

CA18125 AERoGELS COST Action Meeting



International Conference on Aerogels for Biomedical and Environmental Applications

18-20 February 2020

Santiago de Compostela (Spain)

ORGANIZED BY:



Venue

Faculty of Medicine
University of Santiago de Compostela (USC)
Rúa de San Francisco, s/n
Santiago de Compostela, Spain (ES)
GPS: 42°52'N 8°32'W

Organizing Committee

Carlos A. García-González (Chair, Univ. Santiago de Compostela, ES)
Carmen Alvarez-Lorenzo (Univ. Santiago de Compostela, ES)
José Antelo (ABCR Labs, ES)
Inés Ardao (Univ. Santiago de Compostela, ES)
Beatriz Magariños (Univ. Santiago de Compostela, ES)
Rosana Simón (Univ. Vigo, ES)
Irina Smirnova (Technical Univ. Hamburg, DE)
Eugenio Solla (Univ. Vigo, ES)

Important dates

Abstract submission deadline: **1 November 2019**
Abstract decision: 1 December 2019
Early bird registration: 10 January 2020

Conference website

<https://cost-aerogels.eu/activities/events/>

Contact details

Conference Secretariat:
For scientific issues, aerogels2020@gmail.com
For registration issues, info@flucomp.es

Scientific Committee

Mohammad Alnaief (German Jordanian Univ., JO)
Tatiana Budtova (Mines ParisTech, FR)
Pasquale Del Gaudio (Univ. Salerno, IT)
Luísa Durães (Univ. Coimbra, PT)
Can Erkey (Koç University, TR)
Matthias Koebel (EMPA, CH)
Falk Liebner (BOKU University, AT)
Angel Martín (Univ. Valladolid, ES)
Natalia Menshutina (MUCTR, Russia)
Barbara Milow (DLR, DE)
Monica Neagu (Victor Babes Institute, RO)
Patrina Paraskevopoulou (Univ. Athens, GR)

About AERoGELS COST Action

AERoGELS (*Advanced Engineering and Research of aeroGels for Environment and Life Sciences*) Action aims to boost the development of aerogels for biomedical and environmental applications by setting up a multidisciplinary knowledge-based network from technological, scientific and market points of view. AERoGELS embraces more than 150 public research institutions and companies from 40 countries.

More information: <https://cost-aerogels.eu>

About Santiago de Compostela

Santiago de Compostela is the capital of the Autonomous Community of Galicia (NW of Spain). It is declared a World Heritage City by UNESCO thanks to its monumental beauty. The Cathedral of Santiago de Compostela is the final destination of a thousand-year-old pilgrim-route: the Way of St. James.

Aims & Scope

Aerogels are unique **nanostructured porous materials with special properties** adapted to fit certain advanced applications. Among the emerging market opportunities, aerogel-based materials can be used in **biomedical applications**, such as drug carriers, synthetic bone grafts for regenerative medicine and advanced wound dressings, or for **environmental applications** in heat and sound insulators, as well as absorbents, adsorbents, sensors and catalysts for wastewater treatment and for air and water pollutants detection.

This conference aims at **assembling and integrating** the most **recent scientific-technological knowledge in aerogels** and other nanostructured materials on a wide range of fundamental topics (novel designs, processes, modelling tools, characterization technique) and applied for biomedical and environmental uses. It also aims at **strengthening** and creating new ties and collaborations in the **aerogel community** all over the world.

Networking among conference participants will be favored through specific working group meetings, coffee breaks, poster sessions, meals, sponsor booths and social events. Finally, early-career investigators (ECIs, i.e. PhD students and young postdoctoral scientists) will have specific sessions within the programme to give more visibility to their research.



Topics covered

- Aerogels for biomedical (pharmaceutical, regenerative medicine, cosmetics) and food applications
- Aerogels for environmental (pollutant detection, remediation) applications
- Bio-based aerogels from biorefinery and circular economy approaches
- Characterization techniques and modelling of aerogels
- Innovative processing technologies for aerogel-based materials
- Life cycle and health risk assessments of nanostructured materials
- Other nanostructured materials (hydrogels, functional nanoparticles, dendrimers, zeolites, MOFs...) for biomedical and environmental applications
- Scale-up and industrial uses of aerogels

Programme

Thursday, 20th February 2020

9:30 - 10:20	Plenary 3
10:20 - 11:20	ECIs forum 3 *
11:20 - 11:50	Coffee break + Poster session
11:50 - 13:20	Working group meetings
13:20 - 14:00	Lunch
14:00 - 16:30	Working group meetings
16:30 - 17:00	Closure meeting

* - In parallel:
AEROGELS MC-meetings (MC-members only)

Wednesday, 19th February 2020

9:30 - 10:20	Plenary 2
10:20 - 11:20	Oral session 5
11:20 - 11:50	Coffee break + Poster session
11:50 - 13:00	Oral session 6
13:00 - 14:30	Lunch
14:30 - 16:20	Oral session 7 & 8
16:20 - 16:50	Coffee break + Poster session
16:50 - 18:10	ECIs forum 2
20:00 -	Gala dinner

Tuesday, 18th February 2020

8:30 - 9:15	Registration
9:15 - 9:30	Opening ceremony
9:30 - 10:20	Plenary 1
10:20 - 11:20	Oral session 1
11:20 - 11:50	Coffee break + Poster session
11:50 - 13:00	Oral session 2
13:00 - 14:30	Lunch
14:30 - 16:20	Oral session 3 & 4
16:20 - 16:50	Coffee break + Poster session
16:50 - 18:10	ECIs forum 1
18:10 -	City tour and tapas dinner