROTOXINS: NEW FRONTIERS IN NEUROPATHIC PAIN THERAPY?</p> <p><b>S. Cobianchi</b>, S. Marinelli, S. Luvisetto, F. Pavone, CNR, Institute of Neuroscience, Roma, Italy</p>	141

## POSTER SESSION 1: ANIMAL MODELS (cont)

Board No		Abstract No
7	<p>CHRONIC POST-ISCHEMIA PAIN: A NOVEL ANIMAL MODEL SUGGESTS THAT ISCHEMIA-REPERFUSION (I-R) INJURY, NO-REFLOW AND CHRONIC TISSUE ISCHEMIA CONTRIBUTE TO CRPS-I</p> <p>A. Laferriere<sup>1,2</sup>, M. Millecamps<sup>1,2</sup>, D.N. Xanthos<sup>1,3</sup>, W. Xiao<sup>1,2,4</sup>, G.J. Bennett<sup>1,2,4</sup>, <b>T.J. Coderre</b><sup>1,2,3</sup>, <sup>1</sup>Centre for Research on Pain, <sup>2</sup>Department of Anesthesia, <sup>3</sup>Department of Psychology, <sup>4</sup>Faculty of Dentistry, McGill University, Montreal, Quebec, Canada</p>	142
8	<p>VANILLOID RECEPTOR 1-POSITIVE NEURONS MEDIATE NEUROPATHIC PAIN</p> <p><b>J.G. Cui</b>, G. Tender, Y.Y. Li, N.G. Bazan, Neuroscience Center, School of Medicine, Louisiana State University, New Orleans, USA</p>	143
9	<p>SPONTANEOUS PAIN BEHAVIOUR IS RELATED TO SPONTANEOUS FIRING FREQUENCY IN UNINJURED NOCICEPTIVE C-FIBRE NEURONS AFTER SPINAL NERVE AXOTOMY.</p> <p><b>L. Djouhri</b>, S. Koutsikou, S.N. Lawson, Department of Physiology, University of Bristol, UK</p>	145
10	<p>MURINE MODELS OF NEUROPATHIC PAIN</p> <p><b>X. Fang</b><sup>1</sup>, H-F. Wei<sup>2</sup>, D.R. Collins<sup>3</sup>, F-Y. Zhao<sup>1</sup>, <sup>1</sup>NeuroSolutions Ltd., Coventry, UK, <sup>2</sup>Department of Pharmacology, Xuan Wu Hospital, Capital University of Medical Sciences, Beijing, China, <sup>3</sup>Warwick Medical School, University of Warwick, Coventry, UK</p>	146
11	<p>OPIOIDS IN ANIMAL MODELS OF NEUROPATHIC PAIN</p> <p><b>M.D. Ferrer</b>, X. Santiveri, P. Ariño, A. Montes, F. Escolano, M.M. Puig, Department of Anaesthesiology, Hospitals Del IMAS, UAB, Barcelona, Spain</p>	147

## POSTER SESSION 1: ANIMAL MODELS (cont)

Board No		Abstract No
12	<p>CATWALK ANALYSIS AND PAIN RESEARCH: GAIT PARAMETERS AS A MEASURE OF INFLAMMATORY PAIN IN THE ACUTE BUT NOT CHRONIC PHASE</p> <p><b>A.F. Gabriel</b>, W.M. Honig, M.A. Marcus, E.A. Joosten, Pain Management and Research Center, Department of Anesthesiology, AZM, Maastricht, The Netherlands</p>	148
13	<p>RESPONSE PROPERTIES OF NOCICEPTIVE NEURONS IN THE AMYGDALA OF THE NEUROPATHIC RAT</p> <p><b>L. Goncalves</b><sup>1,2</sup>, O.B. Ansah<sup>1</sup>, A. Almeida<sup>2</sup>, A. Pertovaara<sup>1</sup>, <sup>1</sup>Institute of Biomedicine &amp; Physiology, University of Helsinki, Finland, <sup>2</sup>Life and Health Sciences Research Institute (ICVS), University of Minho, Braga, Portugal</p>	149
14	<p>TRAMADOL ATTENUATES HYPERALGESIA, ACTIVATION OF NF-KAPPA B AND PRODUCTION OF PROINFLAMMATORY CYTOKINES IN RAT MODEL OF NEUROPATHIC PAIN</p> <p><b>P. Hassanzadeh</b>, Department of Physiology and Pharmacology, Faculty of Medicine, Kurdistan University of Medical Science, Sanandaj, Iran</p>	150
15	<p>MONONEUROPATHIC ANIMALS DISPLAYED DEPRESSIVE-LIKE BEHAVIOUR IN THE MODEL OF FORCED SWIMMING TEST</p> <p><b>B. Hu</b><sup>1</sup>, H. Doods<sup>1</sup>, A. Kremer<sup>1</sup>, K. Roeska<sup>1</sup>, R-D. Treede<sup>2</sup>, A. Ceci<sup>1</sup>, <sup>1</sup>Boehringer Ingelheim Pharma KG, Biberach, <sup>2</sup>Johannes Gutenberg University, Mainz, Germany</p>	151
16	<p>EXPERIMENTAL MANIPULATIONS THAT INFLUENCE THE DEVELOPMENT OF MECHANOCOLD ALLODYNIA IN THE SPARED NERVE INJURY (SNI) MODEL</p> <p><b>K. Hygge-Blakeman</b>, S. Oerther, Disease Biology, AstraZeneca R&amp;D Sodertalje, Sweden</p>	152
17	<p>NADPH-D AND C-FOS IMMUNOREACTIVE NEURONS IN THE RAT BRAIN STEM FOLLOWING PERIPHERAL NERVE INJURY</p> <p><b>S. Jergova</b>, D. Kolesar, D. Cizkova, Institute of Neurobiology, Centre of Excellence, Slovak Academy of Sciences, Kosice, Slovak Republic</p>	153

## POSTER SESSION 1: ANIMAL MODELS (cont)

Board No		Abstract No
18	<p>SUCROSE LOADING DECREASES THERMAL PAIN SENSITIVITY, EVALUATED WITH TAIL-FLICK TEST IN DIABETIC (OLETF), BUT NOT IN NON-DIABETIC (LETO) RATS</p> <p><b>Z.A. Kamenov</b><sup>1,2,4</sup>, H. Higashino<sup>1</sup>, M.K. Todorova<sup>3</sup>, N. Aoki<sup>2</sup>, M. Imamura<sup>2</sup>, V.G. Christov<sup>4</sup>, <sup>1</sup>Department of Pharmacology, <sup>2</sup>Clinic of Endocrinology, Kinki University School of Medicine, Osaka, Japan, <sup>3</sup>Department of Pathophysiology, <sup>4</sup>Clinic of Endocrinology, Medical University, Sofia, Bulgaria</p>	154
19	<p>THE EFFECT OF NITRIC OXIDE ON MECHANICAL AND THERMAL ALLODYNIA IN NEUROPATHIC PAIN MODEL OF RAT</p> <p><b>S.H. Kim</b><sup>1</sup>, S.J. Jung<sup>2</sup>, <sup>1</sup>Department of Neurology, <sup>2</sup>Department of Physiology, College of Medicine, Kangwon National University, Chuncheon, South Korea</p>	155
20	<p>MODIFICATION OF BURSTING ACTIVITIES IN SOMATOSENSORY CORTEX IN INFLAMED-RATS IN VIVO</p> <p><b>K. Koga</b>, H. Shiokawa, M. Mizuno, A. Doi, H. Takase/Mizuguchi, H. Furue, M. Yoshimura, Integrative Physiology, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan</p>	156
21	<p>LACOSAMIDE, AN INVESTIGATIONAL ANALGESIC, DOES NOT SHOW POTENTIAL FOR ABUSE LIABILITY OR DEPENDENCE IN PRECLINICAL TESTS</p> <p><b>N. Krebsfaenger</b>, T. Stoehr, Department of Pharmacology &amp; Toxicology, Schwarz Biosciences GmbH, Monheim, Germany</p>	157
22	<p>COLD SENSITIVITY IS INCREASED IN SPINAL DORSAL HORN WIDE DYNAMIC RANGE (WDR) NEURONS IN SPARED NERVE INJURY (SNI) RATS</p> <p><b>L. Luo</b><sup>1</sup>, H. Gustafsson<sup>2</sup>, K. Hygge-Blakeman<sup>2</sup>, K. Ångeby Möller<sup>2</sup>, O-G. Berge<sup>2</sup>, <sup>1</sup>Molecular Pharmacology, <sup>2</sup>Disease Biology, AstraZeneca R&amp;D, Sodertalje, Sweden</p>	158

## POSTER SESSION 1: ANIMAL MODELS (cont)

Board No		Abstract No
23	<p>DIFFERENCES BETWEEN INFLAMMATORY RESPONSES IN DORSAL ROOT GANGLIA AND SPINAL CORD AFTER CHRONIC CONSTRICTION OR TRANSECTION OF RAT SCIATIC NERVE P. Hu<sup>1</sup>, A.L. Bembrick<sup>2</sup>, K.A. Keay<sup>2</sup>, <b>E.M. McLachlan</b><sup>1</sup>, <sup>1</sup>Prince of Wales Medical Research Institute, Randwick, <sup>2</sup>School of Medical Sciences, University of Sydney, NSW, Australia</p>	159
24	<p>A RAT MODEL FOR CANCER PAIN IN THE TRIGEMINA NERVE AREA S. Nagahata<sup>1</sup>, N. Harano<sup>1</sup>, K. Ono<sup>2</sup>, Y. Seta<sup>3</sup>, S. Shiiba<sup>1</sup>, <b>O. Nakanishi</b><sup>1</sup>, <sup>1</sup>Department of Dental Anesthesiology, <sup>2</sup>Department of Physiology, <sup>3</sup>Department of Oral Anatomy, Kyu-Syu- Dental College, Kitakyusyu, Japan</p>	160
25	<p>ATTENUATION OF FORMALIN-INDUCED NOCICEPTIVE BEHAVIORS FOLLOWING ORAL ADMINISTRATION OF GABAPENTIN AND PREGABALIN <b>S. Oerther</b>, V. Tapp, H. Gustafsson, Disease Biology, AstraZeneca R&amp;D Sodertalje, Sweden</p>	161
26	<p>INFLUENCE OF DIET ON TEMPORAL DEVELOPMENT OF TACTILE ALLODYNIA AND OPIOID HYPOSENSITIVITY FOR 22-WKS IN THE ZUCKER DIABETIC FATTY RAT <b>K.J. Otto</b>, B.D. Wyse, S.M. South, P.J. Cabot, M.T. Smith, School of Pharmacy, The University of Queensland, St Lucia Campus, Brisbane, Queensland, Australia</p>	162
27	<p>TRO19622 TARGETS MITOCHONDRIA AND REVERSES PAIN IN ANIMAL MODELS OF NEUROPATHIC PAIN <b>R.M. Pruss</b><sup>1</sup>, B. Buisson<sup>1</sup>, V. Cuvier<sup>1</sup>, J-L. Abitbol<sup>1</sup>, F. Marchand<sup>2</sup>, J. Grist<sup>2</sup>, M. Malcangio<sup>2</sup>, T. Bordet<sup>1</sup>, <sup>1</sup>Trophos, Marseille, France, <sup>2</sup>Neurorestoration Group, Wolfson CARD, King's College London, UK</p>	163
28	<p>ANXIETY-LIKE BEHAVIOUR IS OBSERVED IN TWO RAT MODELS OF MONONEUROPATHY <b>K. Roeska</b><sup>1</sup>, H. Doods<sup>1</sup>, B. Hu<sup>1</sup>, A. Kremer<sup>1</sup>, R-D. Treede<sup>2</sup>, A. Ceci<sup>1</sup>, <sup>1</sup>Boehringer Ingelheim Pharma KG, Biberach, <sup>2</sup>Johannes Gutenberg University, Mainz, Germany</p>	164

## POSTER SESSION 1: ANIMAL MODELS (cont)

Board No		Abstract No
29	<p>SPINE DEFORMATION IN RAT MODELS OF NEUROPATHIC PAIN CAN CAUSE PAIN RELATED BEHAVIOR</p> <p>V. Kosta, S. Lovric-Kojundzic, L Cambj-Sapunar, <b>D Sapunar</b>, University of Split Medical School, Department of Anatomy, Histology and Embryology, Split, Croatia</p>	165
30	<p>PREGABALIN SUPRASPINALY ACTIVATES THE DESCENDING NORADRENERGIC PAIN INHIBITORY SYSTEM AFTER PERIPHERAL NERVE INJURY</p> <p><b>M. Tanabe</b>, Y. Takeuchi, K. Takasu, H. Ono, Laboratory of CNS Pharmacology, Graduate School of Pharmaceutical Sciences, Nagoya City University, Mizuho-Ku, Nagoya, Japan</p>	166
31	<p>SPINAL CORD STIMULATION IN A MOUSE CHRONIC NEUROPATHIC PAIN MODEL</p> <p><b>M. Truin</b>, Y. Verboeket, W. Honig, R. Deumens, M. van Kleef, E.A. Joosten, Anaesthesiology, Pain Management and Research Center, University Hospital, Maastricht, The Netherlands</p>	167
32	<p>SUSCEPTIBILITY TO NERVE INJURY-INDUCED HYPERSENSITIVITY AND RESPONSIVENESS TO SCS IN DA, PVG, AND PVG-RT1AV1 RATS</p> <p><b>C. Ultenius</b><sup>1</sup>, A. Josephson<sup>2</sup>, Z.Y. Song<sup>1</sup>, B.A. Meyerson<sup>1</sup>, B. Linderoth<sup>1</sup>, O. Lidman<sup>3</sup>, <sup>1</sup>Department of Clinical Neuroscience, Section of Clinical CNS Research, <sup>2</sup>Department of Neuroscience, <sup>3</sup>Department of Clinical Neuroscience, Neuroimmunology Unit, Karolinska Institutet, Stockholm, Sweden</p>	168
33	<p>ORAL ADMINISTRATION OF STAVUDINE INDUCES MECHANICAL HYPERALGESIA AND INCREASED CINC-1 IN THE SPINAL CORD OF RATS</p> <p><b>J. Weber</b><sup>1</sup>, D. Mitchell<sup>1</sup>, B. Mitchell<sup>2</sup>, P.R. Kamerman<sup>1</sup>, <sup>1</sup>Brain Function Research Group, School of Physiology, University of the Witwatersrand, Johannesburg, South Africa, <sup>2</sup>Department of Histology, Royal Surrey County Hospital, Guildford, UK</p>	169

# Friday, June 8, 2007

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13:30 - 15:30

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## POSTER SESSION 1: ANIMAL MODELS (cont)

Board No		Abstract No
34	<p>NOCICEPTIVE RESPONSES TO VASOACTIVE AGENTS IN AN ANIMAL MODEL OF CRPS-I <b>D.N. Xanthos</b><sup>1,3</sup>, T.J.Coderre<sup>1,2,3</sup>, <sup>1</sup>Department of Psychology, <sup>2</sup>Department of Anesthesia, <sup>3</sup>McGill Centre for Research on Pain, McGill University, Montreal, QC, Canada</p>	170
35	<p>A CHRONIC COMPRESSION MODEL OF TRIGEMINAL NEURALGIA <b>D.C. Yeomans</b><sup>1</sup>, J.M. Cuellar<sup>1</sup>, M. Klyukinov<sup>1</sup>, N. Manering<sup>1</sup>, S.R. Levinson<sup>2</sup>, <sup>1</sup>Department of Anesthesia, Stanford University, CA, <sup>2</sup>Department of Physiology and Biophysics, University of Colorado Health Sciences Center, Denver, CO, USA</p>	171



## POSTER SESSION 1: CLINICAL - PHARMACOTHERAPY

- 36 LOCALIZED TREATMENT WITH NGX-4010 SIGNIFICANTLY REDUCED PAIN FOR UP TO 12 WEEKS: A RANDOMIZED, DOUBLE BLIND CONTROLLED STUDY IN POSTHERPETIC NEURALGIA  
**M.M. Backonja**<sup>1</sup>, M.S. Wallace<sup>2</sup>, J. Tobias<sup>3</sup>, M. Elhamy<sup>3</sup>, <sup>1</sup>Neurology, University of Wisconsin - Madison, WI, <sup>2</sup>Anesthesiology, University of California San Diego, <sup>3</sup>NeurogesX, Inc., San Carlos, CA, USA 173
- 37 COADMINISTRATION OF GABAPENTIN WITH LAMOTRIGINE IN NEUROPATHIC PAIN THERAPY: CAN IT IMPROVE THERAPEUTIC COMPLIANCE?  
**B. Battista**, D. Da Prato, D. Tammara, M. Pennimpede, A. Aperto, M. Calderone, R. Palomba, Department of Anesthesiology, Intensive Care and Pain Medicine, Federico II University, Naples, Italy 174
- 38 A COMPARISON OF TCA (AMITRIPTYLINE / NORTRIPTYLINE) AND VENLAFAXINE IN THE TREATMENT OF CHRONIC NON-CANCER PAIN.  
H.K. Bendixen, **A. Bendiksen**, G. Handberg, The Pain Center Funen, Odense University Hospital, Odense, Denmark 175
- 39 PHARMACOLOGICAL COMPARISON OF THE COMBINED MU-OPIOID RECEPTOR AGONIST AND MONOAMINE REUPTAKE INHIBITOR NS7051 WITH TRAMADOL IN ANIMAL EXPERIMENTAL PAIN MODELS.  
**G. Blackburn-Munro**, H.K. Erichsen, E.O. Nielsen, D. Peters, NeuroSearch A/S, Ballerup, Denmark 176
- 40 A MULTI-CENTER, OPEN-LABEL, FOLLOW-ON TRIAL TO ASSESS THE LONG-TERM SAFETY AND EFFICACY OF LACOSAMIDE IN SUBJECTS WITH PAINFUL DIABETIC NEUROPATHY  
**R. Bodenschatz**<sup>1</sup>, M. Bretschneider<sup>2</sup>, S. Thierfelder<sup>2</sup>, S. Bongardt<sup>2</sup>, <sup>1</sup>Neuropsychiatrisches Medizinisches Versorgungszentrum, Mittweida, <sup>2</sup>Schwarz Biosciences GmbH, Monheim, Germany 177
- 41 INTRAVENOUS IMMUNOGLOBULINS TREATMENT IMPROVES PAIN IN DIABETIC LUMBOSACRAL RADICULOPLEXUS NEUROPATHY  
S. Tamburin<sup>1,2</sup>, A. Forgiione<sup>2</sup>, **C. Cacciatori**<sup>1,2</sup>, D. Idone<sup>2</sup>, G. Zanette<sup>1,2</sup>, <sup>1</sup>University of Verona, Department of Neurological Sciences & Vision, <sup>2</sup>Section of Neurology, Pederzoli Hospital, Peschiera Del Garda, Verona, Italy 178

# Friday, June 8, 2007

13:30 - 15:30

## POSTER SESSION 1: CLINICAL - PHARMACOTHERAPY (cont)

Board No		Abstract No
42	<p>BUPRENORPHINE PATCH IN NON MALIGNANT LOW BACK PAIN : OUR EXPERIENCE <b>C. Di Maria</b><sup>1</sup>, V. Palmieri<sup>1</sup>, L. Di Lorenzo<sup>2</sup>, A.M. Forte<sup>2</sup>, C. Trombetti<sup>2</sup>, E. De Blasio<sup>1</sup>, <sup>1</sup>Anaesthesia Department &amp; Pain Unit, <sup>2</sup>Rehabilitation Unit, Ospedale Rummo, Benevento, Italy</p>	179
43	<p>A DIFFERENT ANALGESIC LADDER FOR NEUROPATHIC PAIN? <b>R. Galvez</b>, S. Ruiz, J. Romero, Pain Clinic, Department of Anaesthesia, "Virgen De Las Nieves" University Hospital, Granada, Spain</p>	180
44	<p>METHADONE IN MANAGEMENT OF INTRACTABLE NEUROPATHIC PAIN E.Y. Cardona<sup>1</sup>, <b>A.A. Kassian</b><sup>2</sup>, <sup>1</sup>Pain Clinic, General Hospital, Mexico City D.F., México</p>	181
45	<p>INTRADERMAL ADMINISTRATION OF BOTULINUM TOXIN, TYPE A, IS EFFECTIVE IN TREATING NEUROPATHIC PAIN DISORDERS <b>W.R. Knoderer</b>, J.C. Krusz, Anodyne Headache and PainCare, Dallas, Texas, USA</p>	182
46	<p>EFFECTIVENESS OF IV THERAPY FOR PAIN IN THE CLINIC <b>J.C. Krusz</b>, J. Cagle, J. Belanger, V. Scott-Krusz, Anodyne Headache and PainCare, Dallas, Texas, USA</p>	183
47	<p>THE TOPICAL USE OF AMITRIPTILINE AND LIDOCAINE FOR THE TREATMENT OF CHRONIC NEUROPATHIC PAIN <b>T.Y. Lin</b>, M.J. Teixeira, T.R. Zakka, A.M. Maia, M.F. Murari, L. Dardin, Pain Center, Hospital Das Clinicas, University of Sao Paulo School of Medicine, Sao Paulo, SP, Brazil</p>	184
48	<p>TRANSDERMAL BUPIVACAINE FOR NEUROPATHIC PAIN: CLINICAL DEVELOPMENT PROGRESS <b>D. Lissin</b><sup>1</sup>, J. Shah<sup>1</sup>, M. Drass<sup>2</sup>, J. Johnston<sup>1</sup>, A. Miksztal<sup>1</sup>, S. Yum<sup>1</sup>, <sup>1</sup>DURECT Corporation, Cupertino, CA, <sup>2</sup>Allegheny Pain Management, Altoona, PA, USA</p>	185
49	<p>TREATMENT OF NEUROPATHIC PAIN IN CRPS TYPR-I ON A POLYPHARMACOLOGICAL BASIS <b>A. Moesker</b>, Pain Treatment Department, Refaja Hospital, Stadskanaal, The Netherlands</p>	187

## POSTER SESSION 1: CLINICAL - PHARMACOTHERAPY (cont)

Board No		Abstract No
50	<p>PROSPECTIVE STUDY OF THE PHARMACOLOGIC MANAGEMENT OF CHRONIC NEUROPATHIC NON-CANCER PAIN</p> <p><b>D.E. Moulin</b><sup>1</sup>, P.K. Morley-Forster<sup>1</sup>, B. Connolly<sup>1</sup>, J. Guerin<sup>1</sup>, A.J. Clark<sup>2</sup>, <sup>1</sup>Interdisciplinary Pain Program, University of Western Ontario, London, Ontario, <sup>2</sup>Department of Anesthesia, University of Calgary, Calgary, Alberta, Canada</p>	188
51	<p>ORAL PROLONGED RELEASE (PR) OXYCODONE/NALOXONE COMBINATION REDUCES OPIOID-INDUCED BOWEL DYSFUNCTION (OIBD) IN PATIENTS WITH SEVERE CHRONIC PAIN</p> <p><b>S. Müller-Lissner</b><sup>1</sup>, P. Leyendecker<sup>2</sup>, M. Hopp<sup>2</sup>, C. Ruckes<sup>2</sup>, W. Fleischer<sup>2</sup>, K. Reimer<sup>2</sup>, <sup>1</sup>Park-Klinik Weissensee, Berlin, <sup>2</sup>Mundipharma Research GmbH &amp; Co. KG, Limburg, Germany</p>	189
52	<p>NEUROPHATIC PAIN IN ROMANIA: A PHARMACOEPIDEMIOLOGIC APPROACH</p> <p><b>O.C. Mungiu</b>, L. Tartau, "Gr.T. Popa" University of Medicine and Pharmacy, Center for the Study and Treatment of Pain, Iasi, Romania</p>	190
53	<p>ASSOCIATION OF BUPRENORPHINE TDS AND PREGABALIN IN THE TREATMENT OF LOW BACK PAIN</p> <p>V. Pota, M. Maisto, M.C. Pace, M. Iannotti, E.G. Ruggiero, E. Galdo, M.B. Passavanti, <b>C. Aurilio</b>, Department. of Anaesthesiological, Surgical and Emergency Sciences. Second University of Naples, Naples, Italy</p>	191
54	<p>EFFICACY AND TOLERABILITY OF OXICODONE FOR TREATING NEUROPATHIC PAIN</p> <p><b>M. Sanjuan Alvarez</b>, P. Molano Diaz, L. Gutierrez Garcia, Anesthesiology, La Paz Hospital, Madrid, Spain</p>	192
55	<p>HYOSCINE-N-BUTYL BROMIDE FAILED TO PREVENT TOLERANCE DEVELOPMENT TO THE ANTINOCICEPTIVE EFFECT OF PILOCARPINE</p> <p><b>Z. Sezer</b>, G. Sezer, Y. Tekol, Department of Pharmacology, University of Erciyes, Faculty of Medicine, Kayseri, Turkey</p>	193

## POSTER SESSION 1: CLINICAL - PHARMACOTHERAPY (cont)

Board No		Abstract No
56	<p>FENTANYL BUCCAL TABLET (FBT) IN THE TREATMENT OF BREAKTHROUGH PAIN IN OPIOID-TOLERANT PATIENTS WITH CHRONIC NEUROPATHIC PAIN: RANDOMIZED, PLACEBO-CONTROLLED STUDY</p> <p><b>D.M. Simpson</b><sup>1</sup>, F. Xie<sup>2</sup>, J. Messina<sup>2</sup>, <sup>1</sup>Mount Sinai Medical Center, New York, NY, <sup>2</sup>Cephalon, Inc., Frazer, PA, USA</p>	194
57	<p>LACOSAMIDE DEMONSTRATES NO POTENTIAL FOR QTC-PROLONGATION</p> <p>D. Thomas, J. Zisowsky, <b>R. Horstmann</b>, Clinical Development, Schwarz BioSciences, Monheim, Germany</p>	195
58	<p>LOW POTENTIAL FOR DRUG-DRUG-INTERACTION OF LACOSAMIDE</p> <p><b>D. Thomas</b><sup>1</sup>, U. Scharfenecker<sup>2</sup>, B. Nickel<sup>1</sup>, P. Doty<sup>3</sup>, W. Cawello<sup>1</sup>, R. Horstmann<sup>1</sup>, <sup>1</sup>Clinical Development, Schwarz BioSciences, Monheim, Germany, <sup>2</sup>Department of ADME, Schwarz Biosciences, Monheim, Germany, <sup>3</sup>Clinical Development, Schwarz Biosciences Inc., Raleigh, NC, USA</p>	196
59	<p>APPLICATION OF LIDOCAINE PATCHES 5%: HOW MANY PATCHES NEED TO BE APPLIED ON A DAILY BASE IN ROUTINE CLINICAL PRACTICE?</p> <p><b>K. Van Maldeghem</b><sup>1</sup>, P. Bruyneel<sup>2</sup>, K. Deseure<sup>3</sup>, D. Robert<sup>1</sup>, G. Hans<sup>1</sup>, <sup>1</sup>Multidisciplinary Pain Center <sup>2</sup>Pharmacy Department, Antwerp University Hospital, Edegem, <sup>3</sup>Pain Research Laboratory, University of Antwerp, Wilrijk, Belgium</p>	197

## POSTER SESSION 1: DIAGNOSIS/ASSESSMENT

Board No		Abstract No
60	<p>LASER EVOKED POTENTIALS IN CARPAL TUNNEL SYNDROME <b>M. De Tommaso</b><sup>1</sup>, G. Libro<sup>2</sup>, M. Sardaro<sup>1</sup>, C. Serpino<sup>1</sup>, C. Pecoraro<sup>1</sup>, O. Difruscolo<sup>1</sup>, B. Passarella<sup>2</sup>, P. Livrea<sup>1</sup>, <sup>1</sup>Neurological and Psychiatric Sciences Department, University of Bari, <sup>2</sup>Neurological Department, Perrino Hospital, Brindisi, Italy</p>	198
61	<p>PERSISTENT IDIOPATHIC FACIAL PAIN (PIFP): THE ROLE OF NEUROPHYSIOLOGICAL (NFS) EVALUATION <b>E. Gastaldo</b><sup>1</sup>, G. Devigili<sup>1</sup>, R. Quatrate<sup>2</sup>, E. Sette<sup>2</sup>, M.C. Sensi<sup>2</sup>, M.R. Tola<sup>2</sup>, E. Granieri<sup>1</sup>, V. Tugnoli<sup>2</sup>, <sup>1</sup>Neurology Section, Department of Medical and Surgical Sciences of Communication and Behaviour, University of Ferrara, <sup>2</sup>Azienda Ospedaliera-Universitaria S. Anna Ferrara, Department of Neuroscience, Neurology Section, Ferrara, Italy</p>	199
62	<p>TEST/RETEST- AND INTEROBSERVER-RELIABILITY IN QUANTITATIVE SENSORY TESTING ACCORDING TO THE PROTOCOL OF THE GERMAN NETWORK ON NEUROPATHIC PAIN (DFNS) C. Geber<sup>1&amp;2</sup>, <b>T. Klein</b><sup>1</sup>, R. Rolke<sup>2</sup>, W. Magerl<sup>1</sup>, M. Dieterich<sup>2</sup>, F. Birklein<sup>2</sup>, R-D. Treede<sup>1</sup>, <sup>1</sup>Institute of Physiology Und Pathophysiology, <sup>2</sup>Department of Neurology, Johannes Gutenberg-University, Mainz, Germany</p>	200
63	<p>DIFFERENTIATION OF PAIN PATTERNS IN LOW BACK PAIN OF PREGNANCY WITH QUANTITATIVE SENSORY TESTING <b>B. Gustorff</b><sup>1</sup>, A. Huber<sup>2</sup>, D. Mayr<sup>1</sup>, <sup>1</sup>Department of Anaesthesia and General Intensive Care, Vienna Human Pain Research Group, <sup>2</sup>Department of Obstetrics and Gynecology, Medical University of Vienna, Austria</p>	201
64	<p>COMPARISON OF QUANTITATIVE SENSORY TESTING AND LASER-EVOKED BRAIN POTENTIALS IN SYRINGOMYELIA PATIENTS S.M. Hatem<sup>1,2</sup>, N. Attal<sup>2</sup>, <b>M. Gautron</b><sup>2</sup>, L. Plaghki<sup>1</sup>, D. Bouhassira<sup>2</sup>, <sup>1</sup>Unité De Réadaptation Et De Médecine Physique (READ), Université Catholique De Louvain, Brussels, Belgium, <sup>2</sup>INSERM U-792, Centre D'Evaluation Et De Traitement De La Douleur, Hôpital Ambroise Paré, Boulogne-Billancourt, France</p>	202

## POSTER SESSION 1: DIAGNOSIS/ASSESSMENT (cont)

Board No		Abstract No
65	<p>ASSESSMENT OF NEUROPATHIC PAIN PATIENTS IN A FAMILY PRACTICE SETTING USING DN4 QUESTIONNAIRE AND QUANTITATIVE SENSORY TESTING</p> <p><b>A. Hum</b><sup>1</sup>, H. Tick<sup>1</sup>, G.D. Ko<sup>1,2</sup>, <sup>1</sup>Canadian Centre for Integrative Medicine, Markham, <sup>2</sup>University of Toronto, St. John's Rehabilitation Hospital, Toronto, Ontario, Canada</p>	203
66	<p>PINPRICK-EVOKED POTENTIALS (PEPS): A NOVEL TOOL TO ASSESS CENTRAL SENSITISATION IN HUMANS</p> <p><b>G.D. Iannetti</b><sup>1</sup>, U. Baumgärtner<sup>2</sup>, M.C. Lee<sup>1</sup>, I. Tracey<sup>1</sup>, W. Magerl<sup>2</sup>, R-D. Treede<sup>2</sup>, <sup>1</sup>Department of Physiology, Anatomy and Genetics, University of Oxford, UK, <sup>2</sup>Institute of Physiology and Pathophysiology, Johannes Gutenberg-Universität, Mainz, Germany</p>	204
67	<p>NEUROPATHIC PAIN IN THE POPULATION OF OUTPATIENT ELDERLY</p> <p><b>L.B. Jovanovic</b>, Department for Research and Methodology, Institute of Gerontology, Home Treatment and Care, Belgrade, Serbia, Yugoslavia</p>	205
68	<p>ANXIETY, DEPRESSION AND ALCOHOL ABUSE IN PATIENTS OF GENERAL PRACTITIONERS AND GP-BASED PAIN RESOURCE</p> <p><b>T. Kauppila</b>, M. Vuorilehto, A. Sutela, A.M. Nieminen, Health Centre of Vantaa City, Finland</p>	206
69	<p>SIGNIFICANT WIND-UP-RATIO IN PATIENTS WITH DEPRESSION IN COMPARISON TO PATIENTS WITH FIBROMYALGIA AND RHEUMATIC ARTHRITIS</p> <p><b>S. Klauenberg</b><sup>1</sup>, A. Hoffmann<sup>3</sup>, G. Juckel<sup>2</sup>, E.K. Krumova<sup>1</sup>, H. Richter<sup>1</sup>, A. Scherens<sup>1</sup>, C. Maier<sup>1</sup>, <sup>1</sup>Department of Pain Management, BG-Kliniken Bergmannheil Bochum, <sup>2</sup>Department of Psychiatry and Psychotherapy, Ruhr-University of Bochum, <sup>3</sup>Clinic for Rheumatology, Köln, Germany</p>	207
70	<p>HOW RESPONSE INHIBITION MODULATES NOCICEPTIVE LASER EVOKED BRAIN POTENTIALS</p> <p><b>S.M. Hatem</b>, L. Plaghki, A. Mouraux, Unité De Réadaptation Et De Médecine Physique (READ), Université Catholique De Louvain, Brussels, Belgium</p>	208

## POSTER SESSION 1: DIAGNOSIS/ASSESSMENT (cont)

Board No		Abstract No
71	<p>SENSITIVITY AND CONCURRENT VALIDITY OF THE NEUROPATHIC PAIN IMPACT ON QUALITY OF LIFE SCALE</p> <p>H.M. Poole<sup>1,2</sup>, <b>P. Murphy</b><sup>3</sup>, T.J. Nurmikko<sup>2,3</sup>, <sup>1</sup>Faculty of Science, Liverpool John Moores University, <sup>2</sup>Pain Research Institute, Department of Neurological Sciences, University of Liverpool, <sup>3</sup>The Walton Centre for Neurology and Neurosurgery NHS Trust, Liverpool, UK</p>	209
72	<p>MEASURING VASOMOTOR DISTURBANCES IN PATIENTS WITH A COLD INTOLERANCE AFTER NERVE INJURY</p> <p><b>S. Niehof</b><sup>1</sup>, F. Zijlstra<sup>2</sup>, F.J.P.M. Huygen<sup>1</sup>, <sup>1</sup>Department of Pain Treatment, Anaesthesiology, <sup>2</sup>Anaesthesiology, Erasmus Mc University Medical Center, Rotterdam, The Netherlands</p>	210
73	<p>COGNITIVE-BEHAVIOURAL STRATEGIES DURING THE FIRST YEAR OF SPINAL CORD INJURY NEUROPATHIC PAIN</p> <p>S. Hulebes Alonso<sup>1</sup>, J. Taylor<sup>1</sup>, C. Penacoba<sup>3</sup>, F. Calderon Munoz<sup>2</sup>, J.R. Cabrera Feria<sup>2</sup>, <b>H. Poole</b><sup>4</sup>, <sup>1</sup>Sensorimotor Function Group, CSIC/SESCAM, <sup>2</sup>Pain and Spasticity Unit, Hospital Nacional De Paraplejicos, Toledo, <sup>3</sup>Facultad De Ciencias De Salud, Universidad Rey Juan Carlos, Madrid, Spain, <sup>4</sup>Liverpool John Moores University, Liverpool, UK</p>	211
74	<p>CLASSIFICATION OF LOW BACK RELATED LEG PAIN: A STUDY PROTOCOL</p> <p><b>A. Schafer</b><sup>1,2</sup>, T. Hall<sup>1,3</sup>, K. Briffa<sup>1</sup>, <sup>1</sup>Curtin University of Technology, Perth, Australia, <sup>2</sup>Rückenzentrum Am Michel, Hamburg, Germany, <sup>3</sup>Manual Concepts, Perth, Australia</p>	213

**POSTER SESSION 1: DIAGNOSIS/ASSESSMENT  
(cont)**

Board No		Abstract No
75	<p>NEUROPATHIC COMPONENTS OF ACUTE WHIPLASH PAIN <b>M.M. Sterling</b><sup>1,2</sup>, <sup>1</sup>Centre of National Research on Disability and Rehabilitation, <sup>2</sup>Division of Physiotherapy, The University of Queensland, Brisbane, Australia</p>	214
76	<p>EXTRAMEDIAN AND PROXIMAL SPREAD OF SENSORY SYMPTOMS IN CARPAL TUNNEL SYNDROME. A CLINICAL-NEUROPHYSIOLOGICAL STUDY <b>S. Tamburin</b>, S. Marani, G. Zanette, University of Verona, Department of Neurological Sciences &amp; Vision, Section of Neurology, Hospital Pederzoli, Peschiera Del Garda, Verona, Italy</p>	215
77	<p>IMPACT OF SPINAL CORD INJURY PHYSICAL FACTORS ON NEUROPATHIC PAIN AND QUALITY OF LIFE DURING THE FIRST YEAR OF LESION S. Huelbes Alonso<sup>1</sup>, A. Mauderli<sup>4</sup>, A. Rivera Lopez<sup>1</sup>, H. Poole<sup>5</sup>, F. Calderon Munoz<sup>3</sup>, J.R. Cabrera Fera<sup>3</sup>, C. Shaw Fernandez-Toda<sup>2</sup>, <b>J. Taylor</b><sup>1</sup>, <sup>1</sup>Sensorimotor Function Group, CSIC/SESCAM, <sup>2</sup>Pharmacy Unit, CSIC/SESCAM, <sup>3</sup>Pain and Spasticity Unit, Hospital Nacional De Paraplejicos, Toledo, Spain, <sup>4</sup>JHMHSC, University of Florida, Gainesville, USA, <sup>5</sup>Liverpool John Moores University, UK</p>	216



## POSTER SESSION 1: HUMAN IMAGING

Board No		Abstract No
78	<p>DIFFERENTIAL CODING OF COLD ALLODYNIA A FMRI STUDY</p> <p><b>A. Binder</b><sup>1</sup>, R. Maag<sup>1</sup>, M. Peller<sup>2,3</sup>, G. Wasner<sup>1,4</sup>, H. Siebner<sup>2,3</sup>, R. Baron<sup>1</sup>, <sup>1</sup>Division of Neurological Pain Research and Therapy, Department of Neurology, <sup>2</sup>Department of Neurology, Christian-Albrechts-Universität Kiel, <sup>3</sup>NeuroImageNord Hamburg-Kiel-Lubeck, Germany, <sup>4</sup>Prince of Wales Medical Research Institute, University of New South Wales, Sydney, Australia</p>	217
79	<p>OPERCULO-INSULAR AND MID-CINGULATE GYRUS FUNCTIONAL COUPLING AFTER PAINFUL LASER STIMULATION : AN INTRA-CEREBRAL EEG COHERENCE STUDY.</p> <p><b>M. Frot</b>, H. Vioux, L. Garcia-Larrea, Inserm - Central Integration of Pain Unit (E342), Neurological Hospital, BRON Cedex, France</p>	218
80	<p>EMOTIONAL MODULATION OF PAIN. IS IT THE SENSATION OR WHAT WE RECALL?</p> <p><b>F. Godinho</b>, M. Magnin, M. Frot, C. Perchet, L. Garcia-Larrea, Inserm EMI 342 - Hôpital Neurologique, Lyon, France</p>	219
81	<p>μ-OPIOID RECEPTOR BINDING POTENTIAL IN THE FOREBRAIN CORRELATES WITH PAIN MODULATION IN HEALTHY SUBJECTS</p> <p><b>N. Hagelberg</b><sup>1,2</sup>, I.K. Martikainen<sup>3</sup>, S. Aalto<sup>2,4</sup>, K. Nagren<sup>2</sup>, U. Pesonen<sup>5</sup>, J. Hietala<sup>2,6</sup>, H. Scheinin<sup>2</sup>, A. Pertovaara<sup>3</sup>, <sup>1</sup>Pain Clinic, Department of Anesthesiology and Intensive Care, Turku University Central Hospital, <sup>2</sup>Turku PET Centre, Turku, Finland, <sup>3</sup>Department of Physiology, Institute of Biomedicine, <sup>4</sup>Centre for Cognitive Neuroscience, <sup>5</sup>Department of Pharmacology and Clinical Pharmacology, Institute of Biomedicine, Turku, <sup>6</sup>Department of Psychiatry, University of Turku, Finland</p>	220

## POSTER SESSION 1: HUMAN IMAGING (cont)

Board No		Abstract No
82	<p>STRUCTURAL CHANGES ASSOCIATED WITH PAIN IN SPINAL CORD INJURED PATIENTS P.J. Wrigley<sup>1</sup>, S.M. Gustin<sup>1,2</sup>, P.G. Nash<sup>2</sup>, V.G. Macefield<sup>3,4</sup>, S.C. Gandevia<sup>3</sup>, J.W. Middleton<sup>1</sup>, P.J. Siddall<sup>1</sup>, <b>L.A. Henderson</b><sup>2</sup>, <sup>1</sup>Pain Management Research Institute, Royal North Shore Hospital, <sup>2</sup>Department of Anatomy and Histology, University of Sydney, <sup>3</sup>Prince of Wales Medical Research Institute and the University of New South Wales, <sup>4</sup>Department of Physiology, University of Western Sydney, Australia</p>	221
83	<p>THE SUPRASPINAL REPRESENTATION OF CENTRAL SENSITIZATION IN HUMANS <b>M.C. Lee</b><sup>1,2</sup>, L. Zambrano<sup>1</sup>, G.D. Iannetti<sup>1</sup>, D.K. Menon<sup>2</sup>, I. Tracey<sup>1</sup>, <sup>1</sup>Department of Physiology, Anatomy and Genetics, Centre for Functional Magnetic Resonance Imaging of the Brain, University of Oxford, <sup>2</sup>Division of Anaesthesia, University of Cambridge, Addenbrooke's Hospital, UK</p>	222
84	<p>CORTICAL MECHANISMS FOR THE RELIEF OF PHANTOM LIMB PAIN BY MEANS OF MENTAL IMAGERY: AN FMRI STUDY <b>K.M. MacIver</b><sup>1</sup>, D.M. Lloyd<sup>2</sup>, S.C. Kelly<sup>1</sup>, N. Roberts<sup>3</sup>, T.J. Nurmikko<sup>1</sup>, <sup>1</sup>Pain Research Institute, Merseyside, Liverpool, UK, <sup>2</sup>University of Manchester, <sup>3</sup>MARIARC, University of Liverpool, UK</p>	223
85	<p>DIFFERENTIAL INFLUENCE OF BRAIN 5-HT<sub>1A</sub> RECEPTORS ON PAIN VERSUS TOUCH <b>I.K. Martikainen</b><sup>1</sup>, J. Hirvonen<sup>2</sup>, N. Hagelberg<sup>2,3</sup>, U. Pesonen<sup>4</sup>, J. Kajander<sup>4</sup>, K. Nagren<sup>2</sup>, J. Hietala<sup>2,5</sup>, A. Pertovaara<sup>1,6</sup>, <sup>1</sup>Department of Physiology, Institute of Biomedicine, <sup>2</sup>PET Centre, University of Turku, <sup>3</sup>Pain Clinic, Department of Anaesthesia and Intensive Care, Central University Hospital of Turku, <sup>4</sup>Department of Pharmacology and Clinical Pharmacology, Institute of Biomedicine, University of Turku, <sup>5</sup>Department of Psychiatry, Central University Hospital of Turku, <sup>6</sup>Department of Physiology, Institute of Biomedicine, University of Helsinki, Finland</p>	224

# Friday, June 8, 2007

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13:30 - 15:30

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## POSTER SESSION 1: HUMAN IMAGING (cont)

Board No		Abstract No
86	<p>ELECTROPHYSIOLOGICAL CORRELATES OF THE CORTICAL INTERACTIONS AND INTEGRATION OF NOCICEPTIVE AND NON-NOCICEPTIVE SOMATOSENSORY AFFERENTS IN HUMANS</p> <p><b>A. Mouraux</b>, L. Plaghki, READ Unit, Universite Catholique De Louvain, Brussels, Belgium</p>	225
87	<p>A FEASIBILITY STUDY OF EEG AND FMRI CO-ACTIVATION WITH CHEPS (CONTACT HEAT EVOKED POTENTIAL STIMULATOR).</p> <p><b>K. Roberts</b><sup>1,2</sup>, A. Papadaki<sup>1,2</sup>, C. Conçalves<sup>2,3</sup>, M. Tighe<sup>4</sup>, D. Atherton<sup>1,2</sup>, R. Shenoy<sup>1,2</sup>, D. McRobbie<sup>1,2</sup>, P. Anand<sup>1,2</sup>, <sup>1</sup>Imperial College, <sup>2</sup>Hammersmith Hospitals NHS Trust, London, <sup>3</sup>East Kent Hospitals NHS Trust, Canterbury, <sup>4</sup>Brainvision UK, London, UK</p>	226

## POSTER SESSION 1: POSTHERPETIC NEURALGIA, CRPS

Board No		Abstract No
88	ACUPUNCTURE AS A ADDITIONAL THERAPY IN POSTHERPETIC NEURALGIA – PRELIMINARY STUDY <b>K. Brzezinski</b> , M. Jarosz, Institute of Agricultural Medicine, Lublin, Poland	227
89	ARE THERE ANY SPECIFIC PSYCHOPATHOLOGICAL FEATURES IN PATIENTS WITH REFLEX SYMPATHETIC DYSTROPHY? <b>D. Castelain Devillers</b> , M.C. Defontaine Catteau, S.M. Catsaros, B. Veys, A. Bera Louville, S. Blond, Centre D'Evaluation Et De Traitement De La Douleur, CHRU, Lille, France	228
90	ASYMMETRIC SYMPATHETIC AUTONOMIC RESPONSES TO AMBIGUOUS VISUAL STIMULATION IN COMPLEX REGIONAL PAIN SYNDROME (CRPS) TYPE 1 PATIENTS. <b>H.E. Cohen</b> <sup>1,2,3</sup> , N. Harris <sup>1,2</sup> , C.S. McCabe <sup>1,2</sup> , J. Hall <sup>1</sup> , D.R. Blake <sup>1,2</sup> , <sup>1</sup> Royal National Hospital for Rheumatic Diseases, Upper Borough Walls, <sup>2</sup> University of Bath, Claverton Down, Bath, UK, <sup>3</sup> Arthritis Research Campaign Clinical Research Fellow	229
91	REFLEX SYMPATHETIC DYSTROPHY1 AND FACTICIOUS DISORDERS <b>M.C. Defontaine Catteau</b> <sup>1</sup> , A. Bera Louville <sup>1</sup> , D. Castelain Devillers <sup>1</sup> , S.M. Catsaros <sup>1</sup> , B. Veys <sup>1</sup> , E. Delaporte <sup>2</sup> , S. Blond <sup>1</sup> , <sup>1</sup> Centre D'Evaluation Et De Traitement De La Douleur, <sup>2</sup> Hopital Huriez, CHRU, Lille, France	230
92	DIFFERENTIAL EXPRESSION PATTERNS OF CYTOKINES IN CRPS I N. Üceyler <sup>1</sup> , <b>T. Eberle</b> <sup>2</sup> , T. Schlereth <sup>2</sup> , F. Birklein <sup>2</sup> , C. Sommer <sup>1</sup> , <sup>1</sup> Department of Neurology, University of Würzburg, <sup>2</sup> Department of Neurology, Johannes Gutenberg-Universität Mainz, Germany	231
93	LONG-TERM EFFECT OF INTRAVENOUS REGIONAL BLOCK ON SKIN TEMPERATURE IN COMPLEX REGIONAL PAIN SYNDROME <b>M. Fukusaki</b> <sup>1</sup> , M. Takada <sup>1</sup> , K Miura <sup>1</sup> , Y. Terao <sup>1</sup> , K. Sumikawa <sup>2</sup> , <sup>1</sup> Anesthesia, Nagasaki Rosai Hospital, Sasebo, <sup>2</sup> Anesthesiology, Nagasaki University School of Medicine, Japan	232

## POSTER SESSION 1: POSTHERPETIC NEURALGIA, CRPS (cont)

Board No		Abstract No
94	<p>IMPROVEMENT OF BLOOD FLOW, PAIN AND FUNCTION IN THE COLD CRPS BY NITRIC OXIDE <b>J.G. Groeneweg</b><sup>1</sup>, F.J Huygen<sup>1</sup>, S. Niehof<sup>1</sup>, F. Wesseldijk<sup>1</sup>, F.J. Zijlstra<sup>2</sup>, <sup>1</sup>Department of Anesthesiology, Pain Treatment Center, <sup>2</sup>Department of Anesthesiology, Erasmus Mc Rotterdam, The Netherlands</p>	233
95	<p>POST-HERPETIC NEURALGIA AND TRIGEMINAL NEURALGIA PAIN IMPROVED WITH INTRADERMAL BOTULINUM TOXIN-A G.D. Ko<sup>1,2,3</sup>, <b>I. Finkelstein</b><sup>3,4</sup>, <sup>1</sup>Department of Rehabilitation Medicine, University of Toronto, St. John's Rehabilitation Hospital, <sup>2</sup>Sunnybrook Health Sciences Centre, Toronto, <sup>3</sup>Canadian Society for Neurotoxins in Pain, Richmond Hill, <sup>4</sup>Toronto Headache and Pain Clinic, Toronto, Ontario, Canada</p>	234
96	<p>DIAGNOSING COMPLEX REGIONAL PAIN SYNDROM (CRPS) BY A COMPREHENSIVE ANALYSIS OF LONG-TERM SKIN TEMPERATURE CHANGES <b>E.K. Krumova</b>, P. Haußleiter, S. Klauenberg, A. Scherens, C. Maier, Department of Pain Management, BG-Kliniken Bergmannheil Bochum, Germany</p>	235
97	<p>A CASE OF COMPLEX REGIONAL PAIN SYNDROME RESOLVED BY TEMPORARY SPINAL CORD STIMULATION <b>K.R. Lee</b>, M.K. Kim, H.S. Lee, S.M. Choi, M.S. Park, B.C. Kim, K.H. Cho, Department of Neurology, Chonnam National University Hospital, Gwang-Ju, South Korea</p>	236
98	<p>IMAGINED REGROWTH:NORMALISING THE MENTAL REPRESENTATION OF A CRPS ARM <b>J. S Lewis</b><sup>1</sup>, D. J Peters<sup>2</sup>, <sup>1</sup>Department of Rheumatology, The Royal National Hospital for Rheumatic Diseases, Bath, <sup>2</sup>Department of Rheumatology and Hand Trauma, Princess Elizabeth Orthopaedic Centre, Royal Devon and Exeter Hospital, Exeter, Devon, UK</p>	237

## POSTER SESSION 1: POSTHERPETIC NEURALGIA, CRPS (cont)

Board No		Abstract No
99	<p>CRPS AND CRPS LIKE DISORDERS INVOLVING UPPER EXTREMITY <b>K. Margic</b><sup>1</sup>, J. Pirc<sup>2</sup>, <sup>1</sup>Department of Plastic and Reconstructive Surgery, <sup>2</sup>Department of Anesthesiology and Intensive Care, General Hospital, Sempeter Pri Gorici, Slovenia</p>	238
100	<p>COMPARISON OF DEPRESSION INDEX AND QUALITY OF LIFE BETWEEN PATIENTS WITH AND WITHOUT POSTHERPETIC NEURALGIA. <b>N. Marhx</b><sup>1</sup>, A. Kassian<sup>2</sup>, <sup>1</sup>Pain Clinic, General Hospital, Mexico City, Mexico</p>	239
101	<p>POST-HERPETIC NEURALGIA (PHN) FOLLOWING HERPES ZOSTER (HZ): LITERATURE REVIEW OF EUROPEAN DATA <b>G. Mick</b><sup>1</sup>, A. Volpi<sup>2</sup>, F. Simon<sup>3</sup>, B. Pedalino<sup>4</sup>, <sup>1</sup>Centre De La Douleur, Hopital Neurologique, Lyon, France, <sup>2</sup>Department of Public Health, Universita Di Roma Tor Vergata, Rome, Italy, <sup>3</sup>Centro Nacional De Epidemiologia, Instituto De Salud Carlos III, Madrid, Spain, <sup>4</sup>Clinical and Epidemiology Department, Sanofi Pasteur MSD, Lyon, France</p>	240
102	<p>DIFFERING ATTITUDES TO ANALGESIC OPTIONS IN POST-HERPETIC NEURALGIA PATIENTS: PARALLEL SURVEYS CONDUCTED IN 100 PATIENTS AND 1078 GPS IN 2006 <b>S.H.R. Ratcliffe</b><sup>1</sup>, E. Hennessy<sup>3</sup>, T. Roycroft<sup>1</sup>, J. Freeman<sup>3</sup>, M. Ba<sup>4</sup>, C. Matijasevic<sup>4</sup>, W.G. Gallagher<sup>2</sup>, R.M. Langford<sup>1</sup>, <sup>1</sup>Barts Pain Research Group, <sup>2</sup>Barts and the London NHS Trust, <sup>3</sup>Synergy Healthcare Research, London, <sup>4</sup>Gruenthal Ltd, High Wycombe, UK</p>	241
103	<p>EPIDEMIOLOGY AND MANAGEMENT COSTS OF HERPES ZOSTER (HZ) AND POST-HERPETIC NEURALGIA (PHN) IN THE UK <b>V. Remy</b><sup>1</sup>, A. Gauthier<sup>2</sup>, M. Martin<sup>2</sup>, B. Pedalino<sup>1</sup>, <sup>1</sup>Sanofi Pasteur MSD, Lyon, France, <sup>2</sup>13 Innovus, Uxbridge, Middlesex, UK</p>	242
104	<p>HISTAMINE-IONTOPHORESIS FOR DIFFERENTIATION OF C-FIBRE FUNCTION IN POSTHERPETIC NEURALGIAS <b>T.E. Schlereth</b>, A. Schreiber, F. Birklein, Neurology, Johannes Gutenberg-University, Mainz, Germany</p>	243

## POSTER SESSION 1: POSTHERPETIC NEURALGIA, CRPS (cont)

Board No		Abstract No
105	<p>PRISM ADAPTATION TO OPTICAL DEVIATION ALLEVIATES COMPLEX REGIONAL PAIN SYNDROME (CRPS) <b>M. Sumitani</b><sup>1</sup>, S. Miyauchi<sup>2</sup>, H. Uematsu<sup>1</sup>, Y. Saitoh<sup>3</sup>, M. Shibata<sup>1</sup>, T. Mashimo<sup>1</sup>, <sup>1</sup>Center for Pain Management (Anesthesiology), Osaka University Medical Hospital, Osaka, <sup>2</sup>CREST-Brain Imaging Team, Kobe Advanced ICT Research Center, National Institute of Information and Communications Technology, Kobe, <sup>3</sup>Center for Pain Management (Neurosurgery), Osaka University Medical Hospital, Osaka, Japan</p>	244
106	<p>HIGH-DOSE KETAMINE INFUSION FOR COMPLEX REGIONAL PAIN SYNDROME J.M. Ramón, <b>G. Tornero-Campello</b>, Clínica Del Dolor De Alicante, Spain</p>	245
107	<p>USE OF TOPICAL CAPSAICIN IN THE TREATMENT OF COMPLEX REGIONAL PAIN SYNDROME <b>F. Wesseldijk</b><sup>1</sup>, F.J.P.M. Huygen<sup>1</sup>, F. Zijlstra<sup>2</sup>, <sup>1</sup>Pain Treatment Center, <sup>2</sup>Anesthesiology, Erasmus Mc University Hospital, Rotterdam, The Netherlands</p>	246

## POSTER SESSION 1: CANCER & CARNIOFACIAL PAIN

Board No		Abstract No
108	<p>LIDOCAIN PATCH 5% REDUCE POSTSURGICAL NEUROPATHIC PAIN WITH THE CANCER PATIENTS.</p> <p><b>G. Abuzarova</b>, Moscow P.A. Herzen Oncological Research Institute, Moscow, Russia</p>	247
109	<p>METHADONE IN TREATMENT OF ONCOLOGIC NEUROPHATIC PAIN</p> <p><b>D. A Arbaiza</b>, Neuro-Oncology, Instituto Nacional De Enfermedades Neoplasicas, Lima, Peru</p>	248
110	<p>IV TRAMADOL FOR TREATMENT OF REFRACTORY MIGRAINES IN THE CLINIC</p> <p><b>J. Cagle</b>, D. Cammarata, V. Scott-Krusz, J.C. Krusz, Anodyne Headache and PainCare, Dallas, Texas, USA</p>	249
111	<p>PREVALENCE OF NEUROPATHIC PAIN IN CANCER PATIENTS</p> <p><b>J. Canal</b><sup>1</sup>, M<sup>a</sup>.J Rosauo<sup>1</sup>, A. Pascual<sup>2</sup>, A. Barcelo<sup>3</sup>, A. De Santiago<sup>4</sup>, M.A. Sanchez<sup>5</sup>, <sup>1</sup>Palliative Care Unit, Hospital Jaume D'urgell, Balaguer, <sup>2</sup>Palliative Care Unit, Hospital Sant Pau, Barcelona, <sup>3</sup>Palliative Care Unit, Hospital Jaume Nadal Meroles Lleida, <sup>4</sup>Palliative Care Unit, Md Anderson Internacional España. Madrid, <sup>5</sup>Palliative Care Unit, Hospital De Merida, Badajoz, Spain</p>	250
112	<p>SENSORY PROFILES IN PAINFUL VS. NON-PAINFUL CHEMOTHERAPY-INDUCED POLYNEUROPATHY</p> <p><b>C. Geber</b><sup>1,2</sup>, C. Egenolf<sup>1</sup>, M. Dieterich<sup>1</sup>, R-D. Treede<sup>2</sup>, F. Birklein<sup>1</sup>, T. Vogt<sup>1</sup>, <sup>1</sup>Department of Neurology, <sup>2</sup>Department of Physiology, Johannes Gutenberg-University, Mainz, Germany</p>	251
113	<p>TUMOR NECROSIS FACTOR ALPHA CONTRIBUTES TO PAIN AND HYPERALGESIA IN A MOUSE CANCER/METASTASIS MODEL</p> <p>C. Constantin<sup>1</sup>, N Mair<sup>1</sup>, C.A. Sailer<sup>1</sup>, H. Blumer<sup>2</sup>, <b>M. Kress</b><sup>1</sup>, <sup>1</sup>Division of Physiology, DPMP, <sup>2</sup>Department of Anatomy, Embryology and Histology, IMU, Innsbruck, Austria</p>	252
114	<p>EFFECTIVENESS OF IV LIDOCAINE THERAPY IN THE CLINIC FOR REFRACTORY MIGRAINES AND HEADACHES</p> <p>J.C. Krusz, J. Cagle, <b>V. Scott-Krusz</b>, D. Cammarata, Anodyne Headache and Pain Care, Dallas, Texas, USA</p>	253



## POSTER SESSION 1: CANCER & CARNIOFACIAL PAIN (cont)

Board No		Abstract No
115	<p>GENERALIZED SOMATOSENSORY CHANGES IN PATIENTS WITH TEMPOROMANDIBULAR DISORDER</p> <p><b>D. Pfau</b><sup>1,3</sup>, R. Rolke<sup>2</sup>, M. Daublaender<sup>1</sup>, R-D. Treede<sup>3</sup>, <sup>1</sup>Department of Dental Surgery, <sup>2</sup>Department of Neurology, <sup>3</sup>Institute of Physiology and Pathophysiology, University of Mainz, Germany</p>	254
116	<p>QUANTITATIVE SENSORY TESTING: ASSESSMENT OF THE NEUROPATHIC COMPONENT IN CANCER PAIN</p> <p><b>R. Rolke</b><sup>1</sup>, N. Eich<sup>1</sup>, R. Schwab<sup>2</sup>, J. Jage<sup>2</sup>, M. Weber<sup>3</sup>, R-D. Treede<sup>4</sup>, M. Dieterich<sup>1</sup>, F. Birklein<sup>1</sup>, <sup>1</sup>Department of Neurology, <sup>2</sup>Department of Anaesthesiology, <sup>3</sup>Palliative Care Unit, <sup>4</sup>Institute of Physiology and Pathophysiology, University of Mainz, Germany</p>	255

## POSTER SESSION 1: NEUROPATHY

Board No		Abstract No
117	<p>A PROSPECTIVE PSYCHOPHYSICAL STUDY OF OXALIPLATIN AND CISPLATIN INDUCED NEUROTOXICITY IN HUMANS <b>N. Attal</b><sup>1</sup>, F. Guirimand<sup>2</sup>, M. Gautron<sup>1</sup>, V. Casano<sup>2</sup>, D. Bouhassira<sup>1</sup>, <sup>1</sup>Inserm U 792, <sup>2</sup>Equipe Mobile De Soins Palliatifs, Hopital Ambroise Pare, Ap-Hp, Boulogne-Billancourt, France</p>	257
118	<p>A DOUBLE-BLIND, RANDOMIZED, PLACEBO-CONTROLLED TRIAL TO EVALUATE TIME-TO-ONSET OF CLINICALLY MEANINGFUL PAIN RELIEF IN POSTHERPETIC NEURALGIA(PHN) PATIENTS TREATED WITH PREGABALIN M.C. Rowbotham<sup>1</sup>, B.R. Stacey<sup>2</sup>, K. Phillips<sup>3</sup>, E. Whalen<sup>3</sup>, T.K. Murphy<sup>3</sup>, <b>J.A. Barrett</b><sup>3</sup>, <sup>1</sup>UCSF Pain Clinical Research Center, San Francisco, CA, <sup>2</sup>Oregon Health &amp; Science University, Portland OR, <sup>3</sup>Pfizer, Inc., New York, USA</p>	258
119	<p>LONG-TERM RESULTS OF THE MICROSURGICAL DREZ-TOMY FOR NEUROPATHIC PAIN DUE TO BRACHIAL PLEXUS AVULSION : ANATOMICAL LEARNING AND CLINICAL DISCREPANCY. <b>E. Blondet</b><sup>1</sup>, M. Sindou<sup>2</sup>, <sup>1</sup>Department of Neurosurgery, HIA Percy, Clamart, <sup>2</sup>Department of Neurosurgery, Hopital P. Wertheimer, Lyon, France</p>	259
120	<p>PREVALENCE OF POLYNEUROPATHY WITH OR WITHOUT NEUROPATHIC PAIN IN TYPE 1 AND 2 DIABETIC PATIENTS <b>D. Bouhassira</b><sup>1</sup>, K. Van Acker<sup>2</sup>, S. Weiss<sup>3</sup>, K. Matthys<sup>3</sup>, C. Mathieu<sup>4</sup>, I. Colin<sup>5</sup>, <sup>1</sup>INSERM U-792, Hopital Ambroise Paré, Boulogne-Billancourt, France, <sup>2</sup>Department of Diabetology, Sint Jozefkliniek, Bornem, <sup>3</sup>Pfizer Medical Department, Bruxelles, <sup>4</sup>Departement of Endocrinology, KUL Leuven, <sup>5</sup>Department of Endocrinology and Diabetology, CHR Mons-Warquignies, Mons, Belgium</p>	260

## POSTER SESSION 1: NEUROPATHY (cont)

Board No		Abstract No
121	RESOLUTION OF ULCERS SECONDARY TO TREATMENT OF PAINFUL DIABETIC PERIPHERAL NEUROPATHY (DPN) WITH THE PRECISION SPINAL CORD STIMULATION (SCS) SYSTEM <b>E. Bowie</b> <sup>1</sup> , D. Kiker <sup>2</sup> , A. Khodavirdi <sup>1</sup> , <sup>1</sup> Boston Scientific Neuromodulation, Valencia, <sup>2</sup> Galileo Surgery Center, San Luis Obispo, CA, USA	261
122	RESTLESS LEGS SYNDROME IN PAINFUL NEUROPATHY IS RELATED TO NOCICEPTIVE DEAFFERENTATION <b>F. Brindani</b> , F. Vitetta, A. Marbini, F. Gemignani, Department of Neurosciences, University of Parma, Italy	262
123	PSYCHOLOGICAL IMPACT OF NEUROPATHIC PAIN M.C. Defontaine Catteau, <b>S.M. Catsaros</b> , D. Castelain Devillers, S. Blond, Centre D'Evaluation Et De Traitement De La Douleur, CHRU, Lille, France	263
124	NEUROPATHIC ITCHING SYNDROME: A PRELIMINARY STUDY <b>G. Devigili</b> <sup>1</sup> , V. Tugnoli <sup>2</sup> , R. Quatralè <sup>2</sup> , I. Casetta <sup>1</sup> , E. Gastaldo <sup>1</sup> , M.R. Tola <sup>2</sup> , G. Lauria <sup>3</sup> , E. Granieri <sup>1</sup> , <sup>1</sup> Neurology Section, Department of Medical and Surgical Sciences of Communication and Behaviour, University of Ferrara, <sup>2</sup> Azienda Ospedaliera-Universitaria S.Anna Ferrara, Department of Neuroscience, Neurology Section, Ferrara, <sup>3</sup> Neuromuscular Diseases Unit, National Neurological Institute "Besta", Milan, Italy	264
125	PERIPHERAL NERVE AXOTOMY BUT NOT TISSUE INFLAMMATION CAUSE INCREASED HCN-1 IMMUNOREACTIVITY IN RAT DRGS. L. Djouhri, K. Mott, S. Macrow, L. Gao, <b>S.N. Lawson</b> , Department of Physiology, University of Bristol, UK	265
126	SENSITIZATION OF CORNEAL COLD-SENSITIVE NERVE TERMINALS FOLLOWING SURGICAL LESION. <b>T. Donovan-Rodriguez</b> , S. Quirce-Vazquez, A. Parra-Martin, C. Belmonte, Instituto De Neurociencias De Alicante, Universidad Miguel Hernandez-CSIC, Alicante, Spain	266

## POSTER SESSION 1: NEUROPATHY (cont)

Board No		Abstract No
127	<p>THE EFFECT OF A NEW PHYSICAL THERAPY METHOD ON DIABETIC NEUROPATHIC PAIN <b>M.R. Ebrahimpoor Mashhadi</b><sup>1</sup>, Z. Liaghat<sup>2</sup>, <sup>1</sup>Anatomy and Physiotherapy Ward School of Medicine, Kazeroun, <sup>2</sup>Physiotherapy Ward Shahid Chamran Hospital, Shiraz, Iran</p>	267
128	<p>TEMPORAL SUMMATION IN CHRONIC NEUROPATHIC PAIN PATIENTS <b>J. Ghoshdastidar</b>, R. Lecybyl, A. Bet, M. Hanna, Pain Clinical Research Hub, King's College London, King's College Hospital, London, UK</p>	268
129	<p>DIPYRONE-MAGNESIUM, A NEW ALTERNATIVE TO TREAT NEUROPATHIC PAIN? <b>J.V. Gomez-Barrios</b><sup>1,2</sup>, V. Tortorici<sup>1</sup>, <sup>1</sup>Laboratory Neurofisiologia, CBB, Instituto Venezolano De Investigaciones Cientificas, <sup>2</sup>Facultad De Farmacia, Universidad Central De Venezuela, Caracas, Venezuela</p>	269
130	<p>SELECTING AN APPROPRIATE MEDICATION FOR TREATING NEUROPATHIC PAIN IN PATIENTS WITH DIABETES: A STUDY USING THE UK AND GERMANY MEDIPLUS DATABASES <b>M. Gore</b><sup>1</sup>, A. Sadosky<sup>2</sup>, E. Dukes<sup>2</sup>, K. Tai<sup>1</sup>, D. Leslie<sup>3</sup>, A. Sheehan<sup>4</sup>, <sup>1</sup>Avalon Health Solutions, Inc., Philadelphia, PA, <sup>2</sup>Pfizer, Inc. Worldwide Outcomes Research, New York, <sup>3</sup>Yale University, School of Medicine, New Haven, CT, <sup>4</sup>Purdue University, School of Pharmacy, West Lafayette, IN, USA</p>	270
131	<p>SYSTEMIC AND LOCAL LIDOCAINE SUPPRESSES ECTOPIC SPONTANEOUS ACTIVITY IN LESIONED A-AFFERENTS, BUT NOT IN C-AFFERENTS. <b>N. Gorodetskaya</b><sup>1,2</sup>, A. Teliban<sup>1</sup>, L. Grossmann<sup>1</sup>, W. Jaenig<sup>1</sup>, <sup>1</sup>Institute of Physiology, Kiel University, Germany, <sup>2</sup>Pavlov Institute of Physiology of the Russian Academy of Sciences, St. Petersburg, Russia</p>	271
132	<p>SELF-ADMINISTRATION OF A CANNABINOID CB2 AGONIST IN AN ANIMAL MODEL OF NEUROPATHIC PAIN <b>T. Gutierrez</b><sup>1</sup>, J.D. Crystal<sup>1</sup>, K.W Maxwell<sup>1</sup>, A.M. Zvonok<sup>2</sup>, A. Makriyannis<sup>2</sup>, A.G. Hohmann<sup>1</sup>, <sup>1</sup>Neuroscience and Behavior Program, Department of Psychology, Athens, GA, <sup>2</sup>Center for Drug Discovery, Northeastern University, Boston, MA, USA</p>	272

## POSTER SESSION 1: NEUROPATHY (cont)

Board No		Abstract No
133	<p>BEHAVIOURAL RESPONSES AND PRE-EMPTIVE EFFECT OF MK-801 AND MORPHINE IN SNI MODEL IN THE ADULT RAT</p> <p><b>G.A. Hamidi</b><sup>1</sup>, H. Manaheji<sup>2</sup>, M. Salami<sup>1</sup>, H. Safakhah<sup>3</sup>, <sup>1</sup>Department of Physiology and Pharmacology, School of Medicine, Kashan University of Medical Sciences, Kashan I. R., <sup>2</sup>Department of Physiology, Neurosciences Research Center, School of Medicine, Shaheed Beheshti University of Medical Sciences, Tehran I. R., <sup>3</sup>Department of Physiology, School of Medicine, Semnan University of Medical Sciences, Semnan I. R., Iran</p>	274
134	<p>SUBCOSTAL NERVE NEURALGIA</p> <p><b>R. Hertz</b>, T. Elbaz, S. Shue, Department of Anesthesia, Columbia University, St. Lukes, Roosevelt Hospital Center, New York, USA</p>	275
135	<p>SELECTIVE ACTIVATION OF CANNABINOID CB2 RECEPTORS SUPPRESSES CHEMOTHERAPEUTIC NEUROPATHY EVOKED BY PACLITAXEL AND VINCRISTINE ADMINISTRATION</p> <p><b>A.G. Hohmann</b><sup>1</sup>, E.J. Rahn<sup>1</sup>, K.W. Maxwell<sup>1</sup>, A.M. Zvonok<sup>2</sup>, A. Makriyannis<sup>2</sup>, <sup>1</sup>Neuroscience and Behavior Program, Department of Psychology, The University of Georgia, Athens, GA, <sup>2</sup>Center for Drug Discovery, Northeastern University, Boston, MA, USA</p>	276
136	<p>REORGANIZATION OF DRG NEURONS FOLLOWING CHRONIC SCIATIC NERVE CONSTRICTION INJURY: CORRELATION WITH TOPICAL MORPHINE AND LIDOCAINE ANALGESIA</p> <p><b>Y.A. Kolesnikov</b><sup>1</sup>, A.E. Maaraof<sup>2</sup>, U. Rautinhaus<sup>2</sup>, G.W. Pasternak<sup>3</sup>, <sup>1</sup>Institute of Technology, Tartu University, Estonia, <sup>2</sup>Cell Biology, <sup>3</sup>Neurology, Memorial Sloan Kettering Cancer Center, NY, USA</p>	277

## POSTER SESSION 1: NEUROPATHY (cont)

Board No		Abstract No
137	<p>INTRAEPIDERMAL NERVE FIBER DENSITY IN PATIENTS WITH CHEMOTHERAPY-INDUCED NEUROPATHY. A PROSPECTIVE STUDY. A-L. Kautio<sup>1</sup>, <b>M.K. Koskinen</b><sup>2</sup>, H.K. Haapasalo<sup>2</sup>, P-L. Kellokumpu-Lehtinen<sup>1</sup>, T.H. Saarto<sup>3</sup>, M.L. Haanpää<sup>4</sup>, <sup>1</sup>Department of Oncology, <sup>2</sup>Department of Pathology, Tampere University Hospital, <sup>3</sup>Department of Oncology, <sup>4</sup>Pain Clinic, Department of Anesthesiology and Intensive Care, and Department of Neurosurgery, Helsinki University Hospital, Finland</p>	278
138	<p>LEUKOCYTE-DERIVED OPIOIDS PRODUCE PERIPHERAL ANTINOCICEPTION IN NEUROPATHIC PAIN <b>D. Labuz</b>, Y. Schmidt, A. Schreiter, H.L. Rittner, A. Brack, H. Machelska, Klinik Fur Anaesthesiologie Und Operative Intensivmedizin, Charite- Campus Benjamin Franklin, Berlin, Germany</p>	279
139	<p>DRUG SELECTION ALGORITHM FOR LONG TERM INTRATHECAL THERAPY IN THE MANAGEMENT OF NEUROPATHIC PAIN G. Cerdá-Olmedo<sup>1</sup>, M.L. Franco-Gay<sup>2</sup>, J. Insausti-Valdivia<sup>3</sup>, M.D. López-Alarcón<sup>1</sup>, <b>J.M. López-Millán</b><sup>4</sup>, S. Moliner-Velazquez<sup>1</sup>, V. Monsalve-Dolz<sup>1</sup>, L.A. Moreno<sup>5</sup>, J. Pérez-Cajaraville<sup>6</sup>, M. Tió-Felip<sup>5</sup>, E. Uriaqrte-Brizuela<sup>3</sup>, <sup>1</sup>Hospital General Universitario De Valencia, <sup>2</sup>Hospital De Cruces De Bilbao, <sup>3</sup>Hospital Universitario Severo Ochoa De Leganés, Madrid, <sup>4</sup>Hospital Universitario Virgen Macarena De Sevilla, <sup>5</sup>Hospital Clínico De Barcelona, <sup>6</sup>Clínica Universitaria De Navarra, Pamplona, Spain</p>	280
140	<p>CHARACTERISTIC SENSORY PROFILE IN FABRY PATIENTS <b>R. Maag</b><sup>1</sup>, A. Binder<sup>1</sup>, C. Maier<sup>2</sup>, A. Scherens<sup>2</sup>, T. Tölle<sup>3</sup>, R-D. Treede<sup>4</sup>, R. Baron<sup>1</sup>, <sup>1</sup>Division of Neurological Pain Research and Therapy, Department of Neurology, Christian-Albrechts-University Kiel, <sup>2</sup>Department of Pain Management, BG Kliniken Bergmannsheil, Ruhr University Bochum, <sup>3</sup>Department of Neurology, Technical University Munich, <sup>4</sup>Institute of Physiology and Pathophysiology, Johannes Gutenberg-University Mainz, Germany</p>	281

## POSTER SESSION 1: NEUROPATHY (cont)

Board No		Abstract No
141	<p>THE CANNABINOID AGONIST WIN 55,212-2 BOTH REVERTS AND PREVENTS SIGNS OF PERIPHERAL NEUROPATHY INDUCED BY CHRONIC CISPLATIN IN THE RAT.</p> <p><b>M.I. Martin</b>, G. Vera, P.A. Cabezos, M.A. Castillo, R. Abalo, Area of Pharmacology, Department of Health Sciences III, Faculty of Health Sciences, Universidad Rey Juan Carlos, Madrid, Spain</p>	282
142	<p>NEUROPATHIC PAIN IS ATTENUATED BY A VIRAL VECTOR TARGETING NORADRENERGIC INPUT TO THE DORSAL RETICULAR NUCLEUS</p> <p><b>I. Martins</b><sup>1,2</sup>, S. Araújo<sup>2</sup>, S.P Wilson<sup>3</sup>, D. Lima<sup>1</sup>, I. Tavares<sup>2</sup>, <sup>1</sup>Laboratory of Molecular Cell Biology, <sup>2</sup>Institute Histology &amp; Embryology, Faculty of Medicine of Oporto and IBMC, Porto, Portugal, <sup>3</sup>Department of Pharmacology, Physiology and Neuroscience, University of South Carolina School of Medicine, Columbia, SC, USA</p>	283
143	<p>TREATMENT OF PAIN SECONDARY TO DIABETIC PERIPHERAL NEUROPATHY (DPN) WITH THE PRECISION SPINAL CORD STIMULATION (SCS) SYSTEM: A CASE SERIES</p> <p><b>F. McDonnell</b><sup>1</sup>, A.C. Khodavirdi<sup>2</sup>, <sup>1</sup>Deaconess Pain Management Center, Evansville, IN, <sup>2</sup>Boston Scientific Neuromodulation, Valencia, CA, USA</p>	284
144	<p>ABNORMALITIES IN SMALL FIBRE STRUCTURE AND FUNCTION IN FEMALE FABRY PATIENTS</p> <p>A.T. Møller<sup>1</sup>, U. Feldt-Rasmussen<sup>3</sup>, A.K. Rasmussen<sup>3</sup>, S. Kolvraa<sup>2</sup>, F.W. Bach<sup>1</sup>, <b>T.S. Jensen</b><sup>1</sup>, <sup>1</sup>Danish Pain Research Center, University Hospital of Aarhus, <sup>2</sup>Department of Clinical Genetics, Hospital of Vejle, <sup>3</sup>Department of Endocrinology, Rigshospitalet, Denmark</p>	285
145	<p>DIFFERENCE BETWEEN HEAT PAIN AND WARM PERCEPTION THRESHOLDS IN PATIENTS WITH POLYNEUROPATHY AND HEALTHY INDIVIDUALS</p> <p><b>M. Nebuchennykh</b>, S. Løseth, S.I. Mellgren, Department of Neurology, Institute of Clinical Medicine, University of Tromsø and University Hospital of North Norway, Tromsø, Norway</p>	286

## POSTER SESSION 1: NEUROPATHY (cont)

Board No		Abstract No
146	<p>VASCULAR AND NEUROPROTECTIVE EFFECT OF COMP-ANGIOPOIETIN-1 IN DB/DB MICE DIABETIC NEUROPATHY MODEL</p> <p><b>T.S. Park</b><sup>1</sup>, J.H. Jin<sup>1</sup>, S.J. Jeong<sup>1</sup>, J.H. Park<sup>1</sup>, H.S. Baek<sup>1</sup>, M.H. Pao<sup>1</sup>, S. Lee<sup>1</sup>, W. Kim<sup>1</sup>, J.H. Lee<sup>2</sup>, K.S. Choi<sup>3</sup>, <sup>1</sup>Internal Medicine, <sup>2</sup>Orthopedic Surgery, Chonbuk National University Medical School, Jeonju, <sup>3</sup>Institute for Radiological Imaging Science, Wonkwang University School of Medicine, Iksan, Jeollabukdo, Korea</p>	287
147	<p>THE EFFECT OF ACUPRESSURE ON PHANTOM PAIN IN CLIENT WITH EXTREMITIES AMPUTATION</p> <p><b>Z. Pouresmail</b>, A. Saberi, Shaheed Beheshti University of Medical Sciences, Tehran, Iran</p>	288
148	<p>CANNABINOIDS SUPPRESS CHEMOTHERAPY-EVOKED PAINFUL PERIPHERAL NEUROPATHY THROUGH SPINAL SITES OF ACTION</p> <p><b>E.J. Rahn</b>, A.G. Hohmann, Psychology Department, University of Georgia, Athens, GA, USA</p>	289
149	<p>EFFICACY AND SAFETY OF PREGABALIN AS TREATMENT OF PAINFUL DIABETIC PERIPHERAL NEUROPATHY(DPN):A 13-WEEK RANDOMIZED CONTROLLED TRIAL AND 6-MONTH SAFETY EXTENSION</p> <p><b>J. Rosenstock</b><sup>1</sup>, J.C. Arezzo<sup>2</sup>, L. LaMoreaux<sup>3</sup>, T.K. Murphy<sup>4</sup>, L. Pauer<sup>3</sup>, U. Sharma<sup>5</sup>, <sup>1</sup>Dallas Diabetes and Endocrine Center, Dallas, TX, <sup>2</sup>Albert Einstein College of Medicine, New York, NY, <sup>3</sup>Pfizer Global R&amp;D, Ann Arbor, MI, <sup>4</sup>Pfizer, Inc, New York, NY, <sup>5</sup>Pfizer Consultant, Canton, MI, USA</p>	290
150	<p>EXPRESSION OF PERIPHERAL OPIOID RECEPTORS AND PEPTIDES IN A NEUROPATHIC PAIN MODEL</p> <p><b>Y. Schmidt</b>, S.A. Mousa, D. Labuz, H. Machelska, Anaesthesiologie, Charite, Campus Benjamin Franklin, Berlin, Germany</p>	291
151	<p>T LYMPHOCYTES CONTRIBUTE TO OPIOID PAIN CONTROL IN NEURITIS</p> <p><b>A. Schreiter</b>, D. Labuz, H.L. Rittner, A. Brack, H. Machelska, Charite Campus Benjamin Franklin, Klinik Für Anaesthesiologie, Berlin, Germany</p>	292



## POSTER SESSION 1: NEUROPATHY (cont)

Board No		Abstract No
152	<p>SPONTANEOUS IMPULSE GENERATION IN C- NOCICEPTORS OF FAMILIAL ERYTHROMELALGIA (FE) PATIENTS O. Uyanik<sup>1</sup>, C. Quiles<sup>1</sup>, H. Bostock<sup>2</sup>, S. Dib-Hajj<sup>3</sup>, T. Fischer<sup>3</sup>, L. Tyrrell<sup>3</sup>, S.G. Waxman<sup>3</sup>, <b>J. Serra</b><sup>1</sup>, <sup>1</sup>Department of Neurology, Mc Mutual, Barcelona, Spain, <sup>2</sup>Sobell Department of Motor Neuroscience and Movement Disorders, Institute of Neurology, University College London, UK, <sup>3</sup>Department of Neurology and Center for Neuroscience and Regeneration Research, Yale University School of Medicine, New Haven, CT, USA</p>	293
153	<p>THE COMPLEX REHABILITATION IN THE PAINFUL SPINE SYNDROMES AT THE OLD PATIENTS <b>E.L. Sidenco</b><sup>1,2</sup>, <sup>1</sup>Chair of Kinetics University Spiru Haret, <sup>2</sup>Clinic of Rehabilitation Universitary Hospital ELIAS, Bucharest, Romania</p>	294
154	<p>THE POSTMASTECTOMY PAIN SYNDROME: AN EPIDEMIOLOGICAL STUDY <b>O.J. Vilholm</b><sup>1</sup>, S. Cold<sup>2</sup>, L. Rasmussen<sup>3</sup>, S.H. Sindrup<sup>1</sup>, <sup>1</sup>Department of Neurology, <sup>2</sup>Department of Oncology, <sup>3</sup>Department of Surgery, Odense University Hospital, Denmark</p>	295
155	<p>COMPARING THE EFFICACY OF THORACIC TRANSFORAMINAL INJECTION OF MAGNESIUM VERSUS INTERCOSTAL NERVE BLOCK WITH METHYLPREDNISOLONE FOR CHRONIC POST THORACOTOMY PAIN SYNDROME <b>M. Yosry</b>, Anesthesiology and Pain Management Department, Faculty of Medicine-Cairo University, Kasr El Aeni Hospital, Cairo, Egypt</p>	441

# Friday, June 8, 2007

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15:30 - 17:00

Hall B

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**Workshop - Assessment and Diagnosis 2:  
QST IN RESEARCH AND CLINICAL TRIALS**

Chairpersons: **R. Baron**, Germany  
**R. Rolke**, Germany

Abstract No

	For Workshop Summary see abstract number	34
15:30	QUANTITATIVE SENSORY TESTING IN RESEARCH <b>R. Baron</b> , Division of Neurological Pain Research and Therapy, Department of Neurology, University Hospital, Kiel, Germany	35
15:50	QUANTITATIVE SENSATION TESTING IN RESEARCH AND CLINICAL PRACTICE <b>P.J. Dyck</b> , Department of Neurology, Mayo Clinic, Rochester, MN, USA	36
16:10	QST IN CLINICAL TRIALS - POTENTIALS AND CHALLENGES <b>M. Backonja</b> , Department of Neurology, University of Wisconsin, Madison, WI, USA	37
16:30	DISCUSSION	
17:00	COFFEE BREAK	

# Friday, June 8, 2007

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15:30 - 17:00

Hall C

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**Workshop - Epidemiology and Health Care Systems 2:  
NEUPSIG GUIDELINES ON CLASSIFICATION,  
ASSESSMENT AND TREATMENT**

Chairpersons: **R-D. Treede**, Germany  
**T.S. Jensen**, Denmark

Abstract No

- For Workshop Summary see abstract number 38
- 15:30 CONSENSUS STATEMENT ON REDEFINITION OF NEUROPATHIC PAIN AND A PROPOSAL FOR A GRADING SYSTEM.  
**R-D. Treede**, Institute of Physiology and Pathophysiology, Johannes Gutenberg University, Mainz, Germany 39
- 15:50 WHAT IS EXPECTED FROM GENERAL PRACTITIONERS IN THE DIAGNOSIS AND TREATMENT OF NEUROPATHIC PAIN?  
**M. Haanpää**, Helsinki University Central Hospital, Finland 40
- 16:10 GUIDELINES FROM THE NEUPSIG TREATMENT COMMITTEE  
**R.H. Dworkin**, University of Rochester School of Medicine and Dentistry, Rochester, USA 41
- 16:30 DISCUSSION
- 17:00 COFFEE BREAK

# Friday, June 8, 2007

15:30 - 17:00

Hall D

## Workshop - Basic Sciences 2: MAPK ACTIVATION IN NEUROPATHIC PAIN

Chairpersons: **G.R. Strichartz**, USA  
**R-R. Ji**, USA

		Abstract No
	For Workshop Summary see abstract number	42
15:30	ROLES OF EXTRACELLULAR SIGNAL-REGULATED PROTEIN KINASES (ERK) 5 IN SPINAL MICROGLIA AND PRIMARY SENSORY NEURONS FOR NEUROPATHIC PAIN <b>K. Noguchi</b> , K. Obata, Department of Anatomy and Neuroscience, Hyogo College of Medicine, Nishinomiya, Japan	43
15:50	ACTIVATION OF C-JUN N-TERMINAL KINASE (JNK) IN SPINAL ASTROCYTES FOR THE MAINTENANCE OF NEUROPATHIC PAIN <b>R-R. Ji</b> <sup>1</sup> , I. Decosterd <sup>2</sup> , <sup>1</sup> Pain Research Center, Department of Anesthesiology, Brigham and Women's Hospital and Harvard Medical School, Boston, USA, <sup>2</sup> Anesthesiology Pain Research Group, Lausanne University Hospital, Switzerland	44
16:10	ENDOTHELIN- A AND -B RECEPTORS ACTIVATE ERK IN DORSAL HORN NEURONS <b>G.R. Strichartz</b> , F. Yanagidate, Pain Research Center, Department of Anesthesiology, Perioperative and Pain Medicine, Brigham and Women's Hospital, Boston, MA, USA	45
16:30	PHOSPHORYLATION OF SODIUM CHANNEL NAV1.8 BY P38 MAPK INCREASES CURRENT DENSITY IN DRG NEURONS A. Hudmon <sup>1,3</sup> , J. Choi <sup>1</sup> , L. Tyrrell <sup>1</sup> , J.A. Black <sup>1</sup> , A.M. Rush <sup>1,4</sup> , S.G. Waxman <sup>1</sup> , <b>S.D. Dib-Hajj</b> <sup>1,2</sup> , <sup>1</sup> Department of Neurology and the Center for Neuroscience and Regeneration Research, Yale University School of Medicine, New Haven, CT, <sup>2</sup> Rehabilitation Research Center, VA Connecticut Healthcare System, West Haven, CT, <sup>3</sup> Biochemistry & Molecular Biology, STARK Neuroscience Research Institute, Indianapolis, IN, USA, <sup>4</sup> NeuroSolutions Ltd., Coventry, UK	46
16:40	DISCUSSION	
17:00	COFFEE BREAK	

# Friday, June 8, 2007

15:30 - 17:00

Hall E

## Workshop - Mechanisms and Translational Research 2: COLD PAIN- FROM SKIN TO BRAIN

Chairpersons: **A. Binder**, Germany  
**D.D. McKemy**, USA

Abstract No

- For Workshop Summary see abstract number 47
- 15:30 THE MOLECULAR BASIS OF COLD SENSATION AND COLD PAIN  
**D.D. McKemy**, Department of Biological Sciences, Neurobiology Section and School of Dentistry, Division of Diagnostic Sciences, University of Southern California, Los Angeles, USA 48
- 15:50 TORWARDS SURROGATE MODELS OF COLD HYPERALGESIA  
**N. Attal**, INSERM U 792, Hopital Ambroise Pare, AP-HP, Boulogne-Billancourt, France 49
- 16:00 BRAIN MECHANISMS OF COLD PAIN AND COLD HYPERALGESIA  
**A. Binder**, Division of Neurological Pain Research and Therapy, Department of Neurology Christian-Albrechts-Universitaet Kiel, Germany 50
- 16:30 DISCUSSION
- 17:00 COFFEE BREAK

# Friday, June 8, 2007

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15:30 - 17:00

Hall F

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**Workshop - Specific Diagnosis 2:  
PHANTOM LIMB PAIN - MECHANISMS AND THERAPY**

Chairperson: **T.R. Tölle**, Germany

Abstract No

	For Workshop Summary see abstract number	51
15:30	NEURAL MECHANISMS OF PHANTOM LIMB PAIN <b>M. Devor</b> , Department of Cell and Animal Biology and Center for Research on Pain, Hebrew University of Jerusalem, Israel	52
15:50	TREATMENT OF PHANTOM LIMB PAIN <b>R.W. Johnson</b> , University of Bristol, UK	53
16:10	CENTRAL MECHANISMS OF PHANTOM PAIN: TREATMENT IMPLICATIONS <b>H. Flor</b> , Department of Neuropsychology and Clinical Neuroscience, University of Heidelberg, Central Institute of Mental Health, Germany	54
16:30	DISCUSSION	
17:00	COFFEE BREAK	

# Friday, June 8, 2007

15:30 - 17:00

Hall G

**Workshop - Therapy 2:  
SPINAL CORD TREATMENT FOR NEUROPATHIC PAIN  
- WHERE IS THE EVIDENCE?**

Chairpersons: **G. Varrassi**, Italy  
**J.N. Campbell**, USA

Abstract No

- For Workshop Summary see abstract number 55
- 15:30 EFNS GUIDELINES ON SPINAL CORD STIMULATION FOR NEUROPATHIC PAIN  
**G. Cruccu**<sup>1</sup>, B.A. Simpson<sup>2</sup>, R.S. Taylor<sup>3</sup>,  
<sup>1</sup>Department of Neurological Sciences, La Sapienza University, Roma, Italy, <sup>2</sup>Department of Neurosurgery, University Hospital of Wales, Heath Park, Cardiff, <sup>3</sup>Peninsula Medical School, University of Exeter, UK 56
- 15:50 A CLINICIAN'S PERSPECTIVE ON INTERVENTIONAL PAIN MANAGEMENT IN NEUP: WHAT ACTUALLY WORKS?  
**J-P. Van Buyten**, AZ Nicolaas - Campus SM, St. Niklaas, Belgium 57
- 16:10 INFLUENCES OF DORSAL ROOT GANGLION PULSED RADIOFREQUENCY ON SPINAL CORD  
**J. Van Zundert**<sup>1,2</sup>, B. Joosten<sup>2</sup>, J. Patijn<sup>2</sup>, M. van Kleef<sup>2</sup>, <sup>1</sup>Department of Anesthesiology and Multidisciplinary Pain Centre, Ziekenhuis Oost-Limburg, Genk, Belgium, <sup>2</sup>Department of Anesthesiology and Pain Management, University Hospital Maastricht, The Netherlands 58
- 16:30 DISCUSSION
- 17:00 COFFEE BREAK

**MUNDIPHARMA PLENARY SPONSORED  
SYMPOSIUM:**

**SYNERGY**

Chairperson: **R. Baron**, Germany

Abstract No

- 17:30 CHAIR AND INTRODUCTION  
**R. Baron**, Division of Neurological Pain Research and  
Therapy, Department of Neurology, University  
Hospital, Kiel, Germany
- 17:35 RATIONAL BASIS FOR COMBINATION  
TREATMENT IN NEUROPATHIC PAIN  
**A.H. Dickenson**, Pharmacology University College  
London, UK
- 18:00 ALGORITHM FOR NEUROPATHIC PAIN  
TREATMENT  
**N. Finnerup**, Department of Neurology, Danish Pain  
Research Centre, Aarhus University Hospital, Aarhus  
Sygehus, Denmark
- 18:25 FIRST EVIDENCE WITH OXYCODONE IN  
DIABETIC PAINFUL NEUROPATHY  
**J. Harvey**, Wrexham Maelor Hospital, UK
- 18:50 SUMMARY





# Saturday, June 9, 2007

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**09:00 – 11:00**    **Plenary Session**    **Hall A**

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NEUROPATHIC PAIN AND INFLAMMATION

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**11:00 – 11:30**    **Coffee Break**    **Exhibition Area**

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**11:30 – 13:00**    **Parallel Workshops**    **Halls B - G**

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HALL B: NEUROIMAGING AS A DIAGNOSTIC TOOL FOR NEUROPATHIC PAIN – FACT OR FANTASY?  
HALL C: ASSESSMENT & TREATMENT OF NEUROPATHIC BACK PAIN  
HALL D: TRANSIENT RECEPTOR POTENTIAL CHANNELS – AN UPDATE  
HALL E: SMALL FIBER NEUROPATHY – FROM BASIC SCIENCE TO THE CLINIC  
HALL F: CRPS – A DISEASE WITH MANY FACES  
HALL G: EPIDURAL STEROIDS FOR SCIATICA

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**13:00 – 13:30**    **Lunch Break**    **Exhibition Area**

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**13:30 – 15:30**    **POSTER SESSION 2**    **Exhibition Area**

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- CENTRAL PAIN
  - CLINICAL – CASE STUDIES
  - MOLECULAR / CELLULAR STUDIES I & II
  - ANIMAL STUDIES – SYSTEMS
  - CLINICAL – OTHER TREATMENTS
  - HUMAN STUDIES
- 

**15:30 – 17:00**    **Parallel Workshops**    **Halls B - G**

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HALL B: ASSESSMENT OF OUTCOMES IN NEUROPATHIC PAIN CONDITIONS AND PRE-CLINICAL MODELS. ARE WE LOOKING AT THE SAME THING?  
HALL C: RESULTS OF AN AAN/EFNS TASK FORCE ON TRIGEMINAL NEURALGIA MANAGEMENT  
HALL D: GROWTH FACTORS AND HYPERALGESIA  
HALL E: CHEMOTHERAPY INDUCED NEUROPATHY  
HALL F: RECENT DEVELOPMENTS IN HERPES ZOSTER & POSTHERPETIC NEURALGIA – MECHANISMS, PREVENTION & TREATMENT  
HALL G: TOPICAL AND TRANSDERMAL TREATMENTS FOR NEUROPATHIC PAIN

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**17:00 – 17:30**    **Coffee Break**    **Exhibition Area**

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**17:30 – 19:00**    **Industry Sponsored Symposium**    **Hall G**

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VERSATIS®: A NOVEL TREATMENT APPROACH FOR POWERFUL RELIEF OF NEUROPATHIC PAIN SYMPTOMS  
Sponsored by Grünenthal

# Saturday, June 9, 2007

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09:00 - 11:00

Hall A

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**PLENARY SESSION:**

**NEUROPATHIC PAIN AND INFLAMMATION**

Chairpersons: **A.S.C. Rice**, UK  
**J.E. Charlton**, UK

Abstract No

- |       |  |   |
|-------|--|---|
| 09:00 | NEUROPATHIC PAIN AND INFLAMMATION: AN ANIMAL MODEL OF POSTHERPETIC NEURALGIA<br><b>S.M. Fleetwood-Walker</b> , Centre for Neuroscience Research, Division of Veterinary Biomedical Sciences, Royal School of Veterinary Studies, University of Edinburgh, UK | 5 |
| 09:30 | TOWARDS PREVENTION OF POSTHERPETIC NEURALGIA<br><b>R.W. Johnson</b> , University of Bristol, UK  | 6 |
| 10:00 | PAIN IN HIV-ASSOCIATED NEUROPATHY<br><b>D.M. Simpson</b> , Neuro-AIDS Research Program, Clinical Neurophysiology Laboratories, Mount Sinai Medical Center, NY, USA   | 7 |
| 10:30 | MULTIPLE SCLEROSIS AND PAIN<br><b>H.P. Hartung</b> , Department of Neurology, Heinrich-Heine-University, Dusseldorf, Germany   |   |
| 11:00 | COFFEE BREAK   |   |

**Workshop - Assessment and Diagnosis 3:  
NEUROIMAGING AS A DIAGNOSTIC TOOL FOR  
NEUROPATHIC PAIN - FACT OR FANTASY?**

Chairpersons: **T.R. Tölle**, Germany  
**M.C. Bushnell**, Canada

Abstract No

	For Workshop Summary see abstract number	59
11:30	WHAT TO LEARN FROM LIGAND-PET IMAGING STUDIES ? <b>T.R. Tölle</b> , M. Valet, G. Henriksen, T. Sprenger, Neurologische Klinik, Munich, Germany	60
11:50	FUNCTIONAL MRI AS A TOOL FOR DIAGNOSIS IN NEUROPATHIC PAIN <b>I. Tracey</b> , P. Schweinhardt, H.J. McQuay, K. Wartolowska, Oxford University, UK	61
12:10	WHAT CAN BRAIN MORPHOMETRY TELL US ABOUT CHRONIC PAIN? <b>M.C. Bushnell</b> , A. Kuchinad, P. Schweinhardt, D.A. Seminowicz, Centre for Research on Pain, Montreal, Canada	62
12:30	DISCUSSION	
13:00	LUNCH BREAK	

**Workshop - Epidemiology and Health Care Systems 3:  
ASSESSMENT AND TREATMENT OF NEUROPATHIC  
BACK PAIN**

Chairpersons: **R. Rolke**, Germany  
**J. Van Zundert**, Belgium

Abstract No

	For Workshop Summary see abstract number	63
11:30	QUESTIONNAIRES IN NEUROPATHIC PAIN: WHAT HAVE WE LEARNED FROM THE LANSS PAIN SCALE? <b>M.I. Bennett</b> , St Gemma's Hospice, Leeds, UK	64
11:50	QUANTITATIVE SENSORY TESTING: ASSESSMENT OF THE NEUROPATHIC COMPONENT IN LOW BACK PAIN <b>R. Rolke</b> , Department of Neurology, University of Mainz, Germany	65
12:10	TREATMENT OF NEUROPATHIC PAIN; INTERVENTIONAL TREATMENT OPTIONS <b>S. Erdine</b> , Department of Algology, Medical Faculty of Istanbul, Turkey	66
12:30	DISCUSSION	
13:00	LUNCH BREAK	

# Saturday, June 9, 2007

11:30 - 13:00

Hall D

**Workshop - Basic Sciences 3:  
TRANSIENT RECEPTOR POTENTIAL CHANNELS - AN  
UPDATE**

Chairpersons: **K. Noguchi**, Japan  
**R.F. Schmidt**, Germany

Abstract No

- For Workshop Summary see abstract number 67
- 11:30 THERMOSENSITIVE TRP CHANNELS AND  
NOCICEPTION  
**M. Tominaga**, National Institutes of Natural Sciences,  
Okazaki, Japan 68
- 11:50 SENSITIVITY AND SENSITIZATION OF  
PERIPHERAL NERVE AXONS INVOLVE THE  
CAPSAICIN RECEPTOR TRPV1  
**P.W. Reeh**, Institute of Physiology and  
Pathophysiology, University of Erlangen-Nuremberg,  
Germany 69
- 12:10 COLD SENSITIVITY OF SENSORY NEURONS  
**M. Koltzenburg**, UCL Institute of Child Health,  
London, UK 70
- 12:30 DISCUSSION
- 13:00 LUNCH BREAK

**Workshop - Mechanisms and Translational Research 3:  
SMALL FIBER NEUROPATHY - FROM BASIC SCIENCE  
TO THE CLINIC**

Chairpersons: **C.L. Sommer**, Germany  
**S.M. Fleetwood-Walker**, UK

Abstract No

- For Workshop Summary see abstract number 71
- 11:30 LABORATORY MODELS OF NEUROPATHIC PAIN AND THEIR APPLICATION IN DEVELOPING NEW ANALGESICS  
**S.M. Fleetwood-Walker**<sup>1</sup>, C.J. Proudfoot<sup>1</sup>, E.M. Garry<sup>1</sup>, D.F. Cottrell<sup>1</sup>, R. Rosie<sup>1</sup>, H. Anderson<sup>1</sup>, A. Delaney<sup>1</sup>, D.C. Robertson<sup>1</sup>, R. Mitchell<sup>2</sup>, <sup>1</sup>Centre for Neuroscience Research, Division of Veterinary Biomedical Sciences, University of Edinburgh, UK, <sup>2</sup>Centre for Integrative Physiology (Membrane Biology Group), School of Biomedical Sciences, University of Edinburgh, UK 72
- 11:50 CUTANEOUS INNERVATION IN SMALL FIBER NEUROPATHIES  
**J.W Griffin**, Johns Hopkins University, Baltimore, USA 73
- 12:10 PAIN IN SMALL FIBER NEUROPATHIES: SKIN BIOPSY FINDINGS AND MEASURES OF INFLAMMATION  
**C.L. Sommer**<sup>1</sup>, E. Vlckova<sup>2</sup>, W. Kafke<sup>1</sup>, N. Ueceyler<sup>1</sup>, <sup>1</sup>Neurologische Klinik Der Universitaet Wuerzburg, Germany, <sup>2</sup>Department of Neurology, University Hospital Brno, Czech Republic 74
- 12:30 DISCUSSION
- 13:00 LUNCH BREAK

# Saturday, June 9, 2007

11:30 - 13:00

Hall F

## Workshop - Specific Diseases 3: CRPS - A DISEASE WITH MANY FACES

Chairpersons: **S.N. Raja**, USA  
**R. Baron**, Germany

		Abstract No
	For Workshop Summary see abstract number	75
11:30	EXTENDED DIAGNOSTIC PROCEDURES IN PATIENTS WITH COMPLEX REGIONAL PAIN SYNDROME <b>C. Maier</b> , BG Kliniken Bergmannsheil, Ruhr University Bochum, Germany	76
11:50	COMPLEX REGIONAL PAIN SYNDROME: NO BRAIN - NO PAIN? <b>C. Maihofner</b> , Departments of Neurology and Experimental Pathophysiology, University of Erlangen, Germany	77
12:10	CRPS-A DISEASE WITH LIMITED EVIDENCE-BASED THERAPIES <b>S.N. Raja</b> , The Johns Hopkins University, Department of Anesthesiology, Critical Care Medicine, Baltimore, Maryland, USA	78
12:30	DISCUSSION	
13:00	LUNCH BREAK	



# Saturday, June 9, 2007

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11:30 - 13:00

Hall G

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**Workshop - Therapy 3:  
EPIDURAL STEROIDS FOR SCIATICA**

Chairpersons: **J.C.D. Wells**, UK  
**J.E. Charlton**, UK

Abstract No

	For Workshop Summary see abstract number	79
11:30	NERVE BLOCKS FOR CHRONIC PAIN - WHAT IS THE EVIDENCE? <b>S.H. Butler</b> , Department of Anesthesiology and Intensive Care, Academic Hospital of Uppsala, Sweden	80
12:00	EPIDURAL STEROIDS FOR BACK PAIN AND SCIATICA - HOW ARE THEY DONE AND DO THEY WORK? <b>J.C.D. Wells</b> , Consultant in Pain Relief, Pain Matters, Liverpool, UK	81
12:30	DISCUSSION	
13:00	LUNCH BREAK	

# Saturday, June 9, 2007

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13:30 - 15:30

Exhibition Area

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**POSTER SESSION 2:**

(Pages 66 – 99)

- CENTRAL PAIN (Boards 1 – 21)
- CLINICAL – CASE STUDIES (Boards 22 – 42)
- MOLECULAR / CELLULAR STUDIES I & II (Boards 43 – 72)
- ANIMAL STUDIES – SYSTEMS (Boards 73 – 106)
- CLINICAL – OTHER TREATMENTS (Boards 107 – 145)
- HUMAN STUDIES (Boards 146 – 170)

## POSTER SESSION 2: CENTRAL PAIN

Board No		Abstract No
1	<p>TOPOGRAPHIC DISTRIBUTION AND POSTSYNAPTIC RESPONSES OF NOCICEPTIVE NEURONS OF THE SOMATOSENSORY CORTEX DURING PAINFUL STIMULATION T.S. Labakhua<sup>2</sup>, T.T. Tkemaladze<sup>1</sup>, G.P. Gurtskaia<sup>1</sup>, T.K. Janashia<sup>1</sup>, <b>E.V. Abzianidze</b><sup>2</sup>, <sup>1</sup>Neurophysiology, Institute of Physiology, <sup>2</sup>Medical Biology and Genetic, Tbilisi, Georgia</p>	296
2	<p>INVOLVEMENT OF G-PROTEIN COUPLED SIGNALING IN THE MODULATION OF GLIAL PROINFLAMMATORY CYTOKINE EXPRESSION <b>S.H. Cho</b>, C.H. Park, J.S. Seo, S.J. Lee, S.B. Oh, K.P. Park, J.S Kim, S.Y. Choi, Department of Physiology and Interdisciplinary Program in Brain Science, College of Dentistry and Dental Research Institute, Seoul National University, Seoul, Korea</p>	297
3	<p>A BILATERAL LESION OF THE INSULAR CORTEX DIMINISHES NEUROPATHIC AND INFLAMMATORY NOCICEPTION. <b>U. Coffeen</b><sup>1,2</sup>, A. Lopez-Avila<sup>1,3</sup>, J.M. Ortega-Legaspi<sup>1,4</sup>, R. Del Angel<sup>1</sup>, O. Jaimes<sup>1</sup>, F. Pellicer<sup>1</sup>, <sup>1</sup>Laboratorio De Fisiologia Integrativa, Direccion De Investigaciones En Neurociencias, Instituto Nacional De Psiquiatria Ramon De La Fuente, <sup>2</sup>Departamento De Farmacobiologia, Centro De Investigacion Y De Estudios Avanzados Del IPN, <sup>3</sup>Division De Ciencias Biologicas Y De La Salud, Universidad Autonoma Metropolitana, Xochimilco, Mexico City, D.F., <sup>4</sup>Facultad De Medicina, Universidad Nacional Autonoma De Mexico, Queretaro, Mexico</p>	298
4	<p>ELECTROPHYSIOLOGICAL AND ANATOMICAL EVIDENCE OF AN OXYTOCINERGIC PAIN CONTROL SYSTEM. <b>M. Condes-Lara</b>, G. Rojas-Piloni, G. Martinez-Lorenzana, Departamento De Neurobiologia Del Desarrollo Y Neurofisiologia, Instituto De Neurobiologia, Universidad Nacional Autonoma De Mexico, Queretaro, Mexico</p>	299
5	<p>INCREASED ZIF268 RESPONSE TO EVOKED ABOVE-LEVEL NEUROPATHIC PAIN FOLLOWING SPINAL COMPRESSION INJURY IN RATS. <b>V.S. Densmore</b>, P.B. Osborne, J.R. Keast, Pain Management Research Institute, Kolling Institute, University of Sydney, St Leonards, NSW, Australia</p>	300

## POSTER SESSION 2: CENTRAL PAIN (cont)

Board No		Abstract No
6	<p>DOES PAIN MEASUREMENT DISTINGUISH PATIENTS WITH CPSP FROM PATIENTS WITH TYPICAL CLINICAL FEATURES BUT NO PAIN? <b>R.D. Helme</b><sup>1</sup>, E. Pitts<sup>2</sup>, <sup>1</sup>Medicine(RMH), University of Melbourne, <sup>2</sup>Neurology, Western Hospital, Footscray, Victoria, Australia</p>	301
7	<p>STRUCTURAL REMODELLING OF DIFFERENT CLASSES OF PRIMARY AFFERENTS AND DESCENDING PROJECTIONS IN THE DORSAL HORN FOLLOWING SPINAL CORD INJURY. <b>A. Kalous</b>, P.B. Osborne, J.R. Keast, Pain Management Research Institute and Kolling Institute, Northern Clinical School, University of Sydney at Royal North Shore Hospital, St. Leonards, NSW, Australia</p>	302
8	<p>PAIN AND PAIN THRESHOLDS IN PARKINSON'S DISEASE <b>S.O Machnev</b><sup>1</sup>, O.S Levin<sup>2</sup>, <sup>1</sup>Russian Medical Academy of Advanced Studying, Moscow, Russia</p>	303
9	<p>EFFICACY, BY BASELINE SEVERITY OF ANXIETY SYMPTOMS, OF PREGABALIN FOR TREATING CENTRAL NEUROPATHIC PAIN IN PATIENTS WITH SPINAL CORD INJURY(SCI) <b>T.K. Murphy</b><sup>1</sup>, P.J. Siddall<sup>2</sup>, T. Griesing<sup>1</sup>, <sup>1</sup>Pfizer, Inc, New York, NY, USA, <sup>2</sup>Pain Management Research Institute, University of Sydney at Royal North Shore Hospital, Australia</p>	304
10	<p>THE REHABILITATION PROGRAM FOR THE COMPLEX REGIONAL PAIN SYNDROME TYPE I TO THE HAEMIPLEGIC PATIENT <b>A.S. Nica</b>, A.I. Murgu, G. Mologhianu, M. Ivascu, Department of Physical Medicine and Rehabilitation, University of Medicine, Bucharest, Romania</p>	305
11	<p>CHRONIC PAIN IN PARKINSON'S DISEASE : THE CROSS SECTIONNAL DOPAMIP SURVEY <b>O. Rascol</b><sup>1</sup>, L. Negre-Pages<sup>1,2</sup>, D.S.G. DOPAMIP Study Group<sup>1</sup>, <sup>1</sup>Department of Clinical Pharmacology, Toulouse University Hospital, <sup>2</sup>LN Pharma, Toulouse, France</p>	306

## POSTER SESSION 2: CENTRAL PAIN (cont)

Board No		Abstract No
12	<p>LONG-TERM USE OF SATIVEX IN MULTIPLE SCLEROSIS CENTRAL PAIN; DOSING AND CHANGES IN CONCOMITANT ANALGESIA</p> <p><b>D.J. Rog</b><sup>1,3</sup>, T.J. Nurmikko<sup>3,4</sup>, N.S. Sarantis<sup>5</sup>, C.A. Young<sup>2,3</sup>, <sup>1</sup>Department of Neurology, Greater Manchester Neurosciences Centre, Manchester, <sup>2</sup>Walton Centre for Neurology and Neurosurgery, Liverpool, <sup>3</sup>University of Liverpool, <sup>4</sup>Pain Research Institute, Liverpool, <sup>5</sup>GW Pharmaceuticals Ltd, Porton Down, UK</p>	307
13	<p>PAIN SEVERITY, MANAGEMENT AND PATIENT FUNCTIONING IN CENTRAL NEUROPATHIC PAIN: RESULTS FROM A CROSS-SECTIONAL SURVEY IN SIX EUROPEAN COUNTRIES</p> <p><b>A. Sadosky</b>, E. Dukes, Pfizer, Inc Worldwide Outcomes Research, New York, USA</p>	308
14	<p>PAIN DETECTION THRESHOLD IS DECREASED IN THE MIGRAINE PRE-ATTACK STATE: EVIDENCE FOR SLIGHT GENERALIZED HYPERALGESIA?</p> <p><b>T. Sand</b><sup>1,2</sup>, N. Zhitny<sup>1</sup>, L.J. Stovner<sup>1,2</sup>, <sup>1</sup>Department of Neuroscience, Faculty of Medicine, NTNU-Norwegian University of Science and Technology, Trondheim, Norway, <sup>2</sup>Department of Clinical Neurophysiology, St.Olavs Hospital, Trondheim, Norway</p>	309
15	<p>THE DEJERINE ROUSSY SYNDROME : THE DISCLOSURES OF ROUSSY</p> <p><b>J.B. Thiebaut</b><sup>1</sup>, O. Plaisant<sup>2</sup>, J. Mikol<sup>3</sup>, J.F. Uhl<sup>2</sup>, B. Silhouette<sup>1</sup>, H. Andrianasolo<sup>1</sup>, A. Margot-Duclot<sup>1</sup>, L. Sitzmann<sup>1</sup>, <sup>1</sup>Neurochirurgie-UTD, Fondation Rothschild, <sup>2</sup>Département D'anatomie, Faculté De Médecine ParisV-Université René Descartes, <sup>3</sup>Anatomopathologie, Hôpital Lariboisière, Paris, France</p>	310
16	<p>MOTOR CORTEX STIMULATION FOR THE TREATMENT OF DIFFERENT NEUROPATHIC PAIN SYNDROMES</p> <p><b>V.M. Tronnier</b>, D. Klase, D. Rasche, Department of Neurosurgery, Universitaetsklinikum Schleswig-Holstein, Campus Luebeck, Germany</p>	311
17	<p>MORPHINE-INDUCED MYOCLONUS IN MULTIPLE SCLEROSIS PATIENT (CASE REPORT)</p> <p><b>D. Vondrackova</b><sup>1,2</sup>, <sup>1</sup>Pain Management Department, Institute for Postgraduate Medical Education, <sup>2</sup>Pain Management Centre, University Hospital Bulovka, Prague, Czech Republic</p>	312

## POSTER SESSION 2: CENTRAL PAIN (cont)

Board No		Abstract No
18	<p>DISCOMPLETE LESIONS OF THE SPINOTHALAMIC TRACT PREDICT THE PRESENCE OF NEUROPATHIC PAIN FOLLOWING SPINAL CORD INJURY</p> <p><b>G. Wasner</b><sup>1,2</sup>, <sup>1</sup>Prince of Wales Medical Research Institute, University of New South Wales, Randwick, NSW, Australia, <sup>2</sup>Department of Neurological Pain Research and Therapy, University of Schleswig-Holstein, Campus Kiel, Germany</p>	313
19	<p>CASE SERIES OF MULTIPLE SCLEROSIS PATIENTS WITH NEUROPATHIC PAIN IMPROVED WITH THE ORAL CANNABINOID NABILONE</p> <p><b>W.A. Wine</b><sup>1</sup>, G.D. Ko<sup>1,2</sup>, E.J. Tumarkin<sup>1</sup>, <sup>1</sup>Canadian Centre for Integrative Medicine, Markham, <sup>2</sup>University of Toronto, Sunnybrook Health Sciences Centre, Toronto, Ontario, Canada</p>	314
20	<p>MOVEMENT IMAGERY EVOKES PAIN IN SPINAL CORD INJURED PATIENTS</p> <p>S. Gustin<sup>1&amp;2</sup>, <b>P.J. Wrigley</b><sup>1</sup>, P.G. Nash<sup>2</sup>, V.G. Macefield<sup>3&amp;4</sup>, S.C. Gandevia<sup>4</sup>, M.J. Cousins<sup>1</sup>, L.A. Henderson<sup>2</sup>, P.J. Siddall<sup>1</sup>, <sup>1</sup>Pain Management Research Institute, University of Sydney, Royal North Shore Hospital, <sup>2</sup>Department of Anatomy and Histology, University of Sydney, <sup>3</sup>Department of Physiology, University of Western Sydney, <sup>4</sup>Prince of Wales Medical Research Institute and the University of New South Wales, Sydney, NSW, Australia</p>	315
21	<p>INFLUENCE OF AGE ON CENTRAL POST-STROKE PAIN</p> <p><b>M. Zaletel</b>, B. Zvan, J. Kobal, University Medical Centre, Department of Neurology, Ljubljana, Slovenia</p>	316

## POSTER SESSION 2: CLINICAL - CASE STUDIES

Board No		Abstract No
22	<p>CHRONIC PAIN AFTER OPEN REPAIR OF INGUINAL HERNIA M. Kokolaki, <b>A. Bairaktari</b>, P. Kamperi, M. Vafiadou, Department of Anesthesia and Pain Clinic, "Sismanoglion" General Hospital, Athens, Greece</p>	317
23	<p>THE TRIGEMINAL NEURALGIA : WHEN ESSENTIAL CRITERIA MEET COMPRESSIVE ETIOLOGY. E. Blondet<sup>5</sup>, <b>T. Briche</b><sup>3</sup>, D. Vandershooten<sup>4</sup>, V. Prudon<sup>2</sup>, M. Sindou<sup>1</sup>, <sup>1</sup>Department of Neurosurgery, Hopital P. Wertheimer, Lyon, <sup>2</sup>Department of Medical Imagery, <sup>3</sup>Department of ENT Surgery, <sup>4</sup>Department of Psychiatry, <sup>5</sup>Department of Neurosurgery, HIA Percy, Clamart, France</p>	318
24	<p>NEUROMODULATION IN THE MANAGEMENT OF PAIN FROM BRACHIAL PLEXUS AVULSION <b>S. Brill</b>, I. Goor-Aryeh, Pain Clinic, Department of Anesthesiology and Intensive Care, The Chaim Sheba Medical Center, Tel Hashomer, Israel</p>	319
25	<p>CASE REPORT: EFFICACY OF ZICONOTIDE IN MIXED NEUROPATHIC AND NOCICEPTIVE PAIN <b>M. Brookes</b>, S. Eldabe, Department of Pain &amp; Anaesthesia, The James Cook University Hospital, Middlesbrough, UK</p>	320
26	<p>RAPID TITRATION OF ZICONOTIDE FOR THE TREATMENT OF SEVERE INTRACTABLE BACK PAIN FROM METASTATIC SPINAL ANAPLASTIC EPENDYMOMA <b>B.M. Bruel</b>, A.W. Burton, J. Ting, M. Mosura, Anesthesiology and Pain Medicine, University of Texas MD Anderson Cancer Center, Houston, Texas, USA</p>	321
27	<p>NEUROPATHIC CHRONIC PAIN FOLLOWING TRAUMATHIC BRACHIAL PLEXUS TOTAL SECTION MANAGED BY TRANSDERMAL BUPRENORPHINE PATCH(TDS): ORIGINAL CASE REPORT <b>M. Evangelista</b>, B. Cappa, Istituto Di Anestesiologia, Rianimazione E Terapia Del Dolore, Policlinico A. Gemelli, Roma, Italia</p>	322
28	<p>APPLICATION OF SPINAL CHORD STIMULATOR IN DIFFERENT CASES OF CHRONICAL PAIN <b>F. Fossi</b>, Regional Hospital, Via Tronto, Ancona, Italy</p>	323

## POSTER SESSION 2: CLINICAL - CASE STUDIES (cont)

Board No		Abstract No
29	RECHARGEABLE SCS SYSTEMS WITH INDEPENDENT CURRENT CONTROL BENEFIT PATIENTS AND THE HEALTH CARE SYSTEM: CASE REPORTS <b>L. Frank</b> <sup>1</sup> , U. Klostermann <sup>1</sup> , A. Wenk Lang <sup>2</sup> , <sup>1</sup> Schmerzzentrum Zofingen, <sup>2</sup> Boston Scientific AG, Solothurn, Switzerland	324
30	OPTIMAL PARESTHESIA COVERAGE WITH OFFSET DUAL PARALLEL LEADS IN SPINAL CORD STIMULATION FOR CHRONIC PAIN D.S. Goodman <sup>1</sup> , S.L. Page <sup>2</sup> , <b>R.B. Gorman</b> <sup>3</sup> , <sup>1</sup> Northwest Pain Consultants, Bellevue, WA, <sup>2</sup> Pain Management Services, St Louis, MO, <sup>3</sup> Boston Scientific, Valencia, CA, USA	325
31	INTRAVENOUS ADMINISTRATION OF ADENOSINE (ADENOCOR®) IN THE TREATMENT OF SEVERE, THERAPY-RESISTANT, CENTRAL NEUROPATHIC PAIN. <b>G. Hans</b> , K. Van Maldeghem, D. Robert, Multidisciplinary Pain Center, Antwerp University Hospital, Edegem, Belgium	326
32	CASE SERIES OF FIBROMYALGIA (FMS) PATIENTS WITH NEUROPATHIC PAIN IMPROVED WITH THE SUBLINGUAL CANNABINOID SATIVEX <b>G.D. Ko</b> <sup>1,2,3</sup> , W. Wine <sup>2</sup> , E. Tumarkin <sup>2</sup> , <sup>1</sup> Department of Rehabilitation Medicine, University of Toronto, Sunnybrook Health Sciences Centre, <sup>2</sup> Canadian Centre for Integrative Medicine, Markham, <sup>3</sup> St. John's Rehabilitation Hospital, University of Toronto, Ontario, Canada	327
33	SUCCESSFUL TREATMENT OF LEG AND LOWER BACK PAIN USING A SINGLE PROGRAM WITH A NEXT GENERATION SCS DEVICE: CASE REPORT <b>A. Koulousakis</b> <sup>1</sup> , A.C. Khodavirdi <sup>2</sup> , <sup>1</sup> The University Hospital of Cologne, Germany, <sup>2</sup> Boston Scientific Neuromodulation, Valencia, CA, USA	328
34	THE SYNDROME OF INTRACTABLE PAIN OF UPPER LIMB OF A YOUNG GIRL <b>J. Kozak</b> <sup>1</sup> , I. Vrba <sup>2</sup> , F. Neradilek <sup>3</sup> , <sup>1</sup> Multidisciplinary Pain Centre, University Hospital MOTOL, <sup>2</sup> Department Anaesthesiology and Resuscitation, Hospital Na Homolce, <sup>3</sup> Department of Rehabilitation and Algology, Prague, Czech Republic	329



**POSTER SESSION 2: CLINICAL - CASE STUDIES  
(cont)**

Board No		Abstract No
35	DIAGNOSIS AND TREATMENT OF VAGAL NEURALGIA IN A PATIENT WITH LARYNGOPHARYNGEAL REFLUX: A CASE REPORT <b>I. Lokshina</b> , C. Agin, I. Feinstein, R. Katz, Department of Anesthesiology, Stony Brook Medical Center, Stony Brook, New York, USA	330
36	MADAME OUI-NON. DIAGNOSTIC DYSPRAXIA AND CENTRAL PAIN <b>A. Margot-Duclot</b> <sup>1</sup> , J.B. Thiebaut <sup>1</sup> , S. Chokron <sup>2</sup> , B. Silhouette <sup>1</sup> , L. Sitzmann <sup>1</sup> , H. Andrianasolo <sup>1</sup> , <sup>1</sup> Neurochirurgie-UTD, <sup>2</sup> CNRS-UMR 5105, Fondation Rothschild, Paris, France	331
37	NERVE SHEATH CATHETER ANALGESIA AFTER AMPUTATION AND PHANTOM PAIN : A CASE REPORT IN A PEDIATRIC PATIENT <b>L.A. Pereiras</b> , Anesthesia and Pain Management , St.Jude Children's Research Hospital, Memphis, TN, USA	332
38	LAMOTRIGINE IN INTRACTABLE TRIGEMINAL NEURALGIA ASSOCIATED WITH MULTIPLE SCLEROSIS: A CASE REPORT <b>A. Pražnikar</b> , Neuropathic Pain Clinic, Rehabilitation Institute, Ljubljana, Slovenia	333
39	CASE REPORT: POSITIVE CLINICAL EXPERIENCE OF TREATING CHRONIC NON-CANCER PAIN WITH ZICONOTIDE K.H. Simpson <sup>1</sup> , <b>A. Kotzé</b> <sup>2</sup> , <sup>1</sup> The Leeds Teaching Hospitals, <sup>2</sup> Department of Anaesthesia, St James's University Hospital, Leeds, West Yorkshire, UK	335
40	TREATMENT OPTIONS IN PATIENTS AFFECTED BY PERSISTENT VEGETATIVE <b>N. Stefani</b> <sup>1</sup> , G. Rea <sup>2</sup> , D. Mangeruga <sup>3</sup> , P.V Nardi <sup>4</sup> , <sup>1</sup> Neurochirurgia, Policlinico Casilino, Rome, Italy	336

# Saturday, June 9, 2007

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13:30 - 15:30

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**POSTER SESSION 2: CLINICAL - CASE STUDIES  
(cont)**

Board No		Abstract No
41	<p>OXYCODONE IN NEUROPATHIC PAIN: A CLINICAL EXPERIENCE. <b>D. Ventura Vargas</b><sup>1</sup>, S. Martin Sanchez<sup>2</sup>, <sup>1</sup>Department of Anaesthesiology, Hospital De Puerto Real, Puerto Real, Spain</p>	338
42	<p>CASE REPORT: ZICONOTIDE TREATMENT FOR A NEUROPATHIC AND A DEGENERATIVE PAIN PROBLEM <b>A. Ver Donck</b>, Multidisciplinary Pain Centre, AZ Sint Jan, Brugge, Belgium</p>	339

## POSTER SESSION 2: MOLECULAR/CELLULAR STUDIES I & II

Board No		Abstract No
43	<p>NUMBERS, DENSITIES AND CO-LOCALIZATION OF AMPA AND NMDA RECEPTORS AT INDIVIDUAL SYNAPTIC CONTACT AREAS IN THE SUPERFICIAL SPINAL DORSAL HORN</p> <p><b>M. Antal</b><sup>1</sup>, Y. Fukozawa<sup>2</sup>, M. Eördögh<sup>1</sup>, R. Shigemoto<sup>2</sup>, <sup>1</sup>Department of Anatomy, Histology and Embryology, Faculty of Medicine, University of Debrecen, Debrecen, Hungary, <sup>2</sup>Division of Cerebral Structures, National Institutes for Physiological Sciences, Myodaiji, Okazaki, Japan</p>	340
44	<p>NEUROPATHIC PAIN AND SPINAL GLIA: CHARACTERIZATION OF C-JUN N-TERMINAL KINASE (JNK) ACTIVATION IN ASTROCYTE CULTURES</p> <p><b>A.T. Beggah</b><sup>1,2</sup>, A. Parent<sup>3</sup>, M. Pertin<sup>1,2</sup>, C. Bonny<sup>4,5</sup>, L. Pellerin<sup>3</sup>, R-R. Ji<sup>6</sup>, I. Decosterd<sup>1,2</sup>, <sup>1</sup>Anesthesiology Department, <sup>2</sup>Department of Cellular Biology and Morphology, <sup>3</sup>Department of Physiology, <sup>4</sup>Unit of Medical Genetics, Lausanne University, <sup>5</sup>Xigen S.A, Lausanne, Switzerland, <sup>6</sup>Department of Anesthesiology, Pain Research Center, Brigham and Women's Hospital and Harvard Medical School, Boston, USA</p>	341
45	<p>MAPPING THE SIGNALLING PATHWAY OF THE CANNABINOID SYSTEM IN THE HUMAN BRAIN</p> <p>S. Platzer<sup>1</sup>, F. Bonke<sup>1</sup>, A. Buettner<sup>2</sup>, T.R. Toelle<sup>1</sup>, <b>A. Berthele</b><sup>1</sup>, <sup>1</sup>Department of Neurology, Technical University, <sup>2</sup>Institute of Legal Medicine, Ludwig Maximilians University, Munich, Germany</p>	342
46	<p>THE CONTRIBUTION OF TRPA1 AND TRPM8 TO COLD ALLODYNIA AND NEUROPATHIC PAIN</p> <p><b>O. Caspani</b>, S. Zurborg, P.A. Heppenstall, Klinik Für Anaesthesiologie, Charité - Universitätsmedizin Berlin, Campus Benjamin Franklin, Berlin, Germany</p>	343
47	<p>RALFINAMIDE ACTS THROUGH NMDA RECEPTOR COMPLEX: A CENTRAL ROLE FOR CHRONIC PAIN TREATMENT</p> <p>E. Colombo, L. Curatolo, C. Caccia, P. Salvati, <b>L. Faravelli</b>, Discovery Department, Newron Pharmaceuticals SpA, Bresso (MI), Italy</p>	344

## POSTER SESSION 2: MOLECULAR/CELLULAR STUDIES I & II (cont)

Board No		Abstract No
48	PERIPHERAL EFFECT OF CANNABINOIDS: WIN 55,212-2 INHIBITS AXONAL ACTIVITY IN THE RAT SKIN-NERVE IN VITRO PREPARATION. R. Giron, <b>C. Goicoechea</b> , N. Paniagua, M.I. Martin, Departamento Ciencias De La Salud III, Facultad De Ciencias De La Salud, Universidad Rey Juan Carlos, Alcorcon, Madrid, Spain	345
49	EXPRESSION OF IL-15 IN THE SPINAL CORD AFTER CHRONIC CONSTRICTION INJURY <b>D. Gomez-Nicola</b> <sup>1,2</sup> , E. Martin-Lopez <sup>1</sup> , M. Nieto-Sampedro <sup>1,2</sup> , <sup>1</sup> Neural Plasticity Department, Cajal Institute, Madrid, <sup>2</sup> Experimental Neurology Unit, Hospital Nacional De Paraplejicos, Toledo, Spain	346
50	INDUCTION OF FILOPODIAL STRUCTURES BY OVER-EXPRESSION OF TRPV1 <b>C. Goswami</b> , T. Hucho, Signal Transduction in Pain and Mental Retardation, Max Planck Institute for Molecular Genetics, Berlin, Germany	347
51	EXCITABILITY AFTER THE ACTION POTENTIAL INDICATES CHANGES IN MEMBRANE POTENTIAL OF ISOLATED NOCICEPTIVE C-FIBERS G. Moalem-Taylor <sup>2</sup> , P.M. Lang <sup>3</sup> , D.J. Tracey <sup>2</sup> , <b>P. Grafe</b> <sup>1</sup> , <sup>1</sup> Department of Physiology, University of Munich, Germany, <sup>2</sup> School of Medical Sciences, University of New South Wales, Sydney, Australia, <sup>3</sup> Department of Anesthesiology, University of Munich, Germany	348
52	NOVEL DUAL MECHANISM OF ACTION OF THE ANTIEPILEPTIC LACOSAMIDE <b>C. Heers</b> <sup>1</sup> , B. Beyreuther <sup>1</sup> , J. Freitag <sup>1</sup> , G. Lees <sup>2</sup> , A. Errington <sup>2</sup> , T. Stoehr <sup>1</sup> , <sup>1</sup> Department of Pharmacology and Toxicology, Schwarz BioSciences GmbH, Monheim, Germany, <sup>2</sup> University of Otago, Dunedin, New Zealand	349
53	CHARACTERIZATION OF ENDOGENOUS PKC-EPSILON IN F11 CELL, A MODEL SYSTEM FOR STUDYING PAIN SIGNALLING C. Goswami, J. Kumar, <b>T. Hucho</b> , Signal Transduction in Pain and Mental Retardation, Max Planck Institute for Molecular Genetics, Berlin, Germany	350

## POSTER SESSION 2: MOLECULAR/CELLULAR STUDIES I & II (cont)

Board No		Abstract No
54	<p>AN INCREASED AMOUNT OF ED-1+ CELL PROFILES IN DRG FOLLOWING SCIATIC NERVE LIGATURE AND VENTRAL ROOT TRANSECTION</p> <p>P. Dubovy<sup>1</sup>, L. Tuckova<sup>1</sup>, I. Svizenska<sup>1</sup>, <b>R. Jancalek</b><sup>2</sup>, I. Klusakova<sup>1</sup>, <sup>1</sup>Department of Anatomy, Division of Neuroanatomy, Faculty of Medicine, <sup>2</sup>Department of Neurosurgery, St. Anne's University Hospital, Brno, Czech Republic</p>	351
55	<p>DIFFERENTIAL CHANGES IN TRPV1 EXPRESSION IN TRIGEMINAL GANGLION NEURONS FOLLOWING TRIGEMINAL SENSORY NERVE INJURY</p> <p><b>H.Y. Kim</b><sup>1</sup>, S.J. Jung<sup>2</sup>, J.S. Kim<sup>1</sup>, S.B. Oh<sup>1</sup>, <sup>1</sup>Department of Physiology and Program in Molecular and Cellular Neuroscience, College of Dentistry, Seoul National University, <sup>2</sup>Department of Physiology, College of Medicine, Kangwon National University, Chunchon, South Korea</p>	352
56	<p>INHIBITION OF COX-2 EXPRESSION IN RAT SPINAL DORSAL HORN BY ELECTROACUPUNCTURE IN NEUROPATHIC PAIN.</p> <p><b>W.K. Lau</b>, W.K. Chan, W.T. Chan, J.L. Zhang, H.Q. Zhang, School of Chinese Medicine, Hong Kong Baptist University, Hong Kong SAR</p>	353
57	<p>THE EXPRESSION OF CA-CHANNEL ALPHA2DELTA SUBUNIT AND TRPM8 IN DORSAL ROOT GANGLION OF TWO NEUROPATHIC PAIN RAT MODELS</p> <p><b>Y.W. Lee</b>, D.W. Han, T.D. Kweon, J.B. Choi, Department of Anesthesiology and Pain Medicine, Anesthesia and Pain Research Institute, YUMC, Yongdong Severance Hospital, Seoul, South Korea</p>	354

## POSTER SESSION 2: MOLECULAR/CELLULAR STUDIES I & II (cont)

Board No		Abstract No
58	<p>CAPSAICIN INDUCED CELL DEATH IN PRIMARY CULTURED NEURONS <b>J.H. Lee</b>, J.H. Cho, Department of Neurology, National Health Insurance Corporation Ilsan Hospital, Koyang-Shi, SOUTH KOREA</p>	355
59	<p>EUGENOL INHIBITS VOLTAGE-GATED PATASSIUM CURRENTS IN TRIGEMINAL GANGLION NEURONS <b>H.Y. Li</b>, C.K. Park, J.S. Kim, S.B. Oh, Department of Physiology and Program in Molecular and Cellular Neuroscience, College of Dentistry and Dental Research Institute, Seoul National University, Seoul, South Korea</p>	356
60	<p>A COMPARATIVE GENE EXPRESSION STUDY IN METABOLIC AND TRAUMATIC MODELS OF PAINFUL PERIPHERAL NEUROPATHY <b>C. Liberati</b><sup>1</sup>, C. Gattuso<sup>1</sup>, M. Mattioli<sup>1</sup>, G. De Siena<sup>2</sup>, P. Tarroni<sup>1</sup>, <sup>1</sup>Axxam, San Raffaele Biomedical Science Park, Milan, <sup>2</sup>Department of Critical Care Medicine and Surgery, University of Florence, Italy</p>	357
61	<p>UP-REGULATION OF MICRORNA-16 IN THE DORSAL ROOT GANGLION AND SPINAL CORD DORSAL HORN FOLLOWING PERIPHERAL NERVE INJURY. R. Kusuda<sup>1</sup>, S. Zanon<sup>1</sup>, T. Amaral E Souza<sup>2</sup>, F. Cadetti<sup>3</sup>, N. Zanon-Baptista<sup>1</sup>, F.L. De Lucca<sup>2</sup>, <b>G. Lucas</b><sup>1,3</sup>, <sup>1</sup>Department of Physiology, <sup>2</sup>Department of Biochemistry and Immunology, <sup>3</sup>Department of Neurology, University of Sao Paulo, Faculty of Medicine of Ribeirao Preto, Brazil</p>	358
62	<p>ESTROGEN REDUCES THE HEAT-ACTIVATED VANILLOID RECEPTOR (TRPV1) CURRENT IN ADULT FEMALE RAT NOCICEPTIVE NEURONS S. Xu, Y. Cheng, J.R. Keast, <b>P.B. Osborne</b>, Pain Management Research Institute, The University of Sydney at the Royal North Shore Hospital, Sydney, NSW, Australia</p>	359

## POSTER SESSION 2: MOLECULAR/CELLULAR STUDIES I & II (cont)

Board No		Abstract No
63	<p>EXPRESSION OF OPIOID GENES IN NEUROPATHIC AND INFLAMMATORY PAIN J.R. Parkitna<sup>1</sup>, I. Obara<sup>2</sup>, M. Korostynski<sup>1</sup>, D. Kaminska<sup>1</sup>, W. Makuch<sup>2</sup>, B. Przewlocka<sup>2</sup>, <b>R. Przewlocki</b><sup>1</sup>, <sup>1</sup>Department of Molecular Neuropharmacology, <sup>2</sup>Department of Pain Pharmacology, Institute of Pharmacology PAS, Krakow, Poland</p>	360
64	<p>SHORT TERM EXPOSURE TO HYPOXIC/HYPERGLICEMIC CONDITIONS IS ASSOCIATED WITH FUNCTIONAL CHANGES OF TRPV1 CURRENTS <b>V.P. Ristoiu</b>, M.L. Flonta, Department of Animal Physiology and Biophysics, Faculty of Biology, University of Bucharest, Romania</p>	361
65	<p>STATE-DEPENDENT INHIBITORS OF THE NAV1.3 SODIUM CHANNEL FOR TREATING NEUROPATHIC PAIN <b>M. Rogers</b>, L. Tang, R. Davies, J. Wilson, S. Jones, J. Ford, D. Madge, Xention Ltd, Iconix Park, Pampisford, Cambridge, UK</p>	362
66	<p>INSULIN AND INSULIN-LIKE GROWTH FACTOR-I MODULATE THE ACTIVITY OF CAPSAICIN-SENSITIVE CULTURED DORSAL ROOT GANGLION NEURONS <b>P. Santha</b><sup>1,2</sup>, G. Jancso<sup>2</sup>, I. Nagy<sup>1</sup>, <sup>1</sup>Department of Anaesthesiology, Pain Medicine and Intensive Care, Imperial College London, UK, <sup>2</sup>Department of Physiology, University of Szeged, Hungary</p>	363
67	<p>T-TYPE CALCIUM CURRENT IS A MOLECULAR DETERMINANT OF EXCITATORY EFFECTS OF GABA IN ADULT SENSORY NEURONS <b>C. Hilaire</b><sup>2</sup>, H. Aptel<sup>1</sup>, S. Pieraut<sup>1</sup>, J. Valmier<sup>1</sup>, F. Scamps<sup>1</sup>, <sup>1</sup>Inserm, U 583, Montpellier, <sup>2</sup>Université De Franche Comté, Besançon, France</p>	364

## POSTER SESSION 2: MOLECULAR/CELLULAR STUDIES I & II (cont)

Board No		Abstract No
68	<p>NEUROPATHIC PAIN LEVELS FOLLOWING SURGICAL NERVE INJURY ARE CONTROLLED BY GENOTYPES AND HAPLOTYPES OF COMT - THE GENE ENCODING CATECHOLAMINE-O-METHYLTRANSFERASE</p> <p>Y. Lu<sup>1</sup>, I. Belfer<sup>2</sup>, E. Gershon<sup>3</sup>, J.-J. Vatine<sup>4</sup>, Y. Shir<sup>5</sup>, T. Jablonski-Peretz<sup>6</sup>, R.M. Pfeffer<sup>7</sup>, H. Hipp<sup>10</sup>, J. Livneh<sup>7</sup>, L. Sun<sup>8</sup>, R. Craiu<sup>9</sup>, D. Goldman<sup>10</sup>, M. Max<sup>2</sup>, <b>Z. Seltzer</b><sup>1</sup>, <sup>1</sup>Centre for the Study of Pain, University of Toronto, ON, Canada, <sup>2</sup>National Institute of Dental and Craniofacial Research, NIH, Bethesda, MD, USA, <sup>3</sup>Department of Psychology, Haifa University, <sup>4</sup>Rheut Medical Center, Tel Aviv, Israel, <sup>5</sup>McGill University Pain Clinic, Montreal, Quebec, Canada, <sup>6</sup>Sharett Institute, Hadassah University Hospital, Jerusalem, <sup>7</sup>Sheba Medical Center, Ramat Gan, Israel, <sup>8</sup>Public Health Sciences and Statistics, <sup>9</sup>Department of Statistics, University of Toronto, ON, Canada, <sup>10</sup>National Institute of Alcohol Abuse and Alcoholism, NIH, Bethesda, MD, USA</p>	365
69	<p>HTS ASSAY CONFIGURATION FOR CGMP-DEPENDENT PROTEIN KINASE I-ALPHA, A POSSIBLE DRUG TARGET IN PAIN THERAPY</p> <p><b>M.C. Sidoli</b>, P. Arioli, L. Redaelli, D. Caretoni, Axxam Spa/san Raffaele Biomedical Science Park, Milan, Italy</p>	366
70	<p>THIAMINE INHIBITS HYPEREXCITABILITY AND MODULATES SODIUM CURRENTS OF NOCICEPTIVE NEURONS IN RATS WITH GANGLION COMPRESSION</p> <p><b>X.J. Song</b>, Z.J. Huang, X.S. Song, Department of Neurobiology, Parker College Research Institute, Dallas, Texas, USA</p>	367
71	<p>DOES THE C-FOS ACTIVATION MEDIATE THE EXPANSION OF CORTICAL SOMATOSENSORY FIELDS IN PHANTOM PAIN?</p> <p><b>L. Stojiljkovic</b><sup>1</sup>, S. Glusman<sup>1</sup>, G. Voronov<sup>1</sup>, M. Sekosan<sup>2</sup>, J. Radulovic<sup>3</sup>, <sup>1</sup>Department of Anesthesiology and Pain Management, <sup>2</sup>Department of Pathology, John H Stroger Jr. Hospital of Cook County, <sup>3</sup>Department of Psychiatry and Behavioral Sciences, Northwestern University, Chicago, Illinois, USA</p>	368



# Saturday, June 9, 2007

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13:30 - 15:30

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**POSTER SESSION 2: MOLECULAR/CELLULAR  
STUDIES I & II (cont)**

Board No

Abstract No

72

TWO-PHOTON EXCITATION MICROSCOPY AS A RESEARCH TOOL IN THE ANALYSIS OF AXONAL TRANSPORT IN A MODEL OF NEUROPATHIC PAIN.

**S.R Van Eck**<sup>1,2</sup>, J.G. Veening<sup>2</sup>, R.F. De Jongh<sup>1</sup>, R.M. Nuydens<sup>1</sup>, J. Van Egmond<sup>3</sup>, K.C. Vissers<sup>3</sup>, T.F. Meert<sup>1</sup>, <sup>1</sup>Department CNS Pain & Neurology, Johnson & Johnson Pharmaceutical Research and Development, Beerse, Belgium, <sup>2</sup>Department of Anatomy, <sup>3</sup>Department of Anesthesiology, University Medical Center St Radboud, Nijmegen, The Netherlands

369

## POSTER SESSION 2: ANIMAL STUDIES – SYSTEMS

Board No		Abstract No
73	RECEPTIVE PROPERTIES OF LAMINA I SPINOPARABRACHIAL NEURONS FOLLOWING A CHRONIC CONSTRICTION INJURY. <b>D. Andrew</b> , Department. Oral & Maxillofacial Medicine and Surgery, School of Clinical Dentistry, Sheffield, South Yorkshire, UK	370
74	STRIATAL DOPAMINE D2 RECEPTORS ATTENUATE NEUROPATHIC HYPERSENSITIVITY IN THE RAT <b>O.B. Ansah</b> <sup>1</sup> , H. Leite-Almeida <sup>1,2</sup> , H. Wei <sup>1</sup> , A. Pertovaara <sup>1</sup> , <sup>1</sup> Institute of Biomedicine, Physiology, University of Helsinki, Finland, <sup>2</sup> Health and Life Sciences Research Institute (ICVS), School of Health Sciences, University of Minho, Braga, Portugal	371
75	CORRELATION BETWEEN PAIN-RELATED BEHAVIOUR AND SPINAL MICROGLIOSIS IN DISTINCT MODELS OF TRAUMATIC, HIV AND VARICELLA ZOSTER INDUCED NEUROPATHY. <b>J. Blackbeard</b> <sup>1</sup> , V.C. Wallace <sup>1</sup> , K.P. O'Dea <sup>1</sup> , F. Hasnie <sup>1</sup> , M.J. Field <sup>2</sup> , A.S.C. Rice <sup>1</sup> , <sup>1</sup> Pain Research Group, Imperial College London, <sup>2</sup> Translation Medicine, Pfizer, UK	372
76	NEUROPATHIC PAIN IS DECREASED IN A2A ADENOSINE RECEPTOR KNOCKOUT MICE <b>S.A. Bura</b> <sup>1</sup> , X. Nadal <sup>1</sup> , C. Ledent <sup>2</sup> , R. Maldonado <sup>1</sup> , O. Valverde <sup>1</sup> , <sup>1</sup> Laboratori De Neurofarmacologia, Departament De Ciencies Experimentals I De La Salut, Universitat Pompeu Fabra, Barcelona, Spain, <sup>2</sup> IRIBHM; Universite Libre De Bruxelles, Belgium	373
77	SPINAL CORD CHANGES IN RATS AFTER IMMOBILISATION <b>S.H. Butler</b> , M.S. Butler, H. Sharma, T. Gordh, Department of Anesthesiology & Intensive Care, Academic Hospital of Uppsala, Sweden	374
78	VINCRIStINE-INDUCED NEUROPATHIC PAIN IN RATS: SPINAL CHANGES OF 5HT2A RECEPTOR AND FOS EXPRESSION, AND MICROARRAY ANALYSIS K. Thibault <sup>1,2</sup> , S. Dubacq <sup>2</sup> , M.J. Brisorgueil <sup>1</sup> , J. Fischer <sup>1</sup> , S. Pezet <sup>2</sup> , <b>B. Calvino</b> <sup>2</sup> , M. Conrath <sup>1</sup> , <sup>1</sup> Neurobiologie Des Signaux Intercellulaires, CNRS, UMR 7101, Université Pierre Et Marie Curie, <sup>2</sup> CNRS UMR 7637, ESPCI, Paris Cedex, France	375

## POSTER SESSION 2: ANIMAL STUDIES - SYSTEMS (cont)

Board No		Abstract No
79	<p>OLIGONUCLEOTIDE IMT504 REDUCES NEUROPATHIC PAIN AFTER PERIPHERAL NERVE INJURY</p> <p><b>M.F. Coronel</b><sup>1</sup>, A. Hernando-Insua<sup>2</sup>, J. Rodriguez<sup>2</sup>, F. Elias<sup>2</sup>, J. Flo<sup>2</sup>, R. Lopez<sup>2</sup>, N.A. Chasseing<sup>3</sup>, J. Zorzopulos<sup>2</sup>, M.J. Villar<sup>1</sup>, A.D. Montaner<sup>2</sup>, <sup>1</sup>Facultad De Ciencias Biomedicas, Universidad Austral, <sup>2</sup>Immunotech S.A., Buenos Aires, Argentina, <sup>3</sup>Instituto De Biologia Y Medicina Experimental, Buenos Aires, Argentina</p>	376
80	<p>NEUROPATHIC PAIN AFTER ADULT RAT SCIATIC NERVE RESECTION</p> <p><b>R. Deumens</b><sup>1</sup>, R.J.P. Jaken<sup>1,2</sup>, M. van Kleef<sup>1</sup>, M.A. Marcus<sup>1</sup>, E.A.J. Joosten<sup>1</sup>, <sup>1</sup>Pain Management and Research Center, Department of Anesthesiology, Maastricht University Hospital, Maastricht, The Netherlands, <sup>2</sup>Department of Neurology, Aachen University Hospital, Aachen, Germany</p>	377
81	<p>STRESS-INDUCED ANALGESIA SHIFTS TO HYPERALGESIA IN ALPHA-2A RECEPTOR KNOCKOUT (KO) MICE</p> <p><b>J.E. Donello</b>, M. Tian, C.V. Cheevers, M. Alcantara, D.W. Gil, Department of Biological Sciences, Allergan, Inc., Irvine, CA, USA</p>	378
82	<p>DYSFUNCTION OF MENINGEAL CAPSAICIN-SENSITIVE AFFERENT NERVES IN A RAT MODEL OF DIABETIC NEUROPATHIC PAIN</p> <p><b>M. Dux</b>, J. Rosta, G. Jancso, Department of Physiology, University of Szeged, Hungary</p>	379
83	<p>LACOSAMIDE: OVERVIEW OF THE ANALGESIC EFFICACY IN ANIMAL MODELS OF PAIN</p> <p><b>J. Freitag</b>, B. Beyreuther, T. Stoehr, Department of Pharmacology &amp; Toxicology, Schwarz BioSciences, Monheim, Germany</p>	380
84	<p>DIFFERENTIAL PHARMACOLOGY OF TRPV1 ANTAGONISTS DETERMINES THE MAGNITUDE OF BODY TEMPERATURE CHANGES IN RATS</p> <p>S.G. Lehto<sup>1</sup>, R Tamir<sup>1</sup>, D. Zhu<sup>1</sup>, A. Le<sup>1</sup>, B. Youngblood<sup>1</sup>, D. Immke<sup>1</sup>, M.H. Norman<sup>2</sup>, E. Magal<sup>1</sup>, J-C. Louis<sup>1</sup>, J.J. Treanor<sup>1</sup>, <b>N.R. Gavva</b><sup>1</sup>, <sup>1</sup>Department of Neuroscience, <sup>2</sup>Department of Small Molecule Chemistry, Amgen, Inc. Thousand Oaks, CA, USA</p>	381

## POSTER SESSION 2: ANIMAL STUDIES - SYSTEMS (cont)

Board No		Abstract No
85	<p>ASSESSMENT OF NEUROPATHIC PAIN AND LOCOMOTOR DEFICITS USING THE CATWALK GAIT ANALYSIS</p> <p><b>R.J.P. Jaken</b><sup>1,2</sup>, A.F. Gabriel<sup>1</sup>, G.C. Koopmans<sup>3</sup>, M.A. Marcus<sup>1</sup>, E.A.J. Joosten<sup>1</sup>, R. Deumens<sup>1</sup>, <sup>1</sup>Pain Management and Research Center, Department of Anesthesiology, Maastricht University Hospital, The Netherlands, <sup>2</sup>Department of Neurology, Aachen University Hospital, <sup>3</sup>Neuraxo Biopharmaceuticals GmbH, Erkrath, Germany</p>	382
86	<p>PERINEURAL CAPSAICIN AND RESINIFERATOXIN INDUCE SELECTIVE REGIONAL ANALGESIA AND PHENOTYPIC SWITCH OF PRIMARY SENSORY NEURONS EXPRESSING TRPV1</p> <p><b>G. Jancsó</b><sup>1</sup>, P. Santha<sup>1</sup>, O. Oszlacs<sup>1</sup>, T. Nyari<sup>2</sup>, <sup>1</sup>Department of Physiology, <sup>2</sup>Department of Medical Informatics, University of Szeged, Hungary</p>	383
87	<p>NERVE INJURY TRIGGERS GLIAL ADAPTATION IN THE PERIAQUEDUCTAL GRAY (PAG) OF RATS WITH DISABILITY AND PAIN, BUT NOT PAIN ALONE.</p> <p><b>K.A. Keay</b>, D. Mor, School of Medical Sciences (Anatomy &amp; Histology), University of Sydney, NSW, Australia</p>	384
88	<p>SPONTANEOUS PAIN FOLLOWING NERVE INJURY IS ATTENUATED IN THE NAV1.8 NULL MOUSE.</p> <p><b>S. Kelly</b><sup>1</sup>, S. Pype<sup>2</sup>, S. Lawson<sup>1</sup>, <sup>1</sup>Department of Physiology, University of Bristol, UK, <sup>2</sup>CNS/Pain and Neurology, Johnson and Johnson Pharmaceutical Research and Development, Beerse, Belgium</p>	385
89	<p>INVESTIGATION OF STRESS INDUCED ANALGESIA ALONE OR TOGETHER WITH CCK RECEPTORS AGONIST AND ANTAGONIST IN NEUROPATHIC PAIN IN MICE</p> <p><b>A. Mesdaghinia</b><sup>1</sup>, F. Samiee<sup>2</sup>, <sup>1</sup>Department of Physiology and Pharmacology, School of Medicine, Kashan University of Medical Sciences, Kashan, <sup>2</sup>Research Center, Azad University, Tehran, Iran</p>	386

## POSTER SESSION 2: ANIMAL STUDIES - SYSTEMS (cont)

Board No		Abstract No
90	<p>MINOCYCLINE AND PENTOXIFYLLINE ATTENUATE ALLODYNIA AND HYPERALGESIA AND POTENTIATE THE EFFECTS OF MORPHINE IN ANIMAL MODELS OF NEUROPATHIC PAIN</p> <p><b>J. Mika</b>, M. Osikowicz, W. Makuch, B. Przewlocka, Department of Pain Pharmacology, Institute of Pharmacology, Polish Academy of Sciences, Cracow, Poland</p>	387
91	<p>DIABETIC NEUROPATHY IS ASSOCIATED TO INCREASED NEURONAL ACTIVITY AT THE SPINAL DORSAL HORN: A TIME-COURSE STUDY OF C-FOS EXPRESSION</p> <p><b>C. Morgado</b><sup>1,2</sup>, I. Tavares<sup>1,2</sup>, <sup>1</sup>Institute of Histology and Embryology, Faculty of Medicine of Oporto, <sup>2</sup>IBMC, University of Oporto, Portugal</p>	388
92	<p>INTRAPERITONEAL ADMINISTRATION OF ASCORBIC ACID ATTENUATE HYPERALGESIA IN A RAT MODEL OF NEUROPATHIC PAIN</p> <p><b>F. Nasirinezhad</b>, S. Safarpour, Department of Physiology, Iran University of Medical Sciences, Tehran, Iran</p>	389
93	<p>A DOPAMINE D2 PARTIAL AGONIST, ARIPIPIRAZOLE, DIMINISHES NOCICEPTION IN A NEUROPATHIC PAIN MODEL IN THE RAT.</p> <p>F. Pellicer<sup>1</sup>, A. Lopez-Avila<sup>1,2</sup>, U. Coffeen<sup>1</sup>, <b>J.M. Ortega-Legaspi</b><sup>1,3</sup>, R. Del Angel<sup>1</sup>, O. Jaimes<sup>1</sup>, <sup>1</sup>Laboratorio De Fisiologia Integrativa, Direccion De Investigaciones En Neurociencias, Instituto Nacional De Psiquiatria Ramon De La Fuente, <sup>2</sup>Division De Ciencias Biologicas Y De La Salud, Universidad Autonoma Metropolitana, Xochimilco, <sup>3</sup>Facultad De Medicina, Universidad Nacional Autonoma De Mexico, Mexico D.F.</p>	390
94	<p>EFFECTS OF THE MGLUR5 ANTAGONIST MPEP AND THE MGLUR7 AGONIST AMN082 ON ALLODYNIA, HYPERSENSITIVITY AND MORPHINE ANALGESIA IN NEUROPATHIC PAIN.</p> <p><b>M. Osikowicz</b>, J. Mika, B. Przewlocka, Department of Pain Pharmacology, Institute of Pharmacology, PAS, Cracow, Poland</p>	391

## POSTER SESSION 2: ANIMAL STUDIES - SYSTEMS (cont)

Board No		Abstract No
95	<p>A SELECTIVE ESTROGEN RECEPTOR BETA AGONIST MODULATES NEUROPATHIC AND INFLAMMATORY PAIN STATES</p> <p><b>F. Piu</b><sup>1</sup>, L. Hyltoft<sup>2</sup>, L.R. Gardell<sup>1</sup>, C Cheevers<sup>3</sup>, A.L. DelTredici<sup>1</sup>, C.B. Andersen<sup>1</sup>, L.C. Fairbain<sup>1</sup>, B.W. Lund<sup>2</sup>, M. Gustafsson<sup>2</sup>, D. Gil<sup>3</sup>, D.W. Bonhaus<sup>1</sup>, R. Olsson<sup>2</sup>, <sup>1</sup>ACADIA Pharmaceuticals Inc, San Diego, CA, USA, <sup>2</sup>ACADIA Pharmaceuticals AB, Malmo, Sweden, <sup>3</sup>Allergan Inc, Irvine, CA, USA</p>	392
96	<p>SYNERGISTIC EFFECTS BETWEEN THE INVESTIGATIONAL ANALGESIC LACOSAMIDE AND OTHER ANALGESIC DRUGS IN THE RAT FORMALIN TEST</p> <p>J. Freitag<sup>1</sup>, B. Beyreuther<sup>1</sup>, <b>U. Rabus</b><sup>2</sup>, T. Stoehr<sup>1</sup>, <sup>1</sup>Department of Pharmacology &amp; Toxicology, <sup>2</sup>Schwarz Pharma, Monheim, Germany</p>	393
97	<p>EFFECTS OF BBB EFFLUX ACTIVATION ON CNS ACTIONS OF PHENOBARBITAL IN SWISS WEBSTER MICE</p> <p>D. Yeomans<sup>1</sup>, <b>W. Robbins</b><sup>1,2</sup>, V. Lee<sup>2</sup>, <sup>1</sup>Anesthesiology, Stanford University, Palo Alto, <sup>2</sup>Limerick NeuroSciences, South San Francisco, CA, USA</p>	394
98	<p>LOCAL PERIPHERAL ANTINOCICEPTIVE EFFECT OF VENLAFAXINE ON RAT FORMALIN TEST</p> <p><b>G. Sezer</b><sup>1,2</sup>, Y. Tekol<sup>2</sup>, Z. Sezer<sup>2</sup>, H. Gul<sup>3</sup>, I.T Uzbay<sup>3</sup>, <sup>1</sup>Department of Pharmacology, Faculty of Pharmacy, Erciyes University, Kayseri, Turkey, <sup>2</sup>Department of Pharmacology, School of Medicine, Erciyes University, Kayseri, <sup>3</sup>Department of Pharmacology, School of Medicine, Gulhane Military Medical Academy, Ankara, Turkey</p>	395
99	<p>DOWNREGULATION OF M4 BUT NOT M2 MUSCARINIC RECEPTORS IN DORSAL HORN AFTER PERIPHERAL NERVE INJURY RELATES TO RESPONSIVENESS TO SCS</p> <p><b>Z.Y. Song</b>, C. Ultenius, G. Schechtmann, B.A. Meyerson, B. Linderroth, Department of Clinical Neuroscience, Section of Neurosurgery, Karolinska Institute, Stockholm, Sweden</p>	396

## POSTER SESSION 2: ANIMAL STUDIES - SYSTEMS (cont)

Board No		Abstract No
100	<p>EFFECTS OF TRAUMATIC AND SELECTIVE CHEMICAL LESIONS OF PERIPHERAL NERVES ON TRPV1 RECEPTOR EXPRESSION: IMPLICATIONS FOR VANILLOID-INDUCED ANALGESIA</p> <p><b>C. Szigeti</b><sup>1</sup>, E. Kortvely<sup>1</sup>, P. Santha<sup>2</sup>, T. Nyari<sup>3</sup>, K. Gulya<sup>1</sup>, G. Jancso<sup>2</sup>, <sup>1</sup>Department of Zoology and Cell Biology, <sup>2</sup>Department of Physiology, <sup>3</sup>Department of Medical Informatics, University of Szeged, Hungary</p>	397
101	<p>IS UP-REGULATION OF NEUROSTEROID SYNTHESIS IMPORTANT FOR THE MAINTENANCE OF NEUROPATHIC PAIN?</p> <p><b>T. Tanabe</b>, D. Kondo, R. Yabe, I. Takasaki, T. Kurihara, H. Saegusa, S. Zong, Department Pharmacology &amp; Neurobiology, Graduate School of Medicine, Tokyo Medicine &amp; Dent University, Japan</p>	398
102	<p>EARLY CYTOKINE EXPRESSION IN MOUSE SCIATIC NERVE AFTER CHRONIC CONSTRICTION NERVE INJURY DEPENDS ON CALPAIN</p> <p><b>N. Uceyler</b>, A. Tschärke, C. Sommer, Department of Neurology, University of Würzburg, Germany</p>	399
103	<p>DIRECT INHIBITORY EFFECTS OF GABAPENTIN ON SPINAL MECHANOSENSORY NEURONS FOLLOWING PERIPHERAL NEUROPATHY IN THE RAT</p> <p>K-C. Choong, A. Liang, <b>M.O. Urban</b>, Pain Research, Merck Research Laboratories, West Point, PA, USA</p>	400
104	<p>PERINEURAL HIV-1 GP120 IS ASSOCIATED WITH REDUCED INTRAEPIDERMAL NERVE FIBRE DENSITY AND ALTERED SENSORY NEURONE PHENOTYPE</p> <p><b>V.C.J. Wallace</b><sup>1</sup>, A.R. Segerdahl<sup>1</sup>, J. Blackbeard<sup>1</sup>, S.B. McMahon<sup>2</sup>, A.S.C. Rice<sup>1</sup>, <sup>1</sup>Pain Research Group, Imperial College London, <sup>2</sup>Neurorestoration Group, Kings College London, UK</p>	401
105	<p>DYNAMIC RESPONSES OF DEEP SPINAL DORSAL HORN NOCICEPTIVE-SPECIFIC NEURONS TO PERSISTENT NOCICEPTION</p> <p><b>H.J. You</b><sup>1,3</sup>, F.C. Colpaert<sup>2</sup>, L. Arendt-Nielsen<sup>1</sup>, <sup>1</sup>Center for Sensory-Motor Interaction (SMI), Denmark, <sup>2</sup>Centre De Recherche Pierre Fabre, Castres Cedex, France, <sup>3</sup>Department of Physiology and Pathophysiology, Xi'an Jiaotong University School of Medicine, Xi'an, P.R. China</p>	402

# Saturday, June 9, 2007

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13:30 - 15:30

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**POSTER SESSION 2: ANIMAL STUDIES - SYSTEMS  
(cont)**

Board No		Abstract No
106	EFFECTS OF A NOVEL P2X3/P2X2/3 ANTAGONIST RO-4 ON COLD AND MECHANICAL ALLODYNIA IN TWO RAT NEUROPATHIC PAIN MODELS <b>Q-M. Zhu</b> , P.A. Nunn, D.Q. Hu, M.F. Jett, D.A. Cockayne, M.P. Dillon, A.P.D.W. Ford, Roche Palo Alto LLC, Palo Alto, California, USA	403



## POSTER SESSION 2: CLINICAL - OTHER TREATMENTS

Board No		Abstract No
107	NEUROLITIC EPIDURAL BLOCK WITH 5% PHENOL IN CANCER PATIENTS <b>A.R. Bameshki</b> , S. Jahanbakhsh, Department of Anesthesia , Imam Reza Hospital, Mashhad, Khorasan, Iran	404
108	LONG-TERM RESULTS OF THE MICROSURGICAL DREZ-TOMY FOR NEUROPATHIC PAIN DUE TO BRACHIAL PLEXUS AVULSION : CLINICAL LEARNING ABOUT PAIN MECHANISM. <b>E. Blondet</b> <sup>1</sup> , M. Sindou <sup>2</sup> , <sup>1</sup> Department of Neurosurgery, HIA Percy, Clamart, <sup>2</sup> Department of Neurosurgery, Hopital P. Wertheimer, Lyon, France	405
109	PRECISION RECHARGEABLE SPINAL CORD STIMULATION (SCS) SYSTEM: PROGRAMMING PARAMETERS AND BATTERY LONGEVITY <b>K. Bradley</b> , A.C. Khodavirdi, Boston Scientific Neuromodulation, Valencia, CA, USA	406
110	SYMPATHETIC BLOCK TREATMENT FOR RSD IN CHILDREN <b>J.M. Currie</b> , Royal Hospital for Sick Children, Yorkhill, Glasgow, UK	407
111	NERVE BLOCKS CAN INTERRUPT AXONAL REFLEX AND AVOID PERSISTENT PAIN TO TRASLANTE INTO CHRONIC AND NEUROPHATIC PAIN <b>L. Di Lorenzo</b> <sup>1</sup> , C. Di Maria <sup>2</sup> , A.M. Forte <sup>1</sup> , C. Trombetti <sup>1</sup> , A. Bello <sup>1</sup> , V. Palmieri <sup>2</sup> , V. Saviano <sup>1</sup> , E. Di Blasio <sup>2</sup> , <sup>1</sup> Rehabilitation Unit Ospedale RUMMO Benevento, <sup>2</sup> Anaesthesia Department and Pain Unit Bospedale Benevento, Italy	408
112	MINIMALLY INVASIVE EPIDURAL STIMULATION UNDER LOCAL ANAESTHESIA IN THE TREATMENT OF NEUROPATHIC PAIN <b>M.C. Djian</b> , G. Abi Lahoud, P Page, F.X. Roux, Pain Unit & Neurosurgery Department, L'hôpital Sainte Anne, Paris, France	409
113	SPINAL FLEXOMETER: MEASUREMENTS THAT POTENTIALLY REFLECT CHANGES IN PAIN <b>S.G. Eidelson</b> , J.C. Wilkerson, J. Fleming, S. Eidelson, Research, SYA Press and Research Institute, Bethesda Memorial Hospital, Boynton Beach, FL, USA	410

## POSTER SESSION 2: CLINICAL - OTHER TREATMENTS (cont)

Board No		Abstract No
114	HEALTH-RELATED QUALITY OF LIFE IN CHRONIC NEUROPATHIC PAIN PATIENTS: RESULTS OF THE PROCESS STUDY <b>S. Eldabe</b> , Department of Pain & Anaesthesia, James Cook University Hospital, Middlesbrough, UK	411
115	DYSAESTHESIC PAIN AND BURNING SKIN SENSATIONS AS ADVERSE EFFECTS TO SPINAL CORD STIMULATOR IMPLANTATION FOR TREATMENT OF ANGINA PECTORIS <b>T.P. Enggaard</b> , C. Scherer, C. Andersen, ESES Unit, Odense University Hospital, Denmark	412
116	MOTOR CORTEX STIMULATION FOR COMPLEX REGIONAL PAIN SYNDROME (CRPS TYPE I) RESULTS IN PAIN RELIEF AND FUNCTIONAL RECOVERY <b>E.T. Fonoff</b> <sup>1</sup> , M.J. Teixeira <sup>1</sup> , T.Y. Lin <sup>1</sup> , M.A. Marcolin <sup>2</sup> , <sup>1</sup> Department of Neurology, Division of Functional Neurosurgery of Institute of Psychiatry, University of São Paulo Medical School, <sup>2</sup> Institute of Psychiatry, São Paulo, Brazil	413
117	THE UTILITY OF ZERO-VOLT BATTERY TECHNOLOGY WHEN BATTERY CHARGE IS DEPLETED <b>A. Foster</b> <sup>1</sup> , G. Arcos <sup>2</sup> , S. Kramarich <sup>3</sup> , <sup>1</sup> Boston Scientific Neuromodulation, Valencia, CA, <sup>2</sup> Pain Institute of North Florida, Tallahassee, <sup>3</sup> Riverside Spine and Pain Physicians, Jacksonville, FL, USA	414
118	NEUROPATHIC PAIN IN DENTISTRY: THREE CASE REPORTS <b>M.R. Fussnegger</b> , Department of Restorative Dentistry, Center for Dental and Craniofacial Sciences, Charite Campus Benjamin Franklin, Berlin, Germany	415
119	PAIN SYNDROME TREATMENT IN VERTEBROGEN RADICULOPATHY WITH VERY HIGH FREQUENCY MILLIMETRIC WAVES <b>M.T. Ganea</b> , S.A. Groppa, A. Hangan, S. Scripcaru, Department Neurology, State Medical and Pharmaceutical University, Chisinau, Moldova	416

## POSTER SESSION 2: CLINICAL - OTHER TREATMENTS (cont)

Board No		Abstract No
120	<p>PAIN MANAGEMENT OF LOW BACK PAIN IN A DISTRICT HOSPITAL <b>E. Kapota</b><sup>1</sup>, C. Savvidou<sup>2</sup>, I. Serpetinis<sup>1</sup>, I. Lykoudi<sup>1</sup>, L. Baltatzi<sup>1</sup>, A. Kouta<sup>1</sup>, <sup>1</sup>Anesthesiology Department, <sup>2</sup>2nd Orthopaedic Department, University of Athens, Konstadopouleio General Hospital of Nea Ionia, Athens, Greece</p>	417
121	<p>SUCCESSFUL CONTROL OF BACK AND LEG PAIN WITH A NEXT GENERATION SPINAL CORD STIMULATION (SCS) DEVICE FOLLOWING INITIAL TREATMENT FAILURE <b>A.C. Khodavirdi</b><sup>1</sup>, J.M. Epstein<sup>2</sup>, S.B. Khan<sup>3</sup>, R.M. Rosenthal<sup>4</sup>, A. Foster<sup>1</sup>, <sup>1</sup>Boston Scientific Neuromodulation, Valencia, CA, <sup>2</sup>Comprehensive Pain Care, Babylon, NY, <sup>3</sup>Health Care Center of Tampa, Inc. Offices, Lakeland, FL, <sup>4</sup>Nexus Pain Care, Provo, UT, USA</p>	418
122	<p>EFFECT OF MONOCHROMATIC NEAR INFRARED ENERGY ON NEUROPATHY, PLANTAR PRESSURE DISTRIBUTION AND BALANCE IN PATIENTS WITH DIABETIC NEUROPATHY <b>S.P Madani</b><sup>1,2</sup>, N. Lessan<sup>2</sup>, M. Akbari<sup>3</sup>, S. Amirimoghaddam<sup>2</sup>, R. Heshmat<sup>2</sup>, B. Larijani<sup>2</sup>, <sup>1</sup>Physical Medicine and Rehabilitation, Iran University of Medical Sciences, Shafayahyaian Rehabilitation Hospital, <sup>2</sup>Endocrine and Metabolism Research Center, Tehran University of Medical Sciences, Doctor Shariati Hospital, <sup>3</sup>Physical Therapy Department, Iran University of Medical Sciences, Rehabilitation Faculty, Tehran, Iran</p>	419
123	<p>DEVELOPMENT AND IMPLEMENTATION OF AN INTERDISCIPLINARY PAIN COURSE <b>E.L. Manning</b><sup>1</sup>, H. Martin<sup>2</sup>, J. Baisden<sup>1</sup>, A. Smith<sup>2</sup>, <sup>1</sup>Medical College of Wisconsin, Froedtert Hospital, Milwaukee, WI, <sup>2</sup>Medical University of South Carolina, MUSC Hospital, Charleston, SC, USA</p>	420
124	<p>EFFECTS OF SLOW REPETITIVE TRANSCRANIAL MAGNETIC STIMULATION (TMS) ON COMPLEX REGIONAL PAIN SYNDROME (CRPS) <b>N.C. Moore</b>, P. MacMillan, M. Cooper, Department Psychiatry, Quillen College Medicine, East Tennessee State University, Johnson City, TN, USA</p>	421
125	<p>PULSED RADIOFREQUENCY TREATMENT (PRF) WITH PASHA CATH IN NEUROPATHIC PAIN <b>A. Orlando</b>, G. Sindaco, L. Ravaioli, L. Follini, G. Pari., Medicina Del Dolore, Forli, Italy</p>	422

## POSTER SESSION 2: CLINICAL - OTHER TREATMENTS (cont)

Board No		Abstract No
126	<p>MULTICENTRIC TRIAL FOR THE ASSESSMENT OF ANALGESIC EFFECTIVENESS OF PULSED RADIOFREQUENCY TREATMENT (PRF) WITH PASHA CATH IN LUMBOSACRAL MONORADICULOPATHY</p> <p><b>G. Pari</b>, L. Follini, G. Orlandini, A. Orlando, G. Sindaco, Medicina Del Dolore, Forli, Italy</p>	423
127	<p>REPETITIVE TRANSCRANIAL MAGNETIC STIMULATION OVER THE MOTOR CORTEX CAN CHANGE THE PAIN PERCEPTION IN PATIENTS WITH COMPLEX REGIONAL PAIN SYNDROME.</p> <p><b>H. Picarelli</b><sup>1</sup>, M.J. Teixeira<sup>1</sup>, M.A. Marcolin<sup>2</sup>, M.L. Myczkowski<sup>2</sup>, T.B. Luvisotto<sup>2</sup>, <sup>1</sup>Clinic of Pain and Department of Neurosurgery, <sup>2</sup>Laboratory of Transcranial Magnetic Stimulation of the Department of Psychiatry, University of São Paulo, Brazil</p>	424
128	<p>CLINICAL EXPERIENCE WITH A NEW RECHARGEABLE STIMULATION DEVICE FOR SPINAL CORD STIMULATION – A TWO YEARS FOLLOW-UP</p> <p><b>D. Rasche</b>, D. Klase, V.M. Tronnier, Department of Neurosurgery, University Hospital of Schleswig-Holstein, Campus Lübeck, Germany</p>	425
129	<p>USE OF METHADONE FOR PAIN TREATMENT AND PROLONGED SEDATION IN CRITICALLY ILL PATIENTS.</p> <p><b>D. Robert</b><sup>1</sup>, B. Dekeyser<sup>3</sup>, H. Demey<sup>1</sup>, M. Van Utterbeeck<sup>1</sup>, G. Hans<sup>2</sup>, <sup>1</sup>Department of Intensive Care, Antwerp University Hospital, Edegem, Belgium, <sup>2</sup>Multidisciplinary Pain Center, Antwerp University Hospital, <sup>3</sup>Department of Anesthesia, Antwerp University Hospital, Edegem, Belgium</p>	426
130	<p>ONE OF THE CAUSES OF BUTTOCK AND NUMBNESS OF LOWER EXTRIMITIES</p> <p><b>K. Sato</b><sup>1</sup>, R. Mito<sup>1</sup>, S. Sato<sup>1</sup>, Y. Kumada<sup>2</sup>, K. Sato<sup>2</sup>, T. Kawamura<sup>2</sup>, <sup>1</sup>Itami-Center, North Fukushima Medical Center, Date-City, Fukushima-Pref, <sup>2</sup>Anesthesiology, National Hospital Organization Sendai Medical Center, Sendai-City, Miyagi-Pref, Japan</p>	427

## POSTER SESSION 2: CLINICAL - OTHER TREATMENTS (cont)

Board No		Abstract No
131	<p>DOES TENS HAVE AN EFFECT ON NEUROPATHIC PAIN? A PILOT STUDY IN MS. <b>F. Schyns</b><sup>1</sup>, F. Coutts<sup>2</sup>, <sup>1</sup>Revive Scotland - MS Therapy Centre, Glasgow, <sup>2</sup>Physiotherapy Department, Faculty of Health and Social Sciences, Queen Margaret University College, Edinburgh, UK</p>	428
132	<p>DREZ OPERATION IN BRACHIAL PLEXUS PAIN. LONG TERM RESULTS <b>B. Silhouette</b>, A. Margot-Duclot, H. Andrianasolo, L. Sitzmann, J.B. Thiebaut, Neurochirurgie-UTD, Fondation Rothschild, Paris, France</p>	429
133	<p>EPIDURAL ADHESIOLYSIS AND PULSED RADIOFREQUENCY TREATMENT (PRF) WITH PASHA CATH VS ADHESIOLYSIS WITH RACZ CATHETER. <b>G. Sindaco</b>, A. Orlando, L. Ravaioli, L. Follini, G. Pari, Medicina Del Dolore Srl, Forli, Italy</p>	430
134	<p>SPINAL CORD STIMULATION IN ALLODYNIC SPINAL CORD INJURY (SCI) PAIN <b>L. Sitzmann</b>, B. Silhouette, A. Margot-Duclot, H. Andrianasolo, J.B. Thiebaut, Neurochirurgie-UTD, Fondation Rothschild, Paris, France</p>	431
135	<p>CHRONIC MANAGEMENT OF TOTAL IMPLANTABLE PUMPS FOR PAIN TREATMENT. REVIEW OF PERSONAL EXPERIENCE AND OBSERVATIONS. <b>N. Stefani</b><sup>1</sup>, G. Rea<sup>2</sup>, D. Mangeruga<sup>3</sup>, P.V. Nardi<sup>4</sup>, <sup>1</sup>Neurochirurgia, Policlinico Casilino, Rome, Italy</p>	432
136	<p>COST EFFECTIVENESS OF SPINAL CORD STIMULATION FOR NEUROPATHIC PAIN: A EUROPEAN SURVEY ON QUALITY OF LIFE AND HEALTHCARE RESOURCE UTILISATION <b>R.S. Taylor</b><sup>1</sup>, R.J. Taylor<sup>2</sup>, <sup>1</sup>Peninsula Medical School, Universities of Exeter &amp; Plymouth, <sup>2</sup>Health Economics Facility, University of Birmingham, UK</p>	433
137	<p>PREDICTION OF RESULTS OF MOTOR CORTEX STIMULATION IN TREATMENT OF BRACHIAL PLEXUS AVULSION PAIN BY TRANSCRANIAL MAGNETIC STIMULATION <b>M.J. Teixeira</b><sup>1</sup>, E.T. Fonoff<sup>1</sup>, F. Macri<sup>1</sup>, H. Picarelli<sup>1</sup>, T.Y. Lin<sup>1</sup>, M.A. Marcolin<sup>2</sup>, <sup>1</sup>Department of Neurology, Division of Functional Neurosurgery of Institute of Psychiatry, <sup>2</sup>Institute of Psychiatry. University of São Paulo Medical School, Brazil</p>	434

## POSTER SESSION 2: CLINICAL - OTHER TREATMENTS (cont)

Board No		Abstract No
138	<p>TOPICAL ESSENTIAL OILS FOR FIBROMYALGIA NEUROPATHIC PAIN: A RANDOMIZED CONTROLLED TRIAL</p> <p><b>G. Traitses</b><sup>1</sup>, A. Hum<sup>1</sup>, G.D. Ko<sup>1,2</sup>, D. Berbrayer<sup>2</sup>, <sup>1</sup>Canadian Centre for Integrative Medicine, Markham, <sup>2</sup>Department Rehabilitation Medicine, University of Toronto, Sunnybrook Health Sciences Centre, Ontario, Canada</p>	435
139	<p>APPLICATION OF STELLATE GANGLION BLOCK FOR THE TREATMENT OF NEUROPATHIC HEAD, NECK, ARM AND CHEST PAIN</p> <p><b>A. Vaitkus</b>, The In-Patient Day Department of Pain Treatment, Vilnius University Hospital Santariskiu Klinikos, Lithuania</p>	436
140	<p>PROSPECTIVE OUTCOMES STUDY ON THE RESTORE® RECHARGEABLE NEUROSTIMULATION SYSTEM FOR NEUROPATHIC PAIN: A MULTI-CENTER STUDY</p> <p><b>J-P. Van Buyten</b><sup>1</sup>, Y. Lazorthes<sup>2</sup>, G.H. Spincemaille<sup>3</sup>, V. Tronnier<sup>4</sup>, G. Beute<sup>5</sup>, J.J. Pallares<sup>6</sup>, H. Naous<sup>7</sup>, F. Zucco<sup>8</sup>, J.K. Krauss<sup>9</sup>, J.A. De Andres<sup>10</sup>, <sup>1</sup>Pijnkliniek, AZ Maria Middelaes, Sint-Niklaas, Belgium, <sup>2</sup>Neurochirurgie, CHU Rangueil, Toulouse, France, <sup>3</sup>Neurochirurgie, Academisch Ziekenhuis Maastricht, The Netherlands, <sup>4</sup>Neurochirurgie, Universitatsklinik Schleswig-Holstein Campus Lubeck, Germany, <sup>5</sup>Neurochirurgie, St Elisabeth Ziekenhuis, Tilburg, The Netherlands, <sup>6</sup>Pabellon De Rehabilitacion Unidad Del Dolor, Hospital Universitario La Fe, Valencia, Spain, <sup>7</sup>Neurochirurgie, Hopital Neurologique Et Neurochirurgical Pierre Wertheimer, Lyon, France, <sup>8</sup>Unita Cure Palliative E Terapia Del Dolore, Az. Ospedale Garbagnate, Italy, <sup>9</sup>Neurochirurgie, Medizinische Hochschule Hannover, Germany, <sup>10</sup>Unidad Del Dolor, Hospital General De Valencia, Spain</p>	437
141	<p>PULSED RADIOFREQUENCY (PRF) FOR THE TREATMENT OF OCCIPITAL NEURALGIA: A CLINICAL AUDIT.</p> <p><b>P. Vanelderden</b>, M. Puylaert, P. De Vooght, J. Sterken, R. Heylen, J. Van Zundert, Department of Anaesthesiology, Intensive Care Medicine and Multidisciplinary Pain Centre, Ziekenhuis Oost Limburg, Genk, Limburg, Belgium</p>	438

**POSTER SESSION 2: CLINICAL - OTHER  
TREATMENTS (cont)**

Board No		Abstract No
142	<b>TENS IN NEUROPATHIC AND NOCICEPTIVE PAIN</b> <b>T Vemmer</b> , Pain Clinic, Wolfson Rehabilitation Centre, St George's Hospital NHS Trust, London, UK	439
143	<b>OPIOIDS AND THEIRS POSITION IN THE TREATMENT FAILED BACK SURGERY SYNDROME</b> <b>I. Vrba</b> <sup>1</sup> , J. Kozák <sup>2</sup> , I. Stetkárová <sup>3</sup> , <sup>1</sup> ICU Hospital Na Homolce, <sup>2</sup> CVLB Faculty Hospital Motol, <sup>3</sup> Department of Neurology Hospital Na Homolce, Praha, Czech Republic	440
144	<b>WIDE-DYNAMIC RANGE NEURONS SENSITIZATION AND SPINAL MANIPULATIVE THERAPY: A RATIONALE FOR OSTEOPATHIC MANAGEMENT OF NEUROPATHIC PAIN?</b> <b>R. Zegarra-Parodi</b> , Directeur Du Département Recherche Du CEESO, Paris, France	442
145	<b>INVOLVEMENT OF SPINAL ASTROCYTES AND GLUTAMATE TRANSPORT GLT-1 IN PROCESSING TETANICALLY SCIATIC STIMULATION-INDUCED MECHANICAL ALLODYNIA IN RAT</b> Z-Y. Wang, N. Lu, Y-Q. Zhang, <b>Z-Q. Zhao</b> , Pain Research Unit, Institute of Neurobiology, Institutes of Brain Science, Fudan University, Shanghai, China	443

## POSTER SESSION 2: HUMAN STUDIES

Board No		Abstract No
146	<p>NEUROPHYSIOLOGICAL CHARACTERIZATION OF POSTHERNIORRHAPHY PAIN <b>E.K. Aasvang</b><sup>1,2</sup>, B Brandsborg<sup>3</sup>, B Christensen<sup>3</sup>, T.S. Jensen<sup>3,4</sup>, H Kehlet<sup>1</sup>, <sup>1</sup>Section of Surgical Pathophysiology, The Juliane Marie Centre, <sup>2</sup>Department of Anaesthesia, Centre of Head and Orthopedics, Rigshospitalet, Copenhagen, <sup>3</sup>Danish Pain Research Center, <sup>4</sup>Department of Neurology, Aarhus University Hospital, Denmark</p>	444
147	<p>TEMPORAL SUMMATION OF PAIN - REPRODUCIBILITY IN NORMAL VOLUNTEERS <b>A. Bet</b>, J. Acosta-Guillen, R. Lecybyl, M. Hanna, Pain Clinical Research Hub, King's College Hospital, King's College London, UK</p>	445
148	<p>A PROSPECTIVE STUDY OF PAIN AFTER HYSTERECTOMY IN WOMEN WITH BENIGN UTERINE DISORDERS <b>B. Brandsborg</b><sup>1</sup>, M. Dueholm<sup>2</sup>, L. Nikolajsen<sup>1</sup>, L. de Lasson<sup>3</sup>, H. Kehlet<sup>4</sup>, T.S. Jensen<sup>1</sup>, <sup>1</sup>Danish Pain Research Center, <sup>2</sup>Department of Obstetrics and Gynecology, <sup>3</sup>Department of Anesthesiology, Aarhus University Hospital, <sup>4</sup>Section of Surgical Pathophysiology, Rigshospitalet, Copenhagen, Denmark</p>	446
149	<p>HYPERALGESIC AND ALLODYNIC EFFECTS OF NOCEBO SUGGESTIONS <b>L. Colloca</b>, S. Vighetti, M. Sigauo, F. Benedetti, Department of Neuroscience, University of Turin Medical School, Italy</p>	447
150	<p>EFFECT OF TRAMADOL ON LASER EVOKED POTENTIALS IN HUMANS. PRELIMINARY RESULTS <b>F. Galeotti</b><sup>1</sup>, A. Truini<sup>1</sup>, A. Albanese<sup>1</sup>, M.R. Maluccio<sup>2</sup>, F. Sartucci<sup>2</sup>, G. Cruccu<sup>1</sup>, <sup>1</sup>Department of Neurological Sciences, University, Rome, <sup>2</sup>Department of Neuroscience, Neurological Clinic, University Medical School, Pisa, Italy</p>	448
151	<p>MICROVASCULAR DECOMPRESION (MVD) IN TRIGEMINAL NEURALGIA (TN) TREATMENT Yu.A Shulev, <b>K.S. Gordienko</b>, Neurosurgery Department., State Multifield Hospital #2, St Petersburg, Russia</p>	449



## POSTER SESSION 2: HUMAN STUDIES (cont)

Board No		Abstract No
152	<p>PAIN, ANXIETY AND DEPRESSION IN NEUROPATHIC AND NON-NEUROPATHIC PAIN PATIENTS COMPARED WITH HEALTHY CONTROLS. A QUANTITATIVE STUDY</p> <p><b>L. Gormsen</b><sup>1</sup>, R. Rosenberg<sup>2</sup>, F.W. Bach<sup>1</sup>, T.S. Jensen<sup>1</sup>, <sup>1</sup>Danish Pain Research Center, <sup>2</sup>Centre for Basic Psychiatric Research, University of Aarhus, Denmark</p>	450
153	<p>SPATIAL AND TEMPORAL STIMULUS PARAMETERS OF CONDITIONING STIMULATION AFFECT THE MAGNITUDE AND DIRECTION OF HUMAN PAIN PLASTICITY</p> <p><b>R.M. Gracien</b>, W. Magerl, T. Klein, R-D. Treede, Institute of Physiology and Pathophysiology, Johannes Gutenberg University Mainz, Germany</p>	451
154	<p>INHIBITION OF CORTICAL LASER EVOKED POTENTIALS BY TRANSCUTANEOUS ELECTRICAL NERVE STIMULATION</p> <p><b>G. Jonker</b><sup>1</sup>, C.F. Van Swol<sup>2</sup>, D. Brandsma<sup>3</sup>, E.H. Boezeman<sup>3</sup>, H.P.A. Van Dongen<sup>1</sup>, H.J.A. Nijhuis<sup>1</sup>, <sup>1</sup>Department of Anaesthesiology, Intensive Care and Pain Medicine, <sup>2</sup>Department of Medical Physics, <sup>3</sup>Department of Clinical Neurophysiology, St Antonius Hospital, Nieuwegein, The Netherlands</p>	452
155	<p>HIV-POSITIVE OUTPATIENTS ON ANTIRETORVIRAL THERAPY HAVE THE SAME PAIN INTENSITY BUT GREATER RISK OF NEUROPATHIC PAIN THAN TREATMENT NAÏVE PATIENTS</p> <p><b>P.R. Kamerman</b>, D. Mitchell, N.R. Mphahlele, School of Physiology, University of the Witwatersrand, Parktown, Gauteng, South Africa</p>	453
156	<p>SOMATOSENSORY PERCEPTION THRESHOLD ALTERATIONS DO NOT PREDICT THE PRESENCE OF PAIN IN PERIPHERAL NERVE INJURY. PRELIMINARY RESULTS.</p> <p><b>A.H. Landerholm</b>, P.T. Hansson, Institute of Molecular Medicine and Surgery, Section of Clinical Pain Research, Pain Center, Department of Neurosurgery, Karolinska Institute, University Hospital, Stockholm, Sweden</p>	454

## POSTER SESSION 2: HUMAN STUDIES (cont)

Board No		Abstract No
157	REPRODUCIBILITY OF PAIN DESENSITIZATION PRODUCED BY CONTINUOUS 2HZ ELECTRIC STIMULATION <b>R. Lecybyl</b> , J. Ghoshdastidar, A. Bet, M. Hanna, Pain Clinical Research Hub, King's College Hospital, King's College London, UK	455
158	SOMATOSENSORY PROCESSING IN PINK1 (PARK6) AND PARKIN MUTATION CARRIERS: ITS POTENTIAL ROLE IN PARKINSON'S DISEASE <b>J. Ludwig</b> <sup>1</sup> , F. Lienau <sup>2</sup> , R. Maag <sup>1</sup> , J.M. Hagenah <sup>2</sup> , G. Deuschl <sup>1</sup> , E. Fritzer <sup>4</sup> , C. Klein <sup>2,3</sup> , R. Baron <sup>1</sup> , C. Helmchen <sup>2</sup> , <sup>1</sup> Division of Neurological Pain Research and Therapy, <sup>2</sup> Department of Neurology, <sup>3</sup> Department of Human Genetics, Universitätsklinikum Schleswig-Holstein, Campus Lübeck, <sup>4</sup> Department of Medical Informatics and Statistics, Universitätsklinikum Schleswig-Holstein, Campus Kiel, Germany	456
159	SYSTEMATIC REVIEW OF THE PREVALENCE OF NEUROPATHIC PAIN <b>A. Mailis Gagnon</b> <sup>1,2,4</sup> , A. Furlan <sup>1,2,3</sup> , S.F. Lakha <sup>1</sup> , B. Yegneswaran <sup>1</sup> , <sup>1</sup> Comprehensive Pain Program, Toronto Western Hospital, <sup>2</sup> University of Toronto Centre for the Study of Pain, <sup>3</sup> Institute for Work and Health, <sup>4</sup> Kremsbil Neuroscience Centre, Toronto, Canada	457
160	RESULTS FROM TRPM8 AND TRPA1 ACTIVATION THROUGH MENTHOL AND CINNAMALDEHYDE IN PATIENTS WITH COLD ALLODYNIA FOLLOWING COLD INJURY <b>B. Namer</b> <sup>1</sup> , I.P. Kleggetvåg <sup>2</sup> , E. Jorum <sup>2</sup> , <sup>1</sup> Department of Physiology and Pathophysiology, University of Erlangen, Germany, <sup>2</sup> Department of Neurophysiology, Rikshospitalet, University of Oslo, Norway	458
161	LOW BACK PAIN AND NEUROPATHIC PAIN IN IRANIAN NURSES <b>S.H. Pedram</b> , J. Moradi, Tums, Faculty of Nursing, Tehran, Iran	459
162	COMPARISON OF EVOKED POTENTIALS IN RESPONSE TO PAINFUL STIMULATIONS DELIVERED BY YAP OR CO2 LASER. <b>C. Perchet</b> <sup>1</sup> , M. Magnin <sup>1</sup> , M. Frot <sup>1</sup> , V. Legrain <sup>2</sup> , L. Garcia-Larrea <sup>1</sup> , <sup>1</sup> INSERM U 879, Central Integration of Pain Unit, Neurological Hospital, Bron, France, <sup>2</sup> Cognitive Neurosciences Unit, Catholic University of Louvain, Louvain La Neuve, Belgium	460

## POSTER SESSION 2: HUMAN STUDIES (cont)

Board No		Abstract No
163	<p>HOMOTOPIC STIMULATION CAN REDUCE THE AREA OF ALLODYNIA IN PATIENTS WITH NEUROPATHIC PAIN</p> <p><b>M. Besson</b><sup>2</sup>, S.J. Love-Jones<sup>1</sup>, C.E. Steeds<sup>1</sup>, P. Brook<sup>1</sup>, B.A. Chizh<sup>1,3</sup>, A.E. Pickering<sup>1,4</sup>, <sup>1</sup>Pain Clinic, Bristol Royal Infirmary, UK, <sup>2</sup>Centre Multidisciplinaire De La Douleur, Hopitaux Universitaires De Geneve, Switzerland, <sup>3</sup>GlaxoSmithKline ACCI, Cambridge, <sup>4</sup>Anaesthesia &amp; Physiology, University of Bristol, UK</p>	461
164	<p>TOPICAL MENTHOL: STABILITY OF A SENSORY PROFILE IN A HUMAN SURROGATE MODEL</p> <p><b>M. Stengel</b><sup>1</sup>, A. Binder<sup>1</sup>, O. Klebe<sup>1</sup>, G. Wasner<sup>1,2</sup>, J. Schattschneider<sup>1</sup>, R. Baron<sup>1</sup>, <sup>1</sup>Division of Neurological Pain Research and Therapy, Department of Neurology Christian-Albrechts-Universität Kiel, Germany, <sup>2</sup>Prince of Wales Medical Research Institute, University of New South Wales, Sydney, Australia</p>	462
165	<p>S100 BETA IN PAIN</p> <p><b>D. Tammaro</b>, D. Da Prato, B. Battista, M. Spano, R. Melillo, D. Faticato, R. Palomba, SCARE, Federico II's University, Naples, Italy</p>	463
166	<p>PATHOPHYSIOLOGY OF NEUROPATHIC PAIN IN CARPAL TUNNEL SYNDROME. A CLINICAL AND NEUROPHYSIOLOGICAL STUDY. PRELIMINARY RESULTS</p> <p><b>A. Truini</b><sup>1</sup>, F. Galeotti<sup>1</sup>, M. Virtuoso<sup>1</sup>, M. Inghilleri<sup>1</sup>, L. Padua<sup>2</sup>, G. Cruccu<sup>1</sup>, <sup>1</sup>Department of Neurological Sciences, University "La Sapienza", <sup>2</sup>Department of Neurosciences, Catholic University, Policlinico A. Gemelli, Rome, Italy</p>	465
167	<p>A RANDOMIZED SHAM-CONTROLLED TRIAL OF MIRROR THERAPY FOR LOWER LIMB PHANTOM PAIN DEMONSTRATES EFFICACY OF MIRROR THERAPY</p> <p><b>J.W. Tsao</b><sup>1,2</sup>, B.L. Chan<sup>1,3</sup>, R. Witt<sup>3</sup>, R. Howard<sup>4</sup>, A. Charrow<sup>1,3</sup>, A. McGee<sup>3</sup>, P.F. Pasquina<sup>3</sup>, K.M. Heilman<sup>5</sup>, <sup>1</sup>Neurology, Uniformed Services University of the Health Science, Bethesda, MD, <sup>2</sup>Department of Neurology, <sup>3</sup>Department of Physical Medicine and Rehabilitation, <sup>4</sup>Department of Clinical Investigation, Walter Reed Army Medical Center, Washington, DC, <sup>5</sup>Department of Neurology, University of Florida, Gainesville, FL, USA</p>	466

# Saturday, June 9, 2007

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13:30 - 15:30

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## POSTER SESSION 2: HUMAN STUDIES (cont)

Board No		Abstract No
168	<p>PERSISTENT PAIN AFTER CARDIAC SURGERY: A NEUROPATHIC PROBLEM? <b>J. Watt-Watson</b><sup>1</sup>, B. Stevens<sup>1,2</sup>, J. Costello<sup>3</sup>, M. McGillion<sup>1</sup>, <sup>1</sup>Faculty of Nursing, University of Toronto, <sup>2</sup>The Hospital for Sick Children, <sup>3</sup>Toronto General Hospital, Toronto, Canada</p>	467
169	<p>CORRELATIONS BETWEEN CLINICAL NEUROPATHIC PAIN RESPONSES AND EXPERIMENTAL PAIN MEASURES IN POSTAMPUTATION PAIN <b>C.H. Wilder-Smith</b>, L. Hill, Brain-Gut Research Group, Bern, Switzerland</p>	468
170	<p>CONTACT HEAT EVOKED POTENTIALS AND SPINOTHALAMIC TRACT CONDUCTION VELOCITY DETERMINATION <b>S. Wydenkeller</b><sup>1</sup>, V. Dietz<sup>1</sup>, A. Curt<sup>2</sup>, P. Halder<sup>1</sup>, <sup>1</sup>Spinal Cord Injury Centre, University Hospital Balgrist, Zürich, Switzerland, <sup>2</sup>Division of Neurology, Department of Medicine and ICORD, University of British Columbia, Vancouver, BC, Canada</p>	469

# Saturday, June 9, 2007

15:30 - 17:00

Hall B

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## **Workshop - Assessment and Diagnosis 4: ASSESSMENT OF OUTCOMES IN NEUROPATHIC PAIN CONDITIONS AND PRE-CLINICAL MODELS. ARE WE LOOKING AT THE SAME THING?**

Chairpersons: **P.T. Hansson**, Sweden  
**A.H. Dickenson**, UK

Abstract No

For Workshop Summary see abstract number 82

15:30 SPECTRUM OF SOMATOSENSORY  
ABERRATIONS IN HUMANS WITH NEUROPATHIC  
PAIN

**P. Hansson**, Pain Center, Department of  
Neurosurgery, Karolinska University Hospital, Solna,  
Stockholm, Sweden

15:50 LOST IN TRANSLATION? - CAN PRECLINICAL  
STUDIES RELATE TO PATIENTS?

**A.H. Dickenson**, Pharmacology University College  
London, UK

16:10 STRATEGIES OF PRE-CLINICAL PAIN  
ASSESSMENT: ARE WE LOOKING AT THE RIGHT  
THING?

**R.P. Yeziarski**, Neuroscience and Anesthesiology,  
University of Florida, USA

16:30 DISCUSSION

17:00 COFFEE BREAK

# Saturday, June 9, 2007

15:30 - 17:00

Hall C

**Workshop - Epidemiology and Health Care Systems 4:  
RESULTS OF AN AAN/EFNS TASK FORCE ON  
TRIGEMINAL NEURALGIA MANAGEMENT**

Chairpersons: **T.J. Nurmikko**, UK  
**P. Pionchon**, France

Abstract No

- For Workshop Summary see abstract number 83
- 15:30 AAN/EFNS GUIDELINES ON DIAGNOSIS OF TRIGEMINAL NEURALGIA  
**G. Cruccu**<sup>1</sup>, G. Gronseth<sup>2</sup>, <sup>1</sup>Department of Neurological Sciences, La Sapienza University, Rome, Italy, <sup>2</sup>Department of Neurology, University of Kansas, Kansas City, USA 84
- 15:50 GUIDELINES FOR SURGICAL TREATMENT FOR TRIGEMINAL NEURALGIA  
**J.M. Zakrzewska**, Barts and the London Queen Mary's School of Medicine and Dentistry, London, UK 85
- 16:10 AAN/EFNS GUIDELINES FOR PHARMACOTHERAPY OF TRIGEMINAL NEURALGIA  
**T.J. Nurmikko**, Division of Neurological Science, University of Liverpool, UK 86
- 16:30 DISCUSSION
- 17:00 COFFEE BREAK

# Saturday, June 9, 2007

15:30 - 17:00

Hall D

## Workshop - Basic Sciences 4: GROWTH FACTORS AND HYPERALGESIA

Chairpersons: **S.B. McMahon**, UK  
**M.W. Salter**, Canada

Abstract No

- For Workshop Summary see abstract number 87
- 15:30 CHAIRMAN'S INTRODUCTION  
**S.B. McMahon**, Wolfson CARD, King's College,  
London, UK
- 15:35 SYNAPTIC SECRETION AND LOCAL ACTIONS OF  
NEUROTROPHINS  
**V. Lessmann**, Institute of Physiology, Johannes  
Gutenberg-University Mainz, Germany 88
- 15:55 THE ROLE OF BDNF IN MICROGLIA-NEURON  
SIGNALLING AFTER PERIPHERAL NERVE INJURY  
**M.W. Salter**, University of Toronto Centre for the  
Study of Pain, and Program in Neurosciences &  
Mental Health, Hospital for Sick Children, Toronto,  
Canada 89
- 16:15 CCL2 AS A MEDIATOR OF NEUROPATHIC PAIN  
STATES.  
**S.B. McMahon**, Wolfson CARD, King's College,  
London, UK 90
- 16:35 DISCUSSION
- 17:00 COFFEE BREAK

## Workshop - Mechanisms and Translational Research 4: CHEMOTHERAPY INDUCED NEUROPATHY

Chairpersons: **R. Maag**, Germany  
**W. Jänig**, Germany

Abstract No

For Workshop Summary see abstract number 91

- 15:30 PACLITAXEL-INDUCED PERIPHERAL NEUROPATHY: INVOLVEMENT OF NEURONAL AND NON-NEURONAL CELLS IN THE DORSAL ROOT GANGLIA, PERIPHERAL NERVE AND SPINAL CORD  
**P.W. Mantyh**, University of Minnesota, Minneapolis, USA
- 15:50 CHEMOTHERAPY INDUCED NEUROPATHY  
**J. Levine**, University of California, San Francisco, USA 92
- 16:10 CLINICAL SYMPTOMATOLOGY AND THERAPEUTIC STUDIES IN CHEMOTHERAPY-INDUCED NEUROPATHY  
**G.Y. Wong**, Johnson & Johnson Company, Clinical Research, ALZA Corporation, Mountain View, CA, USA
- 16:30 DISCUSSION
- 17:00 COFFEE BREAK



# Saturday, June 9, 2007

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15:30 - 17:00

Hall F

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**Workshop - Specific Diseases 4:  
RECENT DEVELOPMENTS IN HERPES ZOSTER AND  
POSTHERPETIC NEURALGIA - MECHANISMS,  
PREVENTION AND TREATMENT**

Chairpersons: **M. Haanpää**, Finland  
**R.W. Johnson**, UK

		Abstract No
	For Workshop Summary see abstract number	93
15:30	MECHANISM-BASED TREATMENT OF HERPES ZOSTER AND POSTHERPETIC NEURALGIA <b>M. Haanpää</b> , Helsinki University Central Hospital, Finland	94
15:50	ZOSTER VACCINE FOR THE PREVENTION OF POSTHERPETIC NEURALGIA <b>M.N. Oxman</b> , VA San Diego Healthcare System and The University of California, San Diego, USA	95
16:10	INVASIVE TREATMENT OF HERPES ZOSTER AND POSTHERPETIC NEURALGIA <b>A.J.M. van Wijck</b> , Pain Clinic, University Medical Center Utrecht, Utrecht, The Netherlands	96
16:30	DISCUSSION	
17:00	COFFEE BREAK	

**Workshop - Therapy 4:  
TOPICAL AND TRANSDERMAL TREATMENTS FOR  
NEUROPATHIC PAIN**

Chairpersons: **G. Gourlay**, Australia  
**M. Schenk**, Germany

Abstract No

- For Workshop Summary see abstract number 97
- 15:30 HIGH-CONCENTRATION CAPSAICIN FOR TREATMENT OF PHN AND HIV NEUROPATHY PAIN  
**M. Backonja**, Department of Neurology, University of Wisconsin, Madison, WI, USA 98
- 15:50 TOPICAL LIDOCAINE AND CAPSAICIN: DOES THE NEUROPATHIC PAIN NEEDS A SECOND SKIN ?  
**G. Wasner**<sup>1,2</sup>, <sup>1</sup>Prince of Wales Medical Research Institute, University of New South Wales, Randwick, NSW, Australia, <sup>2</sup>Devison of Neurological Pian Research and Therapy, Department of Neurology, University Clinic Schleswig-Holstein, Campus Kiel, Germany 99
- 16:10 TOPICAL AND PERIPHERALLY ACTING ANALGESICS FOR NEUROPATHICH PAIN MANAGEMENT  
**E. Alon**<sup>1</sup>, M. Jaquenod-Linder<sup>2</sup>, C. Wanner Schmid<sup>3</sup>, <sup>1</sup>Department of Anesthesia, University Hospital of Zurich, Switzerland 100
- 16:30 DISCUSSION
- 17:00 COFFEE BREAK

**GRUNENTHAL INDUSTRY SPONSORED SYMPOSIUM:**

**VERSATIS® \*: A NOVEL TREATMENT APPROACH FOR POWERFUL RELIEF OF NEUROPATHIC PAIN SYMPTOMS**

Chairpersons: **R. Baron**, Germany  
**J.C.D. Wells**, UK

Abstract No

- 17:30 CHAIRMAN'S INTRODUCTION: TOPICAL LIDOCAINE - A NOVEL STANDARD TREATMENT FOR NEUROPATHIC PAIN  
**R. Baron**, Professor, Division of Neurological Pain Research and Therapy, Department of Neurology, Christian-Albrechts-Universität Kiel, Germany 131
- 17:35 VERSATIS® \*: PRACTICAL AND PHARMACODYNAMIC BENEFITS OF TOPICAL THERAPY  
**G. Hans**, Antwerp University Hospital (UZA), Multidisciplinary Pain Center (PCT), Edegem, Belgium 132
- 17:50 TOPICAL LIDOCAINE - EXPERIMENTAL MODELS OF NEUROPATHIC PAIN AND IMPLICATIONS FOR SYMPTOMATIC TREATMENT  
**B. Gustorff**, Vienna Human Pain Research Group, Department of Anaesthesia, General Intensive Care and Pain Therapy, Medical University of Vienna, Austria 133
- 18:00 EFFICACY AGAINST TYPICAL SYMPTOMS OF NEUROPATHIC PAIN - CLINICAL EVIDENCE ON VERSATIS® \*  
**S. Schug**, University of Western Australia, Perth, Australia 134
- 18:20 TOPICAL LIDOCAINE - ITS PLACE IN TREATMENT ALGORITHMS AND CLINICAL PRACTICE  
**J.C.D. Wells**, Consultant in Pain Relief, Pain Matters, Liverpool, UK 135
- 18:30 QUESTIONS & ANSWERS  
CONCLUSION

\* REGISTERED IN UK

# Sunday, June 10, 2007

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<b>09:00 – 11:00</b>	<b>Plenary Session</b>	<b>Hall A</b>
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MODULATORY INFLUENCES ON NEUROPATHIC PAIN

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<b>11:00 – 11:30</b>	<b>Coffee Break</b>	<b>Exhibition Area</b>
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<b>11:30 – 13:00</b>	<b>Parallel Workshops</b>	<b>Halls B - G</b>
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- HALL B: ANXIETY, DEPRESSION & QUALITY OF LIFE IN NEUROPATHIC PAIN
- HALL C: EPIDEMIOLOGY OF DIABETIC NEUROPATHY – LATIN AMERICAN EXPERIENCE
- HALL D: MOLECULAR AND SYNAPTIC MECHANISMS FOR NEUROPATHIC PAIN
- HALL E: THE ROLE OF ENDOGENOUS PAIN CONTROL IN NEUROPATHIC PAIN – EVIDENCE FROM RLS
- HALL F: RECENT ADVANCES IN INVESTIGATION AND MANAGEMENT OF HEADACHE AND MIGRAINE
- HALL G: OPIOIDS FOR NON-MALIGNANT PAIN

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<b>13:00</b>	<b>Congress Close</b>
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# Sunday, June 10, 2007

09:00 - 11:00

Hall A

## PLENARY SESSION:

### MODULATORY INFLUENCES ON NEUROPATHIC PAIN

Chairpersons: **K.L. Casey**, USA  
**H. Vanegas**, Venezuela

Abstract No

- |       |   |    |
|-------|---|----|
| 09:00 | DESCENDING CONTROL OF NEUROPATHIC PAIN:<br>INHIBITORY OR FACILITATORY?<br><b>M.H. Ossipov</b> , Research Associate Professor,<br>Department of Pharmacology, College of Medicine,<br>University of Arizona, Tucson, AZ, USA                       | 8  |
| 09:30 | THE PLACEBO EFFECT: FROM MECHANISMS TO<br>CLINICAL IMPLICATIONS<br><b>F. Benedetti</b> , Department of Neuroscience, University<br>of Turin Medical School, Turin, Italy  | 9  |
| 10:00 | FUNCTIONAL IMAGING IN NEUROPATHIC PAIN<br><b>I. Tracey</b> , Professor of Pain Research and Director,<br>Oxford Centre for Functional Magnetic Resonance<br>Imaging of the Brain, Department of Clinical<br>Neurology, Oxford University, UK      | 10 |
| 10:30 | PLASTICITY OF INHIBITION THROUGH<br>MICROGLIA TO NEURON SIGNALLING<br><b>M.W. Salter</b> , University of Toronto Centre for the<br>Study of Pain, and Program in Neurosciences &<br>Mental Health, Hospital for Sick Children, Toronto,<br>Canada | 11 |
|       | PRESENTATION OF POSTER PRIZES   |    |
| 11:00 | COFFEE BREAK  |    |

# Sunday, June 10, 2007

11:30 - 13:00

Hall B

**Workshop - Assessment and Diagnosis 5:  
ANXIETY, DEPRESSION AND QUALITY OF LIFE IN  
NEUROPATHIC PAIN**

Chairpersons: **P. Murphy**, UK  
**F. Benedetti**, Italy

Abstract No

- For Workshop Summary see abstract number 101
- 11:30 THE ROLE OF PSYCHOSOCIAL FACTORS AND NEUROPATHIC PAIN  
**J. Haythornthwaite**, Department of Psychiatry & Behavioral Sciences, Centre for Mind-Body Research, Johns Hopkins University School of Medicine, Baltimore, USA 102
- 11:50 ASSESSMENT OF PSYCHOSOCIAL FACTORS IN NEUROPATHIC PAIN  
**H.M. Poole**, Faculty of Science, Liverpool John Moores University, UK 103
- 12:10 TREATMENT FOR NEUROPATHIC PAIN FROM A PSYCHOSOCIAL PERSPECTIVE  
**P. Murphy**, Department of Pain Management, The Walton Centre for Neurology and Neurosurgery NHS Trust, Liverpool, UK 104
- 12:30 DISCUSSION

# Sunday, June 10, 2007

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11:30 - 13:00

Hall C

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**Workshop - Epidemiology and Health Care Systems 5:  
EPIDEMIOLOGY OF DIABETIC NEUROPATHY - LATIN  
AMERICAN EXPERIENCE**

Chairpersons: **M.A. Genis Rondero**, Mexico  
**H. Vanegas**, Venezuela

Abstract No

- |       |   |     |
|-------|---|-----|
| 11:30 | EPIDEMIOLOGY OF DIABETIC NEUROPATHY IN MEXICO<br><b>M. Genis Rondero</b> , President of AMETD, Mexico                                     | 105 |
| 11:50 | EPIDEMIOLOGY OF PAINFUL DIABETIC NEUROPATHY IN CENTRAL AMERICA AND THE CARIBBEAN<br><b>E. Ibarra</b> , Pain Clinic, Albonito, Puerto Rico | 106 |
| 12:10 | EPIDEMIOLOGY OF DIABETES NEUROPATHY IN SOUTH AMERICA<br><b>M.J. Gutfrajnd</b> , Chief Pain Management Department, CEMES, La Paz, Bolivia  | 107 |
| 12:30 | DISCUSSION  |     |

**Workshop - Basic Sciences 5:  
MOLECULAR AND SYNAPTIC MECHANISMS FOR  
NEUROPATHIC PAIN**

Chairperson: **M. Zhuo**, USA

		Abstract No
	For Workshop Summary see abstract number	108
11:30	MOLECULAR MECHANISMS FOR MODIFICATION OF SYNAPTIC TRANSMISSION OF AFFERENTS FOLLOWING PERIPHERAL NERVE INJURY <b>X. Zhang</b> , Institute of Neuroscience and Key Laboratory of Neurobiology, Shanghai Institutes for Biological Sciences, Chinese Academy of Sciences, Shanghai P.R., China	109
11:50	ANALOGY OF A-BETA AFFERENTS TERMINATION IN PATHOLOGICAL CONDITIONS WITH IMMATURE STATE <b>M. Yoshimura</b> <sup>1</sup> , T. Nakatsuka <sup>2</sup> , H. Furue <sup>1</sup> , <sup>1</sup> Department of Integrative Physiology, Kyushu University, Fukuoka, <sup>2</sup> Department of Physiology, Faculty of Medicine, Saga University, Saga-City, Japan	110
12:10	ENHANCED PRESYNAPTIC AND POSTSYNAPTIC EXCITATORY TRANSMISSION IN THE ACC AFTER NERVE INJURY <b>M. Zhuo</b> , Department of Physiology, University of Toronto, Canada	111
12:30	DISCUSSION	



Sunday, June 10, 2007

11:30 - 13:00

Hall E

**Workshop - Mechanisms and Translational Research 5:  
THE ROLE OF ENDOGENOUS PAIN CONTROL IN  
NEUROPATHIC PAIN - EVIDENCE FROM RLS**

Chairpersons: **A.I. Basbaum**, USA  
**W. Magerl**, Germany

Abstract No

- For Workshop Summary see abstract number 112
- 11:30 DOPAMINERGIC MECHANISMS OF PAIN CONTROL  
**A.I. Basbaum**, Department of Anatomy, University of California San Francisco, USA
- 11:50 MODULATION OF PAIN BY THE STRIATUM, A POTENTIAL CULPRIT IN RLS  
**A. Pertovaara**, Institute of Biomedicine, Physiology, University of Helsinki, Finland 113
- 12:10 NEUROPATHIC PAIN IN RESTLESS LEGS SYNDROME - A DISORDER OF PAIN CONTROL  
**K. Stiasny-Kolster**<sup>1</sup>, **W. Magerl**<sup>2</sup>, **W.H. Oertel**<sup>1</sup>, **R-D. Treede**<sup>2</sup>, <sup>1</sup>Department of Neurology, Center of Nervous Diseases, Philipps University, Marburg, <sup>2</sup>Institute of Physiology, Johannes Gutenberg University, Mainz, Germany 114
- 12:30 DISCUSSION

# Sunday, June 10, 2007

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11:30 - 13:00

Hall F

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**Workshop - Specific Diseases 5:  
RECENT ADVANCES IN INVESTIGATION AND  
MANAGEMENT OF HEADACHE AND MIGRAINE**

Chairpersons: **J.E. Charlton**, UK  
**J. Olesen**, Denmark

Abstract No

	For Workshop Summary see abstract number	115
11:30	MIGRAINE <b>A.J. Dowson</b> , Kings College Hospital, London, UK	116
11:50	WHAT HAVE WE LEARNED FROM NEUROIMAGING IN HEADACHE? <b>A. May</b> , Department of Systems Neuroscience, University of Hamburg, Germany	117
12:10	CALCITONIN GENE-RELATED PEPTIDE (CGRP) INVOLVEMENT IN MIGRAINE. <b>J. Olesen</b> , Danish Headache Centre, Department of Neurology, Glostrup Hospital, Denmark	118
12:30	DISCUSSION	

# Sunday, June 10, 2007

---

11:30 - 13:00

Hall G

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**Workshop - Therapy 5:  
OPIOIDS FOR NON-MALIGNANT PAIN**

Chairpersons: **M. Zenz**, Germany  
**A.H. Kopf**, Germany

Abstract No

	For Workshop Summary see abstract number	119
11:30	OPIOIDS FOR NON-MALIGNANT PAIN - ARE OPIOIDS BETTER THAN ALTERNATIVES? <b>H.J. McQuay</b> , University of Oxford, Pain Relief Unit, Churchill Hospital, UK	120
11:50	CHRONIC NON-CANCER PAIN PREDOMINANTLY NEUROPATHIC AND THE LONG TERM SAFETY AND EFFICACY OF OPIOIDS <b>C.P.N Watson</b> , University of Toronto, ON, Canada	121
12:10	PRESCRIBING OPIOIDS FOR CHRONIC PAIN: A RATIONAL APPROACH <b>S.N. Raja</b> , The Johns Hopkins University, Anesthesiology & Critical Care, Baltimore, Maryland, USA	122
12:30	DISCUSSION	

<b>A</b>		Bameshki, A.R.	88
Aalto, S.	32	Barcelo, A.	39
Aasvang, E.K.	95	Baron, R.	2, 3, 15, 32, 45, 49, 55, 63, 97, 98, 106
Abalo, R.	46	Barrett, J.A.	41
Abi Lahoud, G.	88	Basbaum, A.I.	2, 112
Abitbol, J-L.	21	Battista, B.	24, 98
Abuzarova, G.	39	Baumgärtner, U.	4, 29
Abzianidze, E.V.	66	Bazan, N.G.	18
Acosta-Guillen, J.	95	Bee, L.A.	17
Agin, C.	72	Beggah, A.T.	74
Akbari, M.	90	Belanger, J.	25
Albanese, A.	95	Belfer, I.	79
Alcantara, M.	82	Bello, A.	88
Almeida, A.	19	Belmonte, C.	42
Alon, E.	105	Bembrick, A.L.	21
Amaral E Souza, T.	77	Bendiksen, A.	24
Amirimoghaddam, S.	90	Bendixen, H.K.	24
Anand, P.	34	Benedetti, F.	95, 108, 109
Andersen, C.	89	Bennett, G.J.	18
Andersen, C.B.	85	Bennett, M.I.	60
Anderson, H.	62	Bera Louville, A.	35
Andrew, D.	81	Berbrayer, D.	93
Andrianasolo, H.	68, 72, 92	Berge, O-G.	20
Ansah, O.B.	19, 81	Berthele, A.	74
Antal, M.	74	Besson, M.	98
Aoki, N.	20	Bet, A.	43, 95, 97
Aperto, A.	24	Beute, G.	93
Aptel, H.	78	Beyreuther, B.	75, 82, 85
Araújo, S.	46	Binder, A.	32, 45, 52, 98
Arbaiza, D. A	39	Birklein, F.	28, 35, 37, 39, 40
Arcos, G.	89	Black, J.A.	51
Arendt-Nielsen, L.	86	Blackbeard, J.	81, 86
Arezzo, J.C.	47	Blackburn-Munro, G.	24
Ariño, P.	18	Blake, D.R.	35
Arioli, P.	79	Blond, S.	35, 42
Atherton, D.	34	Blondet, E.	41, 70, 88
Attal, N.	8, 28, 41, 52	Blumer, H.	39
Aurilio, C.	26	Bodenschatz, R.	24
<b>Ä</b>		Boezeman, E.H.	96
Ängeby Möller, K.	17, 20	Bongardt, S.	24
<b>B</b>		Bonhaus, D.W.	85
Ba, M.	37	Bonke, F.	74
Bach, F.W.	9, 46, 96	Bonny, C.	74
Bach-Rojecky, L.	17	Bordet, T.	21
Backonja, M.	13, 49, 105	Bostock, H.	48
Backonja, M.M.	24	Boucher, Y.	17
Baek, H.S.	47	Bouhassira, D.	5, 28, 41
Bairaktari, A.	70	Bowie, E.	42
Baisden, J.	90	Brack, A.	45, 47
Baltatzi, L.	90	Bradley, K.	88
		Brandsborg, B.	95
		Brandtsma, D.	96
		Bretschneider, M.	24
		Briche, T.	70

Briffa, K.	30	Chizh, B.A.	7, 98
Brill, S.	70	Cho, J.H.	77
Brindani, F.	42	Cho, K.H.	36
Brisorgueil, M.J.	81	Cho, S.H.	66
Brook, P.	98	Choi, J.	51
Brookes, M.	70	Choi, J.B.	76
Bruel, B.M.	70	Choi, K.S.	47
Bruyneel, P.	27	Choi, S.M.	36
Brzezinski, K.	35	Choi, S.Y.	66
Buettner, A.	74	Chokron, S.	72
Buisson, B.	21	Choong, K-C.	86
Bura, S.A.	81	Christensen, B	95
Burton, A.W.	70	Christoph, T.	17
Bushnell, M.C.	59	Christov, V.G.	20
Butler, M.S.	81	Cizkova, D.	19
Butler, S.H.	64, 81	Clark, A.J.	26
		Cobianchi, S.	17
<b>C</b>		Cockayne, D.A.	87
Cabezos, P.A.	46	Coderre, T.J.	18, 23
Cabot, P.J.	21	Coffeen, U.	66, 84
Cabrera Feria, J.R.	30, 31	Cohen, H.E.	35
Caccia, C.	74	Cold, S.	48
Cacciatori, C.	24	Colin, I.	41
Cadetti, F.	77	Collins, D.R.	18
Cagle, J.	25, 39	Colloca, L.	95
Calderon Munoz, F.	30, 31	Colombo, E.	74
Calderone, M.	24	Colpaert, F.C.	86
Calvino, B.	81	Conçalves, C.	34
Cambj-Sapunar, L	22	Condes-Lara, M.	66
Cammarata, D.	39	Connolly, B.	26
Campbell, J.N.	54	Conrath, M.	81
Canal, J.	39	Constantin, C.	39
Cappa, B.	70	Cooper, M.	90
Cardona, E.Y.	25	Coronel, M.F.	82
Carettoni, D.	79	Costello, J.	99
Carstens, E.	17	Cottrell, D.F.	62
Casano, V.	41	Cousins, M.J.	69
Casetta, I.	42	Coutts, F.	92
Casey, K.L.	108	Craiu, R.	79
Caspani, O.	74	Cruccu, G.	54, 95, 98, 101
Castelain Devillers, D.	35, 42	Crystal, J.D.	43
Castillo, M.A.	46	Cuellar, J.M.	23
Catsaros, S.M.	35, 42	Cui, J.G.	18
Cawello, W.	27	Curatolo, L.	74
Ceci, A.	19, 21	Currie, J.M.	88
Cerdá-Olmedo, G.	45	Curt, A.	99
Chan, B.L.	98	Cuvier, V.	21
Chan, W.K.	76		
Chan, W.T.	76	<b>D</b>	
Charlton J.E.	9, 58, 64, 113	Da Prato, D.	24, 98
Charrow, A.	98	Dardin, L.	25
Chasseing, N.A.	82	Daublaender, M.	40
Cheevers, C	85	Davies, R.	78
Cheevers, C.V.	82	De Andres, J.A.	93
Cheng, Y.	77	De Blasio, E.	25

De Jongh, R.F.	80	Ebrahimpoor Mashhadi, M.R.	43
de Lasson, L.	95	Egenolf, C.	39
De Lucca, F.L.	77	Eich, N.	40
De Santiago, A.	39	Eidelson, S.	88
De Siena, G.	77	Eidelson, S.G.	88
De Tommaso, M.	28	Elbaz, T.	44
De Vooght, P.	93	Eldabe, S.	15, 70, 89
De Vry, J.	17	Elhamy, M.	24
Decosterd, I.	51, 74	Elias, F.	82
Defontaine Catteau, M.C.	35, 42	Enggaard, T.P.	89
Dekeyser, B.	91	Eördögh, M.	74
Del Angel, R.	66, 84	Epstein, J.M.	90
Delaney, A.	62	Erdine, S.	2, 60
Delaporte, E.	35	Erichsen, H.K.	24
DelTredici, A.L.	85	Errington, A.	75
Demey, H.	91	Escolano, F.	18
Densmore, V.S.	66	Evangelista, M.	70
Deseure, K.	27		
Deumens, R.	22, 82, 83	<b>F</b>	
Deuschl, G.	97	Faillenot, I.	8
Devigili, G.	28, 42	Fairbain, L.C.	85
Devor, M.	6, 53	Fang, X.	18
Di Blasio, E.	88	Faravelli, L.	74
Di Lorenzo, L.	25, 88	Faticato, D.	98
Di Maria, C.	25, 88	Feinstein, I.	72
Dib-Hajj, S.D.	48, 51	Feldt-Rasmussen, U.	46
Dickenson, A.H.	14, 17	Ferrer, M.D.	18
	55, 100	Field, M.J.	81
Dieterich, M.	28, 39, 40	Finkelstein, I.	36
Dietz, V.	99	Finnerup, N.	8, 55
Difruscolo, O.	28	Fischer, J.	81
Dillon, M.P.	87	Fischer, T.	48
Djian, M.C.	88	Fleetwood-Walker, S.M.	58, 62
Djoughri, L.	18, 42	Fleischer, W.	26
Doi, A.	20	Fleming, J.	88
Donello, J.E.	82	Flo, J.	82
Donovan-Rodriguez, T.	42	Flonta, M.L.	78
Doods, H.	19, 21	Flor, H.	53
DOPAMIP Study Group, D.S.G.	67	Follini, L.	90, 91, 92
Dostrovsky J.O.	8	Fonoff, E.T.	89, 92
Doty, P.	27	Ford, A.P.D.W.	87
Dowson, A.J.	113	Ford, J.	78
Drass, M.	25	Forgione, A.	24
Dubacq, S.	81	Forte, A.M.	25, 88
Dubovy, P.	76	Fossi, F.	70
Dueholm, M.	95	Foster, A.	89, 90
Dukes, E.	43, 68	Franco-Gay, M.L.	45
Dux, M.	82	Frank, L.	71
Dworkin, R.H.	2, 50	Freeman, J.	37
Dyck, P.J.	49	Freitag, J.	75, 82, 85
		Freyenhagen, R.	5
<b>E</b>		Fritzer, E.	97
Eberle, T.	35	Frot, M.	32, 97
		Fukozawa, Y.	74

Fukusaki, M. 35  
 Furlan, A. 97  
 Furue, H. 20, 111  
 Fussnegger, M.R. 89

## G

Gabriel, A.F. 19, 83  
 Galdo, E. 26  
 Galeotti, F. 95, 98  
 Gallagher, W.G. 37  
 Galvez, R. 25  
 Gandevia, S.C. 33, 69  
 Ganea, M.T. 89  
 Gao, L. 42  
 Garcia-Larrea, L. 4, 8, 32, 97  
 Gardell, L.R. 85  
 Garry, E.M. 62  
 Gastaldo, E. 28, 42  
 Gattuso, C. 77  
 Gauthier, A. 37  
 Gautron, M. 28, 41  
 Gavva, N.R. 82  
 Geber, C. 28, 39  
 Gemignani, F. 42  
 Genis Rondero M.A. 110  
 Genis Rondero, M. 110  
 Gershon, E. 79  
 Ghoshdastidar, J. 43, 97  
 Gil, D. 85  
 Gil, D.W. 82  
 Gilron, I. 14  
 Giron, R. 75  
 Glusman, S. 79  
 Godinho, F. 32  
 Goicoechea, C. 75  
 Goldman, D. 79  
 Gomez-Barrrios, J.V. 43  
 Gomez-Nicola, D. 75  
 Goncalves, L. 19  
 Goodman, D.S. 71  
 Goor-Aryeh, I. 70  
 Gordh, T. 81  
 Gordienko, K.S. 95  
 Gore, M. 43  
 Gorman, R.B. 71  
 Gormsen, L. 96  
 Gorodetskaya, N. 43  
 Goswami, C. 75  
 Gourlay G. 105  
 Gracien, R.M. 96  
 Grafe, P. 75  
 Granieri, E. 28, 42  
 Griesing, T. 67  
 Griffin, J.W. 62  
 Grist, J. 21

Groeneweg, J.G. 36  
 Gronseth, G. 101  
 Groppa, S.A. 89  
 Grossmann, L. 43  
 Guerin, J. 26  
 Guirimand, F. 41  
 Gul, H. 85  
 Gulya, K. 86  
 Gurtskaia, G.P. 66  
 Gustafsson, H. 17, 20, 21  
 Gustafsson, M. 85  
 Gustin, S. 69  
 Gustin, S.M. 33  
 Gustorff, B. 28, 106  
 Gutfrajnd, M.J. 110  
 Gutierrez Garcia, L. 26  
 Gutierrez, T. 43

## H

Haanpää, M. 45, 50, 104  
 Haapasalo, H.K. 45  
 Hagelberg, N. 32, 33  
 Hagenah, J.M. 97  
 Halder, P. 99  
 Hall, J. 35  
 Hall, T. 30  
 Hamidi, G.A. 44  
 Han, D.W. 76  
 Handberg, G. 24  
 Hangan, A. 89  
 Hanna, M. 43, 95, 97  
 Hans, G. 27, 71, 91, 106  
 Hansson, P.T. 5, 15, 96, 100  
 Harano, N. 21  
 Harris, N. 35  
 Hartung, H.P. 58  
 Harvey, J. 55  
 Hasnie, F. 81  
 Hassanzadeh, P. 19  
 Hatem, S.M. 28, 29  
 Haußleiter, P. 36  
 Haythornthwaite, J. 109  
 Heers, C. 75  
 Heilman, K.M. 98  
 Helmchen, C. 97  
 Helme, R.D. 67  
 Henderson, L.A. 33, 69  
 Hennessy, E. 37  
 Henriksen, G. 59  
 Heppenstall, P.A. 74  
 Hernando-Insua, A. 82  
 Hertz, R. 44  
 Heshmat, R. 90  
 Heylen, R. 93  
 Hietala, J. 32, 33

Higashino, H.	20		
Hilaire, C.	78	Jeong, S.J.	50, 95, 96
Hill, L.	99	Jergova, S.	47
Hipp, H.	79	Jett, M.F.	19
Hirvonen, J.	33	Ji, R-R.	87
Hoffmann, A.	29	Ji, R-R.	51, 74
Hohmann, A.G.	43, 44, 47	Jin, J.H.	47
Honig, W.	22	Johnson, R.W.	53, 58, 104
Honig, W.M.	19	Johnston, J.	25
Hopp, M.	26	Jones, S.	78
Horstmann, R.	27	Jonker, G.	96
Howard, R.	98	Joosten, B.	54
Hu, B.	19, 21	Joosten, E.A.	19, 22
Hu, D.Q.	87	Joosten, E.A.J.	82, 83
Hu, P.	21	Jorum, E.	97
Huang, Z.J.	79	Josephson, A.	22
Huber, A.	28	Jovanovic, L.B.	29
Hucho, T.	75	Juckel, G.	29
Hudmon, A.	51	Jung, S.J.	20, 76
Huelbes Alonso, S.	31		
Hulebes Alonso, S.	30	<b>K</b>	
Hum, A.	29, 93	Kafke, W.	62
Huygen, F.J.	36	Kajander, J.	33
Huygen, F.J.P.M.	30, 38	Kalous, A.	67
Hygge-Blakeman, K.	19, 20	Kamenov, Z.A.	20
Hyltoft, L.	85	Kammerman, P.R.	22, 96
		Kaminska, D.	78
<b>I</b>		Kamperi, P.	70
Iannetti, G.D.	4, 29, 33	Kapota, E.	90
Iannotti, M.	26	Kassian, A.	37
Ibarra, E.	110	Kassian, A.A.	25
Idone, D.	24	Katz, R.	72
Imamura, M.	20	Kauppi, T.	29
Immke, D.	82	Kautio, A-L.	45
Inghilleri, M.	98	Kawamura, T.	91
Insausti-Valdivia, J.	45	Keast, J.R.	66, 67, 77
Iodi Carstens, M.	17	Keay, K.A.	21, 83
Ivascu, M.	67	Kehlet, H.	3, 95
		Kellokumpu-Lehtinen, P-L.	45
<b>J</b>		Kelly, S.	83
Jablonski-Peretz, T.	79	Kelly, S.C.	33
Jaenig, W.	43	Khan, S.B.	90
Jage, J.	40	Khodavirdi, A.	42
Jahanbakhsh, S.	88	Khodavirdi, A.C.	46, 71, 88, 90
Jaimes, O.	66, 84	Kiker, D.	42
Jaken, R.J.P.	82, 83	Kim, B.C.	36
Janashia, T.K.	66	Kim, H.Y.	76
Jancalek, R.	76	Kim, J.S.	66
Jancso, G.	78, 82, 86	Kim, J.S.	76, 77
Jancsó, G.	83	Kim, M.K.	36
Jänig W.	103	Kim, S.H.	20
Jaquenod-Linder, M.	105	Kim, W.	47
Jarosz, M.	35	Klase, D.	68, 91
Jensen, T.S.	2, 3, 5, 46	Klaunberg, S.	29, 36
		Klebe, O.	98





Ludwig, J.	97	Mashimo, T.	38
Lund, B.W.	85	Mathieu, C.	41
Luo, L.	20	Matijasevic, C.	37
Luisetto, S.	17	Matthys, K.	41
Luisotto, T.B.	91	Mattioli, M.	77
Lykoudi, I.	90	Mauderli, A.	31
		Max, M.	79
<b>M</b>		Maxwell, K.W.	43
Maag, R.	32, 45, 97, 103	Maxwell, K.W.	44
Maaraof, A.E.	44	May, A.	113
Macefield, V.G.	33, 69	Mayr, D.	28
Machelska, H.	45, 47	McCabe, C.S.	35
Machnev, S.O.	67	McDonnell, F.	46
MacIver, K.M.	33	McGee, A.	98
MacMillan, P.	90	McGillion, M.	99
Macri, F.	92	McKemy, D.D.	52
Macrow, S.	42	McLachlan, E.M.	21
Madani, S.P.	90	McMahon, S.B.	86, 102
Madge, D.	78	McQuay, H.J.	14, 59, 114
Magal, E.	82	McRobbie, D.	34
Magerl, W.	28, 29, 96, 112	Meen, M.	17
Magnin, M.	32, 97	Meert, T.F.	80
Maia, A.M.	25	Melillo, R.	98
Maier, C.	29, 36, 45, 63	Mellgren, S.I.	46
Maihofner, C.	63	Menon, D.K.	33
Mailis Gagnon, A.	97	Mesdaghinia, A.	83
Mair, N.	39	Messina, J.	27
Maisto, M.	26	Meyerson, B.A.	22, 85
Makriyannis, A.	43, 44	Mick, G.	37
Makuch, W.	78, 84	Middleton, J.W.	33
Malcangio, M.	21	Mika, J.	84
Maldonado, R.	81	Mikol, J.	68
Maluccio, M.R.	95	Miksztal, A.	25
Manaheji, H.	44	Millegamps, M.	18
Manering, N.	23	Mitchell, B.	22
Mangeruga, D.	72, 92	Mitchell, D.	22, 96
Manning, E.L.	90	Mitchell, R.	62
Mantyh, P.W.	103	Mito, R.	91
Marani, S.	31	Miura, K.	35
Marbini, A.	42	Miyauchi, S.	38
Marchand, F.	21	Mizuno, M.	20
Marcolin, M.A.	89, 91, 92	Moalem-Taylor, G.	75
Marcus, M.A.	19, 82, 83	Moesker, A.	25
Margic, K.	37	Molano Diaz, P.	26
Margot-Duclot, A.	68, 72, 92	Moliner-Velazquez, S.	45
Marhx, N.	37	Møller, A.T.	46
Marinelli, S.	17	Mologhianu, G.	67
Martikainen, I.K.	32, 33	Monsalve-Dolz, V.	45
Martin Sanchez, S.	73	Montaner, A.D.	82
Martin, H.	90	Montes, A.	18
Martin, M.	37	Moore, N.C.	90
Martin, M.I.	46, 75	Mor, D.	83
Martinez-Lorenzana, G.	66	Moradi, J.	97
Martin-Lopez, E.	75	Moreno, L.A.	45
Martins, I.	46	Morgado, C.	84
		Morley-Forster, P.K.	26

Mosura, M.	70	Ono, H.	22
Mott, K.	42	Ono, K.	21
Moulin, D.E.	26	Orlandini, G.	91
Mouraux, A.	29, 34	Orlando, A.	90, 91, 92
Mousa, S.A.	47	Ortega-Legaspi, J.M.	66, 84
Mphahlele, N.R.	96	Osborne, P.B.	66, 67, 77
Müller-Lissner, S.	26	Osikowicz, M.	84
Mungiu, O.C.	26	Ossipov, M.H.	108
Murari, M.F.	25	Oszlacs, O.	83
Murgu, A.I.	67	Otto, K.J.	21
Murphy P.	109	Oxman, M.N.	104
Murphy, P.	30, 109		
Murphy, T.K.	41, 47, 67	<b>P</b>	
Myczkowski, M.L.	91		
<b>N</b>		Pace, M.C.	26
Nadal, X.	81	Padua, L.	98
Nagahata, S.	21	Page, P.	88
Nagren, K.	32, 33	Page, S.L.	71
Nagy, I.	78	Pallares, J.J.	93
Nakanishi, O.	21	Palmieri, V.	25, 88
Nakatsuka, T.	111	Palomba, R.	24, 98
Namer, B.	97	Paniagua, N.	75
Naous, H.	93	Pao, M.H.	47
Nardi, P.V.	72, 92	Papadaki, A.	34
Nash, P.G.	33, 69	Parent, A.	74
Nasirinezhad, F.	84	Pari, G.	90, 91, 92
Nebuchennykh, M.	46	Park, C.H.	66
Negre-Pages, L.	67	Park, C.K.	77
Neradilek, F.	71	Park, J.H.	47
Nica, A.S.	67	Park, K.P.	66
Nickel, B.	27	Park, M.S.	36
Niehof, S.	30, 36	Park, T.S.	47
Nielsen, E.O.	24	Parkitna, J.R.	78
Nieminen, A.M.	29	Parra-Martin, A.	42
Nieto-Sampedro, M.	75	Pascual, A.	39
Nijhuis, H.J.A.	96	Pasquina, P.F.	98
Nikolajsen, L.	95	Passarella, B.	28
Noguchi, K.	14, 51, 61	Passavanti, M.B.	26
Norman, M.H.	82	Pasternak, G.W.	44
Nunn, P.A.	87	Patijn, J.	54
Nurmikko, T.J.	30, 33, 68, 101	Pauer, L.	47
Nuydens, R.M.	80	Pavone, F.	17
Nyari, T.	83, 86	Pecoraro, C.	28
<b>O</b>		Pedalino, B.	37
Obara, I.	78	Pedram, S.H.	97
Obata, K.	51	Peller, M.	32
O'Dea, K.P.	81	Pellerin, L.	74
Oertel, W.H.	112	Pellicer, F.	66, 84
Oerther, S.	17, 19, 21	Penacoba, C.	30
Oh, S.B.	66, 76, 77	Pennimpe, M.	24
Olesen, J.	113	Perchet, C.	32, 97
Olsson, R.	85	Pereiras, L.A.	72
		Pérez-Cajaraville, J.	45
		Pertin, M.	74
		Pertovaara, A.	19, 32,
			33, 81, 112

Pesonen, U.	32, 33	Remy, V.	37
Peters, D.	24	Rice, A.S.C.	9, 58, 81, 86
Peters, D. J	36	Richter, H.	29
Peyron, R.	8	Ristoiu, V.P.	78
Pezet, S.	81	Rittner, H.L.	45, 47
Pfau, D.	40	Rivera Lopez, A.	31
Pfeffer, R.M.	79	Robbins, W.	85
Phillips, K.	41	Robert, D.	27, 71, 91
Picarelli, H.	91, 92	Roberts, K.	34
Pickering, A.E.	98	Roberts, N.	33
Pieraut, S.	78	Robertson, D.C.	62
Pionchon P.	101	Rodriguez, J.	82
Pirc, J.	37	Roeska, K.	19, 21
Pitts, E.	67	Rog, D.J.	68
Piu, F.	85	Rogers, M.	78
Plaghki, L.	28, 29, 34	Rojas-Piloni, G.	66
Plaisant, O.	68	Rolke, R.	28, 40, 49, 60
Platzer, S.	74	Romero, J.	25
Poole, H.	30, 31	Rosauero, M <sup>a</sup> .J	39
Poole, H.M.	30, 109	Rosenberg, R.	96
Pota, V.	26	Rosenstock, J.	47
Pouresmail, Z.	47	Rosenthal, R.M.	90
Pražnikar, A.	72	Rosie, R.	62
Proudfoot, C.J.	62	Rosta, J.	82
Prudon, V.	70	Roux, F.X.	88
Pruss, R.M.	21	Rowbotham, M.C.	41
Przewlocka, B.	78, 84	Roycroft, T.	37
Przewlocki, R.	78	Ruckes, C.	26
Puig, M.M.	18	Ruggiero, E.G.	26
Puylaert, M.	93	Ruiz, S.	25
Pype, S.	83	Rush, A.M.	51

## Q

Quatrala, R.	28, 42
Quiles, C.	48
Quirce-Vazquez, S.	42

## R

Rabus, U.	85
Radulovic, J.	79
Rahn, E.J.	44, 47
Raja, S.N.	63, 114
Ramón, J.M.	38
Rasche, D.	68, 91
Rascol, O.	67
Rasmussen, A.K.	46
Rasmussen, L.	48
Ratcliffe, S.H.R.	37
Rautinhausser, U.	44
Ravaioli, L.	90, 92
Rea, G.	72, 92
Redaelli, L.	79
Reeh, P.W.	61
Reimer, K.	26

## S

Saarto, T.H.	45
Saberi, A.	47
Sadosky, A.	43, 68
Saegusa, H.	86
Safakhah, H.	44
Safarpour, S.	84
Sailer, C.A.	39
Saitoh, Y.	38
Salami, M.	44
Salkovic-Petrisic, M.	17
Salter, M.W.	102, 108
Salvati, P.	74
Samiee, F.	83
Sanchez, M.A.	39
Sand, T.	68
Sanjuan Alvarez, M.	26
Santha, P.	78, 83, 86
Santiveri, X.	18
Sapunar, D.	22
Sarantis, N.S.	68
Sardaro, M.	28
Sartucci, F.	95

Sato, K.	91	Sigauo, M.	95
Sato, S.	91	Silhouette, B.	68, 72, 92
Saviano, V.	88	Simon, F.	37
Savvidou, C.	90	Simpson, B.A.	54
Scamps, F.	78	Simpson, D.M.	27, 58
Schafer, A.	30	Simpson, K.H.	72
Scharfenecker, U.	27	Sindaco, G.	90, 91, 92
Schattschneider, J.	98	Sindou, M.	41, 70, 88
Schechtmann, G.	85	Sindrup, S.H.	14, 48
Scheinin, H.	32	Sitzmann, L.	68, 72, 92
Schenk M.	105	Smith, A.	90
Scherens, A.	29, 36, 45	Smith, M.T.	21
Scherer, C.	89	Sommer, C.	35, 86
Schlereth, T.	35	Sommer, C.L.	12, 62
Schlereth, T.E.	37	Song, X.J.	79
Schmidt R.F.	61	Song, X.S.	79
Schmidt, Y.	45, 47	Song, Z.Y.	22, 85
Schreiber, A.	37	South, S.M.	21
Schreiter, A.	45, 47	Spano, M.	98
Schug, S.	106	Spincemaille, G.H.	93
Schwab, R.	40	Sprenger, T.	59
Schweinhardt, P.	59	Stacey, B.R.	41
Schyns, F.	92	Steeds, C.E.	98
Scott-Krusz, V.	25, 39	Stefani, N.	72, 92
Scripcaru, S.	89	Stengel, M.	98
Segerdahl, A.R.	86	Sterken, J.	93
Sekosan, M.	79	Sterling, M.M.	31
Seltzer, Z.	79	Stetkárová, I.	94
Seminowicz, D.A.	59	Stevens, B.	99
Sensi, M.C.	28	Stiasny-Kolster, K.	112
Seo, J.S.	66	Stoehr, T.	20, 75, 82, 85
Serpetinis, I.	90	Stojiljkovic, L.	79
Serpino, C.	28	Stovner, L.J.	68
Serra, J.	6, 48	Strichartz, G.R.	51
Seta, Y.	21	Sumikawa, K.	35
Sette, E.	28	Sumitani, M.	38
Sezer, G.	26, 85	Sun, L.	79
Sezer, Z.	26, 85	Sutela, A.	29
Shah, J.	25	Svizenska, I.	76
Sharma, H.	81	Szigeti, C.	86
Sharma, U.	47		
Shaw Fernandez-Toda, C.	31	<b>T</b>	
Sheehan, A.	43	Tai, K.	43
Shenoy, R.	34	Takada, M.	35
Shibata, M.	38	Takasaki, I.	86
Shigemoto, R.	74	Takase/Mizuguchi, H.	20
Shiiba, S.	21	Takasu, K.	22
Shiokawa, H.	20	Takeuchi, Y.	22
Shir, Y.	79	Tamburin, S.	24, 31
Shue, S.	44	Tamir, R.	82
Shulev, Yu.A	95	Tammaro, D.	24, 98
Siddall, P.J.	33, 67, 69	Tanabe, M.	22
Sidenco, E.L.	48	Tanabe, T.	86
Sidoli, M.C.	79	Tang, L.	78
Siebner, H.	32	Tapp, V.	17, 21

Tarroni, P.	77	Uhl, J.F.	68
Tartau, L.	26	Ultenius, C.	22, 85
Tavares, I.	46, 84	Urban, M.O.	86
Taylor, J.	30, 31	Uriarte-Brizuela, E.	45
Taylor, R.	15	Uyanik, O.	48
Taylor, R.J.	92	Uzbay, I.T	85
Taylor, R.S.	54, 92		
Teixeira, M.J.	25, 89, 91, 92	<b>V</b>	
Tekol, Y.	26, 85	Vafiadou, M.	70
Teliban, A.	43	Vaitkus, A.	93
Tender, G.	18	Valet, M.	59
Terao, Y.	35	Valmier, J.	78
Thibault, K.	81	Valverde, O.	81
Thiebaut, J.B.	68, 72, 92	Van Acker, K.	41
Thierfelder, S.	24	Van Buyten, J-P.	15, 54, 93
Thomas, D.	27	Van Dongen, H.P.A.	96
Tian, M.	82	Van Eck, S.R	80
Tick, H.	29	Van Egmond, J.	80
Tighe, M.	34	van Kleef, M.	22, 54, 82
Ting, J.	70	Van Maldeghem, K.	27, 71
Tiό-Felip, M.	45	Van Swol, C.F.	96
Tkemaladze, T.T.	66	Van Utterbeeck, M.	91
Tobias, J.	24	van Wijck, A.J.M.	104
Todorova, M.K.	20	Van Zundert, J.	54, 60, 93
Toelle, T.R.	74	Vandershooten, D.	70
Tola, M.R.	28, 42	Vanegas H.	108, 110
Tölle, T.R.	2, 45, 53, 59	Vanelderen, P.	93
Tominaga, M.	61	Varrassi G.	54
Tornero-Campello, G.	38	Vatine, J-J.	79
Tortorici, V.	43	Veening, J.G.	80
Tracey, D.J.	75	Vemmer, T	94
Tracey, I.	29, 33, 59, 108	Ventura Vargas, D.	73
Traitses, G.	93	Ver Donck, A.	73
Treanor, J.J.	82	Vera, G.	46
Treede, R-D.	2, 14, 19, 21	Verboeket, Y.	22
	28, 29, 39, 40, 45	Veys, B.	35
	50, 96, 112	Vighetti, S.	95
Trombetti, C.	25, 88	Vilholm, O.J.	48
Tronnier, V.	93	Villar, M.J.	82
Tronnier, V.M.	68, 91	Vioux, H.	32
Truin, M.	22	Virtuoso, M.	98
Truini, A.	95, 98	Vissers, K.C.	80
Tsao, J.W.	98	Vitetta, F.	42
Tscharke, A.	86	Vlckova, E.	62
Tuckova, L.	76	Vogt, T.	39
Tugnoli, V.	28, 42	Volpi, A.	37
Tumarkin, E.	71	Vondrackova, D.	68
Tumarkin, E.J.	69	Voronov, G.	79
Tyrrell, L.	48, 51	Vrba, I.	71, 94
Tzschentke, T.M.	17	Vuoriehto, M.	29
<b>U</b>		<b>W</b>	
Üceyler, N.	35	Wallace, M.S.	13, 24
Ueceyler, N.	62, 86	Wallace, V.C.	81
Uematsu, H.	38		

Wallace, V.C.J.	86	Yeomans, D.	85
Wang, Z-Y.	94	Yeomans, D.C.	23
Wanner Schmid, C.	105	Yeziarski, R.P.	100
Wartolowska, K.	59	Yoshimura, M.	20, 111
Wasner, G.	7, 32, 69	Yosry, M.	48
	98, 105	You, H.J.	86
Watson, C.P.N	114	Young, C.A.	68
Watt-Watson, J.	99	Youngblood, B.	82
Waxman, S.G.	6, 48, 51	Yum, S.	25
Weber, J.	22		
Weber, M.	40	<b>Z</b>	
Wei, H.	81	Zakka, T.R.	25
Wei, H-F.	18	Zakrzewska, J.M.	101
Weiss, S.	41	Zaletel, M.	69
Wells, J.C.D.	64, 106	Zambraneau, L.	33
Wenk Lang, A.	71	Zanette, G.	24, 31
Wesseldijk, F.	36, 38	Zanon, S.	77
Whalen, E.	41	Zanon-Baptista, N.	77
Wilder-Smith, C.H.	99	Zegarra-Parodi, R.	94
Wilkerson, J.C.	88	Zenz M.	114
Wilson, J.	78	Zhang, H.Q.	76
Wilson, S.P	46	Zhang, J.L.	76
Wine, W.	71	Zhang, X.	111
Wine, W.A.	69	Zhang, Y-Q.	94
Witt, R.	98	Zhao, F-Y.	18
Wong, G.Y.	103	Zhao, Z-Q.	94
Woolf, C.J.	3	Zhitny, N.	68
Wrigley, P.J.	33, 69	Zhu, D.	82
Wydenkeller, S.	99	Zhu, Q-M.	87
Wyse, B.D.	21	Zhuo, M.	111
		Ziegler, D.	12
<b>X</b>		Zijlstra, F.	30, 38
Xanthos, D.N.	18, 23	Zijlstra, F.J.	36
Xiao, W.	18	Zisowsky, J.	27
Xie, F.	27	Zong, S.	86
Xu, S.	77	Zorzopulos, J.	82
		Zucco, F.	93
<b>Y</b>		Zurborg, S.	74
Yabe, R.	86	Zvan, B.	69
Yanagidate, F.	51	Zvonok, A.M.	43, 44
Yegneswaran, B.	97		

**2<sup>nd</sup> International Congress on Neuropathic Pain**  
**Berlin, Germany**  
**June 7 – 10, 2007**

## Addendum

**THURSDAY, JUNE 7**

**Opening Ceremony**

*13:50 Welcome Address on behalf of German Federal Ministry of Education and Research*

The above address will now be given by **B. Wetterauer** instead of **P. Lange**.

**Workshop – Basic Sciences 1:**

**ECTOPIC DISCHARGES IN C-NOCICEPTORS AS A CAUSE OF NEUROPATHIC PAIN**

The following presentation within the above named workshop will now be presented by **S. Dib-Hajj** in place of **S. Waxman**: ERYTHROMELALGIA AS A HUMAN MODEL OF C-FIBER HYPEREXCITABILITY

**FRIDAY, JUNE 8**

**Workshop – Specific Diseases 2**

**PHANTOM LIMB PAIN – MECHANISMS AND THERAPY**

Co-Chair scheduled for this session is **M. Devor, Israel**.

**Late Breaking Abstracts**

New Poster Boards added to **Poster Session 1: Clinical – Pharmacology**.

Poster Board Numbers: 296; 297; 298

See overleaf for abstract and full author details

**Cancelled Posters**

Poster Board Numbers: 2; 4; 48; 60; 65; 75; 100; 110; 135;

**SATURDAY, JUNE 9**

**Workshop – Therapy 4:**

**TOPICAL AND TRANSDERMAL TREATMENTS FOR NEUROPATHIC PAIN**

The following presentation within the above named workshop will now be presented by **J. Ludwig** in place of **G. Wasner**: TOPICAL LIDOCAINE AND CAPSAICIN: DOES THE NEUROPATHIC PAIN NEED A SECOND SKIN?

**Cancelled Posters**

Poster Board Numbers: 2; 32; 37; 58; 61; 92; 111; 119; 122; 151; 152

**SUNDAY, JUNE 10**

**Plenary Session**

**MODULATORY INFLUENCES ON NEUROPATHIC PAIN**

**J.C.D. Wells** will be co-chairing this session in place of **K.L. Casey**.

**Workshop – Basic Sciences 5:**

**MOLECULAR AND SYNAPTIC MECHANISMS FOR NEUROPATHIC PAIN**

The Co-Chair scheduled for this workshop is **R. Schmidt, Germany**.



## LATE BREAKING ABSTRACTS

### IMPROVED PATIENT-CENTERED OUTCOMES WITH DEXTROMETHORPHAN/QUINIDINE VS PLACEBO IN A PHASE III, DOUBLE-BLIND, RANDOMIZED, PLACEBO-CONTROLLED TRIAL INVESTIGATING PAINFUL DIABETIC PERIPHERAL NEUROPATHY

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**Background and aims:** In addition to pain relief, quality-of-life (QoL) and sleep are outcomes of importance to patients with neuropathic pain. We evaluated these outcomes as secondary endpoints in a three-month, double-blind, randomized trial of dextromethorphan (DM; an N-methyl-D-aspartate receptor antagonist/sigma-1 receptor agonist) plus quinidine (Q; a cytochrome CYP2D6 inhibitor) in patients with diabetic peripheral neuropathy (DPN).

**Methods:** Patients with DPN having daily lower extremity pain for the previous 3 months and scoring  $\geq 2$  on a 5-point Pain Intensity Rating Scale were randomized to twice-daily oral 30mg DM/30mg Q (n=131), 45mg DM/30mg Q (n=125), and placebo (n=123). Pain relief was evaluated using a 6-point Pain Relief Scale (clinic visits); QoL was evaluated (baseline and 3 months) using the validated Peripheral Neuropathy QoL Instrument; and sleep interference was evaluated daily using an 11-point Sleep Rating Scale (daily diary).

**Results:** 242 patients (64%) completed the study. Averaged over study duration, pain relief was significantly greater with DMQ 45mg ( $1.9 \pm 1.1$ ;  $p < 0.0002$ ) and 30 mg ( $1.7 \pm 1.1$ ;  $p < 0.0083$  using ANOVA) compared with placebo ( $1.4 \pm 0.9$ ). Greater improvements in QoL were reported in the DMQ 45 mg ( $8.9 \pm 10.9$ ) and 30mg ( $9.1 \pm 10.7$ ) groups compared with placebo ( $5.9 \pm 8.6$ ;  $p = 0.05$  and  $p = 0.08$  respectively). Sleep interference was significantly lower relative to placebo with both active treatments using an overall test of effects ( $p \leq 0.0001$ ; mixed effects model) as well as in analyses of the 1, 2, and 3-month treatment periods.

**Conclusions:** DMQ provides greater benefits than placebo for pain-related outcomes of importance to patients with DPN, including QoL, sleep, and pain relief.

### PREGABALIN MONOTHERAPY FOR PAIN RELIEF/MANAGEMENT OF FIBROMYALGIA: A 14-WEEK, DOUBLE-BLIND, RANDOMIZED CONTROLLED TRIAL (RELIEF)

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**Background and aims:** Pregabalin is effective in treating pain of fibromyalgia. We further investigated its efficacy/safety in fibromyalgia management.

**Methods:** Double-blind, randomized, controlled trial in patients meeting ACR fibromyalgia criteria—pain VAS score  $\geq 40$  mm (0-100-mm scale), average pain score  $\geq 4$  at randomization,  $< 30\%$  reduction in pain VAS score during placebo run-in—investigated pregabalin 300, 450, or 600mg/d (BID) or placebo for 14 weeks (2-week dosage escalation; 12-week fixed-dosage). Primary efficacy parameter was endpoint mean pain score; others included Patient Global Impression of Change (PGIC) and Fibromyalgia Impact Questionnaire (FIQ) total score.

**Results:** 745 patients: 95% female, mean age=50 years, median fibromyalgia duration=8 years, baseline mean pain score=6.7. Differences from placebo in mean change from baseline to endpoint in pain score were: 300mg/d, -0.71 ( $P = .0009$ ); 450mg/d, -0.98; 600mg/d, -1.00 (each  $P < .0001$ ). Significant pain relief occurred within one week of treatment, and was maintained throughout 14 weeks. Significantly greater proportions of patients reported minimal improvement or better on the PGIC with pregabalin: 68% (300mg/d,  $P = .0034$ ), 78% (450mg/d,  $P < .0001$ ), and 66% (600mg/d,  $P = .0005$ ) vs 48% on placebo. Pregabalin 450 and 600mg/d were associated with significant improvements in FIQ. Mean differences from placebo at endpoint: 450 mg/d, -5.24 ( $P = .0041$ ); 600 mg/d, -5.34 ( $P = .0034$ ). AEs were dose dependent: dizziness (all pregabalin, 35.8% vs placebo, 7.6%); somnolence (18.0% vs 3.8%).

**Conclusions:** Pregabalin demonstrated robust efficacy, and was safe and generally well tolerated in fibromyalgia patients. PGIC (all dosages) and FIQ (450 and 600mg/d) efficacy confirmed these data's clinical relevance.

### EFFICACY AND SAFETY OF DEXTROMETHORPHAN/QUINIDINE IN TREATING PAINFUL DIABETIC PERIPHERAL NEUROPATHY: RESULTS OF A PHASE III, DOUBLE-BLIND, RANDOMIZED, PLACEBO-CONTROLLED TRIAL

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**Background and aims:** Evaluation of the safety, efficacy and tolerability of dextromethorphan (DM; an N-methyl-D-aspartate receptor antagonist/sigma-1 receptor agonist) plus quinidine (Q; a cytochrome CYP2D6 inhibitor) in patients with diabetic peripheral neuropathy (DPN).

**Methods:** This three-month, double-blind, randomized trial evaluated twice-daily oral 30mg DM/30mg Q (n=131), 45mg DM/30mg Q (n=125), and placebo (n=123) in patients with DPN having daily lower extremity pain for the previous 3 months and scoring  $\geq 2$  on a 5-point Pain Intensity Rating Scale at baseline. The primary efficacy endpoint was the 11-point Pain Rating Scale (PRS) from daily patient diaries (PRS; 0=no pain, 10=worst pain) analyzed using mixed-effects models. Safety/tolerability was evaluated in all patients taking at least 1 dose of study drug; all adverse events (AEs) were recorded.

**Results:** 242 patients (64%) completed the study, and all 379 patients were included in the safety analysis. Both active treatments resulted in lower pain ratings than placebo ( $p < 0.0001$ ). At Day 30, average PRS (least square mean difference) was lower with DMQ 45mg (0.9;  $p < 0.0001$ ) and DMQ 30mg (0.5;  $p < 0.0001$ ) than with placebo; Day 60 and Day 90 average PRS was also significantly lower than placebo in both DMQ groups. The most common AEs were dizziness, nausea, diarrhea, fatigue and somnolence, and were generally mild to moderate in severity. A higher proportion of patients in the treatment groups discontinued due to an AE compared to placebo.

**Conclusions:** DMQ demonstrated significantly superior efficacy than placebo in patients with DPN. Safety was consistent with data from previous clinical studies.