

Current trends in Biomedicine

Understanding pain:
from transduction
to sensation

2008

Workshops

Organized
jointly
by the

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**Universidad
Internacional
de Andalucía**

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Scope

Pain is complex and multifaceted, both from the biological and psychological point of view. Our understanding of basic pain mechanisms has advanced tremendously in the last decade, as evidenced by key discoveries in the cellular and molecular mechanisms governing transduction of noxious signals, as well as the identification of novel targets for the treatment of pain. Despite this great progress, many aspects of pain sensation remain poorly understood and improved therapies are still sorely needed. The meeting will focus on recent advances in pain research, analyzing problems at multiple levels of complexity, from single molecules to global brain function. This workshop brings together a range of specialists from various disciplines (e.g. medicine, pharmacology, biochemistry) covering multiple aspects of pain biology, ranging from the structural analysis of signal transduction molecules to the use of imaging technologies to decipher the neural circuits involved in pain sensation. Emphasis will be placed on the discussion of cellular and molecular discoveries that may soon translate into a better diagnosis, evaluation and rational treatment of the many individuals who suffer from a plethora of chronic pain syndromes.

Format of the Workshop

The workshop will bring together 17 invited speakers and a maximum of 50 participants (including speakers). The scientific program will start in the morning of Monday, October 6, and will end around noon on Wednesday, October 8. Ample time for informal discussion will be reserved. Participants will be invited to present a poster.

Venue of the Workshop

The workshop will be held in Baeza, at the "Sede Antonio Machado", a XVII century building turned into a Conference Centre of the Universidad Internacional de Andalucía (UNIA). This Seat includes a recently restored residence, where participants will be accommodated. Baeza is a World Historic Heritage town, renowned for its Renaissance and Gothic buildings.

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Organized by:

David Julius. University of California, San Francisco. San Francisco, USA.

Félix Viana. Instituto de Neurociencias de Alicante, Universidad Miguel Hernández-CSIC. Alicante, Spain.

Speakers

Allan I. Basbaum. Departments of Anatomy and Physiology and W.M. Keck Foundation Center for Integrative Neuroscience, University of California San Francisco. San Francisco, CA, USA.

Carlos Belmonte. Instituto de Neurociencias de Alicante, Universidad Miguel Hernández-CSIC. Alicante, Spain.

M. Catherine Bushnell. Alan Edwards Centre for Research on Pain, Faculties of Medicine and Dentistry, McGill University. Montreal, QC, Canada.

Rachelle Gaudet. Department of Molecular and Cellular Biology, Harvard University. Cambridge, MA, USA.

G.F. Gebhart. Center for Pain Research, Departments of Anesthesiology, Medicine, Neurobiology, and Pharmacology, University of Pittsburgh. Pittsburgh, PA, USA.

Hermann O. Handwerker. Department of Physiology and Pathophysiology, University of Erlangen/Nuremberg. Erlangen, Germany.

Eric Honoré. Institut de Pharmacologie Moléculaire et Cellulaire, CNRS UMR 6097, Université de Nice-Sophia Antipolis. Valbonne, France.

David Julius. Department of Physiology, University of California, San Francisco. San Francisco, CA, USA.

Ramón Latorre. Centro de Neurociencia de Valparaíso, Facultad de Ciencias, Universidad de Valparaíso. Valparaíso, Chile.

Gary R. Lewin. Department of Neuroscience, Max-Delbrück Center for Molecular Medicine and Charité Universitätsmedizin Berlin. Berlin, Germany.

Patrick W. Mantyh. Neurosystems Center and Department of Diagnostic and Biological Sciences, University of Minnesota. Minneapolis, MN, USA.

Félix Viana. Instituto de Neurociencias de Alicante, Universidad Miguel Hernández-CSIC. Alicante, Spain.

Stephen G. Waxman. Department of Neurology and Center for Neuroscience & Regeneration Research, Yale University School of Medicine. New Haven, CT / VA Connecticut Healthcare, West Haven, CT. USA.

Clifford J. Woolf. Neural Plasticity Research Group, Department of Anesthesia and Critical Care, Massachusetts General Hospital and Harvard Medical School. Charlestown, MA, USA.

Megumu Yoshimura. Department of Integrative Physiology, Graduate School of Medical Sciences, Kyushu University. Fukuoka, Japan.

Hanns Ulrich Zöllhofer. Institute of Pharmacology and Toxicology, University of Zurich, and Institute of Pharmaceutical Sciences, ETH Zurich. Zurich, Switzerland.

Mark J. Zyba. Department of Cell and Molecular Physiology, University of North Carolina School of Medicine. Chapel Hill, NC, USA.

**Baeza, Spain
6-8 October 2008**

Deadline:
25 July 2008

Venue:

Sede Antonio Machado
Universidad Internacional de
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More information and application:

[http://www.unia.es/
biomedicineworkshops/
workshops2008.htm](http://www.unia.es/biomedicineworkshops/workshops2008.htm)

