

WORKSHOPS "CURRENT TRENDS IN BIOMEDICINE" 2023

SEDE ANTONIO MACHADO BAEZA, SPAIN

THE CELLULAR AND METABOLIC BASES OF ORGAN FIBROSIS

Baeza, Spain • 9th-11th October 2023





Organized by:

Santiago Lamas Madrid, Spain.

Katalin Susztak Philadelphia, USA.

SCOPE

Fibrosis results from an unbalanced cellular response to inflammation and wound healing leading to the activation of specific subpopulations of resident mesenchymal cells. These transition into myofibroblasts, which generate extracellular matrix that replaces the cellular living tissue. While major advances regarding mechanistic knowledge on the underlying cell biology alterations in fibrosis have helped to characterize the main phases and mediators involved, this knowledge has not yielded significant progress in treatment. Cells associated to both the innate and adaptive immune responses exhibit specific metabolic signatures when becoming activated. These changes in metabolism have profound functional consequences for the process involved, ultimately dictating its success or failure. Thus, the original inflammatory insult triggers a shift in the metabolic profile that results crucial for the resolution or absence of acute inflammation. This scenario has expanded to chronic inflammation and chronic diseases with underlying fibrosis, affecting almost every organ, and fostering the interest of the clinical arena in chronic kidney disease, liver cirrhosis or pulmonary fibrosis. The workshop purports to bring together a group of scientists developing frontier research in the biomedicine and biology of inflammation and fibrosis with a focus on new methodological developments in metabolomics and new therapeutic strategies.



FORMAT OF THE WORKSHOP

The workshop will bring together a maximum of 15 speakers and 35 participants, to form a group of around 50 people. The scientific programme will start in the morning of Monday, October 9th, and will end around noon on Wednesday, October 11th. 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 residence, where participants will be accommodated. Baeza is a World Historic Heritage town, renowned for its Renaissance and Gothic buildings.

SPEAKERS

Maria C. Basil Department of Medicine; Penn-CHOP Lung

Biology Institute. Perelman School of Medicine / Penn Cardiovascular Institute. University of

Pennsylvania. Philadelphia, PA, USA.

Isabel Fabregat Biomedical Research Networking Center in

CIBER in Hepatic and Digestive Diseases (CIBEREHD), ISCIII. Madrid / Oncobell Program, Bellvitge Biomedical Research Institute-

IDIBELL. L'Hospitalet (Barcelona); Spain.

Benjamin D. Humphreys Division of Nephrology, Department of Medicine, Washington University in St. Louis. St. Louis, MO, USA.



Pinelopi P. Kapitsinou Feinberg Cardiovascular Research
Institute / Division of Nephrology &
Hypertension / Department of Medicine and
Robert H. Lurie Cancer Center; Northwestern
University Feinberg School of Medicine. Chicago,
IL, USA.

Rafael Kramann Institute of Experimental Medicine and Systems

Biology and Division of Nephrology and Clinical Immunology, RWTH Aachen University Medical

Faculty. Aachen, Germany.

Santiago Lamas Program of Physiological and Pathological

Processes, Centro de Biología Molecular "Severo

Ochoa" (CBMSO, CSIC-UAM). Madrid, Spain.

Nuria Montserrat Pluripotency for Organ Regeneration, Institute for

Bioengineering of Catalonia (IBEC), The Barcelona Institute of Science and Technology (BIST) / Catalan Institution for Research and

Advanced Studies (ICREA). Barcelona, Spain.

Ana Pardo-Saganta Laboratory of Lung Inflammation and Repair,

Institute for Lung Health (ILH), Justus Liebig University (JLU), Universities of Giessen and Marburg Lung Center (UGMLC), German Center for Lung Research (DZL), Giessen, Germany

for Lung Research (DZL). Giessen, Germany.

Ton J. Rabelink Department of Internal Medicine (Nephrology) /

Einthoven Laboratory of Vascular and Regenerative Medicine / The Novo Nordisk Foundation Center for Stem Cell Medicine (reNEW); Leiden University Medical Center.

Leiden, The Netherlands.



Paola Romagnani Department of Experimental and Biomedical

Sciences "Mario Serio" and Nephrology and Dialysis Unit, Meyer Children's University

Hospital. Florence, Italy.

Marta Ruiz-Ortega Cellular Biology in Renal Diseases Laboratory,

IIS-Fundación Jiménez Díaz-Universidad

Autónoma. Madrid, Spain.

David Sancho Immunobiology Laboratory, Centro Nacional de

Investigaciones Cardiovasculares (CNIC).

Madrid, Spain.

Katalin Susztak Renal, Electrolyte, and Hypertension Division,

Department of Medicine / Institute for Diabetes, Obesity and Metabolism / Department of Genetics; Perelman School of Medicine, University of Pennsylvania. Philadelphia, PA,

USA.

Victor J. Thannickal John W. Deming Department of Medicine,

Tulane University School of Medicine, and the South Louisiana Veterans Health Care System.

New Orleans, LA, USA.

Rebecca G. Wells Department of Bioengineering / Center for

Engineering Mechano Biology / Department of Medicine; University of Pennsylvania.

Philadelphia, PA, USA.

DEADLINE: 21st JULY 2023

MORE APPLICATIONS WILL BE ACCEPTED IN CHRONOLOGICAL ORDER UNTIL COMPLETING THE WORKSHOP



MORE INFORMATION AND APPLICATION:

http://www.unia.es/biomedicine

workshops.biomed@unia.es

Universidad Internacional de Andalucía Sede Antonio Machado Palacio de Jabalquinto Plaza de Santa Cruz, s/n. 23440 Baeza (Jaén), Spain

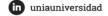
Tel: +34 953 74 27 75. Fax: +34 953 74 29 75. E-mail: baeza@unia.es











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