



**WORKSHOPS**  
**“CURRENT TRENDS IN**  
**BIOMEDICINE”**

**2010**

**SEDE ANTONIO MACHADO**  
**BAEZA, SPAIN**

***PSEUDOMONAS AERUGINOSA:***  
**OPPORTUNISTIC PATHOGEN**  
**AND HUMAN INFECTIONS**

**Baeza, Spain • 8-10 November 2010**

**Organized by:**

**Sophie de Bentzmann** CNRS, Institut de Microbiologie de la Méditerranée. Marseille, France.

**Søren Molin** Technical University of Denmark.  
Lyngby, Denmark.

**Juan Luis Ramos** Estación Experimental del Zaidín,  
CSIC. Granada, Spain.

**SCOPE**

*Pseudomonas aeruginosa*, a Gram-negative environmental species and an opportunistic microorganism, establishes itself in compromised patients, such as those suffering from cystic fibrosis (CF), or hospitalized in intensive care units (ICU). It has become a major cause of nosocomial infections worldwide (about 10% of all such infections in most European Union hospitals) and a serious threat to public health. The overuse and misuse of antibiotics have also led to the selection of multi-resistant *P. aeruginosa* and the emergence of strains resistant to all known antibiotics causing infections that are very difficult to treat. How an environmental species can cause human infections remains a key question that still needs elucidation despite the incredibly high progress that has been made in the *P. aeruginosa* biology in the past decades. The workshop is aimed to present the different recent advances in the environmental life of *P. aeruginosa*, the human *P. aeruginosa* infections, the new animal models to study *Pseudomonas* infections, the new molecular approaches of systems biology including metabolomics, genomics and bioinformatics, and the community lifestyle named biofilm that accounts for *P. aeruginosa* persistence in humans.

## **FORMAT OF THE WORKSHOP**

The workshop will bring together 17 speakers and a maximum of 33-35 participants, to form a group of around 50 people. The scientific programme will start in the morning of Monday, November 8<sup>th</sup>, and will end around noon on Wednesday, November 10<sup>th</sup>. 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.

## **SPEAKERS**

**Fernando Baquero** Hospital Universitario Ramón y Cajal, IMSALUD, CIBER en Epidemiología y Salud Pública (CIBERESP), Unidad de Resistencia a Antibióticos y Virulencia Bacteriana (CSIC). Madrid, Spain.

**Udo Bläsi** Max F. Perutz Laboratories, Department of Microbiology, Immunobiology and Genetics, University of Vienna. Vienna, Austria.

**Sophie de Bentzmann** Laboratoire d'Ingénierie des Systèmes Macromoléculaires, UPR9027, CNRS, IMM. Marseille, France.

**Alain Filloux** Imperial College London, CMMI, Division of Cell and Molecular Biology. London, UK.

**Suzanne M. J. Fleiszig** Programs in Microbiology, Infectious Disease & Immunity, and Optometry & Vision Science, University of California, Berkeley. Berkeley, CA, USA.

**Michael Givskov** Department of International Health, Immunology and Microbiology, University of Copenhagen. Copenhagen, Denmark.

**Joanna B. Goldberg** Department of Microbiology, University of Virginia. Charlottesville, VA, USA.

**Dieter Haas** Département de Microbiologie Fondamentale, Université de Lausanne. Lausanne, Switzerland.

**Susanne Häussler** Chronic Pseudomonas Infection Research Group, Helmholtz Center for Infection Research. Braunschweig, Germany.

**Rob Lavigne** Biosystems Department, Katholieke Universiteit Leuven. Leuven, Belgium.

**Søren Molin** Department of Systems Biology, Technical University of Denmark. Lyngby, Denmark.

**Patrick Plésiat** Centre National de Référence de la Résistance aux Antibiotiques: Laboratoire associé *Pseudomonas aeruginosa*, Hôpital Jean Minjoz. Besançon, France.

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



**Pradeep K. Singh** Departments of Medicine and Microbiology,  
University of Washington. Seattle, WA, USA.

**David A. Stoltz** Department of Internal Medicine, Roy J. and  
Lucille A. Carver College of Medicine, University  
of Iowa. Iowa City, IA, USA.

**Burkhard Tümmler** Department of Pediatrics OE6710, Hannover  
Medical School. Hannover, Germany.

**Paul Williams** School of Molecular Medical Sciences, Centre for  
Biomolecular Sciences, University of Nottingham.  
Nottingham, UK.

**DEADLINE: 10 SEPTEMBER 2010**

**WORKSHOP COORDINATOR:**

**Joaquín Torreblanca** (Universidad Internacional de Andalucía)  
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**MORE INFORMATION AND APPLICATION:**

<http://www.unia.es/biomedicine>



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