

Current trends in Biomedicine

Bacterial Regulatory Networks

2009

Workshops

un

Universidad Internacional de Andalucía

A

Scope

Regulatory networks encompass sets of genes whose expression states are directly altered in response to an activating signal, mediated by combinations of trans-acting regulatory proteins, cis-acting sequences and regulatory RNAs. The elucidation of these network components is an essential step toward the creation of a framework for systems-based analysis of biological processes. Novel approaches that integrate the analysis of transcription mechanisms, signal transduction, in silico and synthetic designs of regulatory circuits are providing insights into bacterial regulatory networks. This is enabling the understanding of how pathogenic bacteria and environmental organisms respond to changes in the environment as well as the construction and characterization of engineered organisms with predictable behaviors.

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 Thursday, November 12th, and will end around noon on Saturday, November 14th. 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.

Organized by:

Bonnie L. Bassler. HHMI, Princeton University. Princeton, USA.

Eduardo A. Groisman. HHMI, Washington University. St. Louis, USA.

Igor Zwir. Universidad de Granada. Granada, Spain.

Speakers

Sankar Adhya. Laboratory of Molecular Biology, National Cancer Institute, NIH. Bethesda, MD, USA.

Bonnie L. Bassler. Department of Molecular Biology, Howard Hughes Medical Institute, Princeton University. Princeton, NJ, USA.

Stephen J.W. Busby. School of Biosciences, University of Birmingham. Birmingham, UK.

Julio Collado-Vides. Programa de Genómica Computacional, Centro de Ciencias Genómicas, Universidad Nacional Autónoma de México. Cuernavaca, Mexico.

Pascale Cossart. Institut Pasteur, Unité des Interactions Bactéries Cellules, Inserm U604, INRA USC2020. Paris, France.

Victor de Lorenzo. Centro Nacional de Biotecnología-CSIC. Madrid, Spain.

Charles J. Dorman. Department of Microbiology, Moyne Institute of Preventive Medicine, School of Genetics and Microbiology, Trinity College. Dublin, Ireland.

Susan Gottesman. Laboratory of Molecular Biology, National Cancer Institute, NIH. Bethesda, MD, USA.

Eduardo A. Groisman. Department of Molecular Microbiology, Howard Hughes Medical Institute, Washington University School of Medicine. St. Louis, MO, USA.

Terence Hwa. Center for Theoretical Biology Physics and Department of Physics, University of California at San Diego. La Jolla, CA, USA.

Michael T. Laub. Department of Biology, Massachusetts Institute of Technology. Cambridge, MA, USA.

Juan Luis Ramos. Departamento de Protección Ambiental, Estación Experimental del Zaidín, CSIC. Granada, Spain.

Luis Serrano. ICREA, EMBL-CRG Systems Biology Unit, Centre de Regulació Genòmica. Barcelona, Spain.

Gary D. Stormo. Department of Genetics, Washington University School of Medicine. St. Louis, MO, USA.

Saeed Tavazoie. Lewis-Sigler Institute for Integrative Genomics, Department of Molecular Biology, Princeton University. Princeton, NJ, USA.

Jörg Vogel. Max Planck Institute for Infection Biology, RNA Biology Group. Berlin, Germany.

Igor Zwir. Departamento de Ciencias de la Computación e Inteligencia Artificial, Escuela Técnica Superior de Ingenierías Informática y de Telecomunicación, Universidad de Granada. Granada, Spain.

Baeza, Spain
12th-14th November 2009

Deadline:
11th September 2009

Venue:
Sede Antonio Machado
Universidad Internacional de Andalucía
Palacio de Jabalquinto
Plaza de Santa Cruz, s/n.
23440 Baeza (Jaén), Spain
Tel: +34 953 74 27 75.
Fax: +34 953 74 29 75.
E-mail: baeza@unia.es

Workshop coordinator:
Joaquín Torreblanca
Universidad Internacional de Andalucía
j.torreblanca@unia.es

More information and application:
<http://www.unia.es/biomedicine>