



**WORKSHOPS**  
**“CURRENT TRENDS IN**  
**BIOMEDICINE”**  
**2023**

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

**THE CELLULAR AND**  
**METABOLIC BASES OF**  
**ORGAN FIBROSIS**

**Baeza, Spain • 9<sup>th</sup>-11<sup>th</sup> 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 9<sup>th</sup>, and will end around noon on Wednesday, October 11<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 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.
- 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: 21<sup>st</sup> 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](mailto: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](mailto:baeza@unia.es)**



 @UNIAuniversidad

 UNIAAndalucia

 uniauniversidad

[www.unia.es](http://www.unia.es)

