

**BENZON SYMPOSIUM No. 57**  
**ACUTE PAIN - PATHOPHYSIOLOGY AND RISK**  
**FACTORS FOR CHRONIFICATION**  
**OCTOBER 4-7, 2010, COPENHAGEN, DENMARK**

*Organizing committee:*

*Henrik Kehlet (Copenhagen), Troels Staehelin Jensen (Aarhus), Arne Svejgaard (Copenhagen) & Povl Krosgaard-Larsen (Copenhagen)*

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**Scientific program - MONDAY, October 4, 2010**

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**Henrik Kehlet:** Welcome

*INTRODUCTORY OPENING LECTURE*

*Chair: Henrik Kehlet*

**William A. Macrae:** Chronic pain after surgery - how the problem evolved

*Session I BASIC STUDIES - I*

*Chair: Anthony Dickenson*

**Timothy J. Brennan:** Peripheral mechanisms of acute and chronic post-injury pain

**Michael W. Salter:** Central signalling systems in dorsal horn neuroplasticity

**Michaela Kress:** Proinflammatory cytokines and sphingolipids at the crossroad between nociceptors and the immune system

**Jose M. Vela:** Characterization of a new selective sigma-1 receptor antagonist (S1RA) that inhibits neuropathic pain and potentiates opioid analgesia – from rodents to human (*Oral poster*)

*Session II : BASIC STUDIES - II*

*Chair: James Eisenach*

**Philippe Richebe:** Prolonged duration of nerve block to oppose long-term pain vulnerability development in a incisional model of pain in rats (*Oral poster*)

**Raymond Cheung:** Potential role for the alpha-2-delta sub-unit in pain chronification (*Oral poster*)

**Stephen McMahon:** Neurotrophic factors in inflammatory and neuropathic pain

**Gerald F. Gebhart:** Mechanisms of visceral hypersensitivity

**Allan Basbaum:** Specificity in the processing of pain messages

*Panel Discussion : TRANSLATING EXPERIMENTAL DATA TO CLINICAL STUDIES*

*Chair: Henrik Kehlet*

**WA Macrae, TJ Brennan, MW Salter, M Kress, S McMahon & GF Gebhart**

*Posters I : Authors present posters Nos. I-1 to I-12*

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**Scientific program - TUESDAY, October 5, 2010**

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*Session III : CLINICAL STUDIES - I*

*Chair: Timothy J. Brennan*

**Srinivasa Raja:** Persistent pain as a sequel of acute pain: Epidemiology

**Troels Staehelin Jensen:** The clinical presentation of persistent pain and relation to acute pain

**Ralf Baron:** The role of quantitative sensory testing in pain classification?

**Walter Magerl:** Assessment of sensitisation in persistent pain

**Hans J. Gerbershagen:** Preoperative chronic pain and the development of acute and chronic postoperative pain (*Oral poster*)

*Session IV : CLINICAL STUDIES - II*

*Chair: Emeran A. Mayer*

**Madelon L. Peters:** Psychological predictors of chronic post operative pain and suboptimal recovery (*Oral poster*)

**Barbara A. Hastie:** Predicting post-operative pain with a multi-mechanistic model (*Oral poster*)

**Patricia Lavand'homme:** Evaluation of the antihyperalgesic effect of ketamine in elective Cesarean Delivery using dynamic quantitative sensory testing (*Oral poster*)

**Martin Schmelz:** Structural and functional neuronal changes in chronic pain patients

**Irene Tracey:** Imaging pathophysiological and psychological changes underpinning the transition of acute to chronic pain

**C. Richard Chapman:** The acute pain trajectory: A new tool for assessing the risk of postoperative pain chronification (*Oral poster*)

**William Maixner:** Temporomandibular disorders and related conditions

**Emeran A. Mayer:** Generalized persistent pain syndromes

*Posters II : Authors present posters Nos. II-1 to II-20*

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**Scientific program - WEDNESDAY, October 6, 2010**

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*Session V : RISK FACTORS IN SPECIFIC SURGERIES AND DISEASES - I*

*Chair: Stephen McMahon*

**Eija Kalso:** Breast surgery

**Eske K. Aasvang:** Persistent postherniotomy pain

**Henrik Kehlet:** Thoracotomy

**James Eisenach:** Obstetric and gynecologic surgery

**Patrícia R. Pinto:** A prospective study of risk factors for chronic post-surgical pain in women undergoing hysterectomy for benign disorders (*Oral poster*)

*Session VI : RISK FACTORS IN SPECIFIC SURGERIES AND DISEASES - II*

*Chair: Troels Staehelin Jensen*

**Audun Stubhaug:** Chronic pain after breast augmentation is associated with peripheral nerve injury and central changes (*Oral poster*)

**Frederick Perkins:** A systematic review and meta-analysis of persistent pain following sentinel node biopsy compared to axillary node dissection (*Oral poster*)

**Maija Haanpää:** How to prevent postherpetic neuralgia?

**Jes Olesen:** Chronification of headache disorders

**Jennifer A. Haythornthwaite:** Psychosocial contributions to the chronicity of pain

**Roger Fillingim:** Individual differences in pain sensitivity as a risk factor for chronic pain

*Posters III : Authors present posters Nos. III-1 to III-22*

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***Scientific program - THURSDAY, October 7, 2010***

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*Session VII : STRATEGIES FOR TREATMENT AND PREVENTION - I*

*Chair: Michael W. Salter*

**Nanna B. Finnerup**: Update on existing pharmacological treatment in neuropathic pain

**Anthony Dickenson**: Potential new targets in persistent pain: One or multiple mechanisms?

**Stephan A. Schug**: Prevention of phantom limb pain in a routine clinical setting  
*(Oral poster)*

**Asokumar Buvanendran**: Risk factors and mechanisms for persistent postsurgical pain after total knee replacement *(Oral poster)*

**Maarten Loos**: Tailored neurectomy for treatment of postherniorrhaphy inguinal neuralgia *(Oral poster)*

**Timothy J. Brennan**: Preemptive analgesia: Fact or fiction?

*Posters IV : Authors present posters Nos. IV-1 to IV-4*

*Session VIII : STRATEGIES FOR TREATMENT AND PREVENTION - II*

*Chair: Gerald F. Gebhart*

**Julie Bruce**: Development of a framework to establish core risk factor and outcome domains for chronic postsurgical pain studies *(Oral poster)*

**Srinivasa Raja**: Predictors of persistent pain after acute injury

**Ian Gilron**: Strategies for future study designs in chronic pain

*Panel Discussion: THE WAY FORWARD*

*Chair: Allan Basbaum*

**Henrik Kehlet, Troels Staehelin Jensen & Srinivasa Raja**

**Troels Staehelin Jensen**: Closing comments