

# acorn

A nanoparticle-based therapeutic applications and detection of Carbon monoxide Releasing molecules

## Summer School and Thematic Workshop

Praia Verde, Algarve 19-22 October 2020

### Summer School

#### Lectures

- Gasotransmitters Physiology and Pathophysiology
- Fluorescent Probes for Monitoring CO in Living Cells
- Developing/Commercializing Biomarker Assays
- Toxicology of Metallic Compounds
- Regulatory Affairs
- Non-Metallic CORMs
- Computer-Aided Design of CORMs
- Smart Nanomaterials and Nanomedicines
- Pharmaceutical Development of CORMs

#### Entrepreneurship training

### Thematic Workshop

#### Lectures

- The anti-inflammatory properties of CO and CORMs
- Endogenous production CO and the role of CORMs
- Heme-oxygenase and cellular targets of CO
- The catabolism of endogenous carbon monoxide
- Reactive oxygen species and CO: regulators of inflammation
- Anti-inflammatory effects
- Dysregulation, disease and the potential therapeutic use of CO and CORMs

#### Poster Sessions

### The Industrial Day

Academic and industrial partners sharing interests in nanochemistry applications.

### Knowledge Transfer Zone

How to bring innovation to the market.

#### Consortium



Percuros

Pilotality



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 807281