

**2007
WORKSHOPS
CURRENT TRENDS
IN BIOMEDICINE**ORGANIZED JOINTLY BY
THE UNIVERSIDAD INTERNACIONAL DE ANDALUCÍA
AND THE INSTITUTO DE SALUD CARLOS III**DECIPHERING
THE REGULATORY GENOME:
DEVELOPMENT, EVOLUTION
AND DISEASE****BAEZA, SPAIN 8-10 OCTOBER 2007****ORGANIZED BY****THOMAS S. BECKER**

Sars Centre for Marine Molecular Biology, University of Bergen. Bergen, Norway.

FERNANDO CASARES

Centro Andaluz de Biología del Desarrollo (CABD), Universidad Pablo de Olavide-CSIC. Sevilla, Spain.

JOSÉ LUIS GÓMEZ-SKARMETA

Centro Andaluz de Biología del Desarrollo (CABD), Universidad Pablo de Olavide-CSIC. Sevilla, Spain.

**FORMAT OF THE
WORKSHOP**

The workshop will bring together 17 speakers and a maximum of 50 participants (including speakers). The scientific programme will start in the morning of Monday, October 8, and will end around noon on Wednesday, October 10. 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 XV 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.

SCOPE

More than 95% of the human genome sequence is non-coding, i.e. does not instruct the synthesis of proteins. This vast amount of DNA sequence contains the genes for a multitude of non-coding RNAs, as well as DNA sequences directing when, where, and how much each of the proteins and non-coding RNAs will be expressed. At present, we have a remarkably fragmentary and incomplete understanding of how these regulatory sequences operate. This workshop aims at defining the strategies to be followed towards understanding the function of non-coding regulatory DNA in development, evolution and human disease, by gathering some of the leading experts in the field of gene expression regulation, bioinformatics and genomics. The workshop will cover topics such as the development of bioinformatics approaches to identify regulatory sequences and to build regulatory networks, functional comparative genomic and deletion studies, the characterization of regulatory sequences in animal models and other roles of non-coding DNA in development, evolution and genetic diseases.

**DEADLINE:
27 JULY
2007**Universidad Internacional
de Andalucía
Sede Antonio Machado
Palacio de Jabalquinto
Plaza de Santa Cruz, s/n.
23440 Baeza (Jaén), SpainTel: +34 953 74 27 75.
Fax: +34 953 74 29 75.
E-mail: machado@unia.es**SPEAKERS****THOMAS S. BECKER**

Sars Centre for Marine Molecular Biology, University of Bergen. Bergen, Norway.

SHAWN M. BURGESS

Genome Technology Branch, National Human Genome Research Institute, NIH. Bethesda, MD, USA.

PATRICK CHARNAY

INSERM, U784, Ecole Normale Supérieure. Paris, France.

ERIC H. DAVIDSON

Division of Biology, California Institute of Technology. Pasadena, CA, USA.

DENIS DUBOULE

Department of Zoology and Animal Biology and National Research Centre "Frontiers in Genetics", University of Geneva. Geneva, Switzerland.

GREG ELGAR

School of Biological and Chemical Sciences Queen Mary, University of London. London, United Kingdom.

DOUGLAS J. EPSTEIN

Department of Genetics, University of Pennsylvania School of Medicine. Philadelphia, PA, USA.

RODERIC GUIGÓ

Centre de Regulació Genòmica, Institut Municipal d'Investigació Mèdica-Universitat Pompeu Fabra. Barcelona, Spain.

PATRICK LEMAIRE

Institute of Developmental Biology of Marseille Luminy, UMR6216 CNRS-University of the Mediterranean. Marseille, France.

BORIS LENHARD

Bergen Center for Computational Science - Computational Biology Unit, and Sars Centre for Marine Molecular Biology, University of Bergen. Bergen, Norway.

MICHAEL LEVINE

Department of Molecular and Cell Biology, Division of Genetics, Genomics, and Development, Center for Integrative Genomics, University of California, Berkeley. Berkeley, CA, USA.

AXEL MEYER

Department of Biology, University of Konstanz. Konstanz, Germany.

MARCELO A. NOBREGA

Department of Human Genetics, University of Chicago. Chicago, IL, USA.

IVAN OVCHARENKO

Computation Directorate, Lawrence Livermore National Laboratory. Livermore, CA, USA.

LEN A. PENNACCHIO

Genomics Division, Lawrence Berkeley National Laboratory. Berkeley, CA, USA.

UWE STRÄHLE

Institute of Toxicology and Genetics, Research Center Karlsruhe. Karlsruhe, Germany.

VERONICA VAN HEYNINGEN

MRC Human Genetics Unit, Western General Hospital. Edinburgh, United Kingdom.

WORKSHOP COORDINATOR**JOAQUÍN TORREBLANCA**(Universidad Internacional de Andalucía)
E-mail: j.torreblanca@unia.es**MORE INFORMATION
AND APPLICATION**<http://www.unia.es/BiomedicineWorkshops/workshops2007.htm>