INTERNATIONAL PhD PROGRAM IN NEUROPHARMACOLOGY
UNIVERSITY OF CATANIA

SUMMER SCHOOL OF NEUROSCIENCE (9)
Nona scuola estiva di Neuroscienze (9)

UNDER THE AUSPICES
OF THE FEDERATION OF EUROPEAN PHARMACOLOGICAL SOCIETIES
(EPHAR)
THE ITALIAN SOCIETY OF PHARMACOLOGY
(SIF)
AND THE ITALIAN SOCIETY OF NEUROPSYCHOPHARMACOLOGY
(SINPF)

July 9-15, 2011

PAIN

Catania
Coro di Notte
Ex Monastero dei Benedettini
Piazza Dante, 32
Scientific Advisory Board

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Medea Communications s.r.l.  
Via Menza 19L - 95126 Catania  
Tel./Fax: +39 095 377412  
e-mail: info@medeacom.com  
web: www.medeacom.com
Saturday July 9\textsuperscript{th}, 2011

14.00-14.45 Registration

14.45-15.00 Opening remarks
\textit{Filippo Drago (Italy)}
\textit{Pier Luigi Canonico (Italy)}

15.00-16.00 Opening lecture (introduced by Filippo Drago)
Migraine: bridging molecular mechanisms to pathophysiology and therapy
\textit{Michael A. Moskowitz (USA)}

\textbf{Pain: general principles}
\textit{Introduced and moderated by Giancarlo Pepeu (Italy)}

16.00-17.00 Painful syndromes: epidemiology and risk factors
\textit{Giustino Varrassi (Italy)}

17.00-18.00 Drugs and pain management: which appropriateness?
\textit{Guido Fanelli (Italy)}

18.00-18.30 Discussion

18.30-19.00 Welcome reception
Sunday July 10th, 2011

**Pain: animal models and genetics**  
*Introduced and moderated by Renato Bernardini (Italy)*

10.00-11.00  Models and mechanisms for hyperalgesia and allodynia  
*Paola Sacerdote (Italy)*

11.00-12.00  Pain and cognition - interrelations and therapeutic implications  
*Carsten T. Wotjak (Germany)*

12.00-13.00  Genes and the dynamic of pain control  
*Helen G. Vossen (The Netherlands)*

13.00-1330  Discussion

**Pain mechanisms**  
*Introduced and moderated by Claudio Bucolo (Italy)*

16.00-17.00  Peripheral mechanisms of pain and analgesia  
*Cristophe Stein (Germany)*

17.00-18.00  Molecular mechanisms of neuropathic pain  
*Mariagrazia Grilli (Italy)*

18.00-18.30  Discussion

18.30-19.30  Special lecture:  
Pain as a channelopathy  
*John Wood (United Kingdom)*

19.30-19.40  Questionnaire
**Monday July 11th, 2011**

**Neurobiology of chronic pain: role of glutamate**  
*Introduced and moderated by Vincenzo Perciavalle (Italy)*

10.00-11.00  Glutamatergic system in the pathogenesis of chronic pain  
*Ferdinando Nicoletti (Italy)*

11.00-12.00  Transcriptional regulation of type-2 metabotropic glutamate receptors: an epigenetic path to novel treatments for chronic pain  
*Santina Chiechio (Italy)*

12.00-12.30  Discussion

12.30-13.30  Sponsored lecture by Grünenthal  
*Grünenthal: Novelty and Innovation for the treatment of pain*  
*Ferdinando Nicoletti; Maurizio Evangelista; Sebastiano Mercadante (Italy)*

**Neuropathic pain: clinical management**  
*Introduced and moderated by Silvana Gaetani (Italy)*

16.00-17.00  Assessment of neuropathic pain in primary care  
*Maija Haanpaa (Finland)*

17.00-18.00  Pharmacological strategies in the management of neuropathic pain  
*Giorgio Cruccu (Italy)*

18.00-18.30  Discussion

18.30-19.30  Special Lecture:  
*Neuropathic pain: translational research and impact for patient care*  
*Ralf Baron (Germany)*

19.30-19.40  Questionnaire
Tuesday July 12\textsuperscript{nd}, 2011

**Neurobiology of pain: role of endocannabinoids**  
*Introduced and moderated by Maria Angela Sortino (Italy)*

10.00-11.00  Endocannabinoid signalling in pain  
*Vincenzo Di Marzo (Italy)*

11.00-12.00  Endocannabinoids, synaptic plasticity and pain control  
*Silvana Gaetani (Italy)*

12.00-12.30  Discussion

**Acute and chronic pain: clinical management (1)**  
*Introduced and moderated by Antonino Gullo (Italy)*

16.00-17.00  Pharmacotherapy of low back pain: targeting nociceptive and neuropathic pain components  
*Bart Morlion (Belgium)*

17.00-18.00  Chronic oro-facial pain: from epidemiology to evidence-based management  
*Vishal R. Aggarwal (United Kingdom)*

18.00-18.30  Discussion

18.30-19.30  Special Lecture:  
Mechanisms of chronic visceral pain: implication for the treatment  
*Ashley Blackshaw (United Kingdom)*

19.30-19.40  Questionnaire
Wednesday July 13rd, 2011

**Neurobiology of pain: new molecular targets for drug discovery**  
*Introduced and moderated by Giovanna M. Scoto (Italy)*

10.00-11.00  **Bv8/Prokineticins and their receptors as new targets in acute and inflammatory pain**  
*Lucia Negri (Italy)*

11.00-12.00  **Role of TRPV1 receptors in pain modulation**  
*Sabatino Maione (Italy)*

12.00-12.30  **Discussion**

12.30-13.30  **Sponsored lecture by Astellas**  
**TRPV1 in pain management: capsaicin 8% as a treatment option**  
*Domenico Quattrone (Italy)*

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**Acute and chronic pain: clinical management (2)**  
*Introduced and moderated by Sabatino Maione (Italy)*

15.00-16.00  **Fibromyalgia syndrome: the pharmacological treatment options**  
*Piercarlo Sarzi-Puttini (Italy)*

16.00-17.00  **Management of postoperative pain**  
*Antonino Gullo (Italy)*

17.00-18.00  **Central post-stroke pain: clinical characteristics, pathophysiology, and management**  
*Henriette Klit (Denmark)*

18.00-18.30  **Discussion**

18.30-19.30  **Special lecture:**  
**Pain in cancer patients: pathophysiology and treatment**  
*Sebastiano Mercadante (Italy)*

19.30-19.40  **Questionnaire**
Thursday July 14th, 2011

**Migraine: neurobiology and genetics**  
*Introduced and moderated by Salvatore Salomone (Italy)*

10.00-11.00  The concept of neurogenic inflammation  
*Pierangelo Geppetti (Italy)*

11.00-12.00  Genetics of migraine  
*Sabina Cevoli (Italy)*

12.00-12.30  Discussion

12.30-13.30  Sponsored lecture by Janssen-Cilag  
Pharmacological therapies reduce the burden of migraine?  
Focus on headache related disability  
*Domenico D’Amico (Italy)*

**Migraine: clinical management**  
*Introduced and moderated by Mario Zappia (Italy)*

16.00-17.00  New insights into migraine: an update on functional and structural imaging findings  
*Luisa Chiapparini (Italy)*

17.00-18.00  Acute treatment of migraine: current strategies and novel pharmacological targets  
*Michel Lanteri-Minet (France)*

18.00-18.30  Discussion

18.30-19.30  Prophylaxis of migraine: current and future therapies  
*Dominique Valade (France)*

19.30-19.40  Questionnaire
Friday July 15th, 2011

**Fibromyalgia**  
*Introduced and moderated by Eugenio Aguglia (Italy)*

10.00-11.00  Etiopathogenetic mechanisms of fibromyalgia syndrome  
*Riccardo Torta (Italy)*

11.00-12.00  Neuroendocrine and autonomic patterns in fibromyalgia syndrome  
*Fabiola Atzeni (Italy)*

12.00-12.30  Discussion

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**Pain and psychiatric comorbidity**  
*Introduced and moderated by Riccardo Torta (Italy)*

16.00-17.00  Depression and pain: conceptual and treatment issues  
*Donatella Marazziti (Italy)*

17.00-18.00  Psychiatric comorbidity and suicide risk in patients with chronic migraine  
*Maurizio Pompili (Italy)*

18.00-18.30  Discussion

18.30-19.30  How to integrate pain treatment in psychiatric patients’ care  
*Marijana Bras (Croatia)*

19.30-19.45  Closing remarks  
*Filippo Drago (Italy)*

19.45-19.55  Questionnaire