

# Advanced Organic Synthesis and Applications

Seminarios Avanzados del Máster y Doctorado “Química Sintética e Industrial”

Carlos Santamaria University Library, Gipuzkoa Campus, March 6, 2025

9:25 **Opening**

9:30 **Prof. Sonsoles Martín-Santamaría** Centro de Investigaciones Biológicas, CSIC, Madrid

*Multiscale simulations: from micelles to membranes and liposomes*

10:20 **Oral Communications**

**Josebe Hurtado** Department of Organic and Inorganic Chemistry, UPV/EHU - Leioa

*Enantioselective synthesis of chiral alkylidene cyclobutanes and subsequent axial to point chirality transfer*

**Shan He** Department of Organic and Inorganic Chemistry, UPV/EHU - Leioa

*HOMER.PTML models in drug discovery and personalized medicine*

**Lucie Eisen** Sanofi (Frankfurt) & Department of Organic Chemistry I, UPV/EHU - Donostia

*Late-stage functionalization of pyrazole scaffolds for the synthesis of lead-like building blocks*

**Constantinos Kyriacou** Department of Organic Chemistry I, UPV/EHU - Donostia

*Fe-catalyzed stereoselective acylation of DHa*

**Karen Contreras-Muñoz** Instituto de Biofísica (CSIC), Dep. Bioquímica y Biología Molecular (UPV/EHU) - Leioa

*Fluorinated Au nanoparticles as OFF/ON probes for enzyme detection for <sup>19</sup>F-MRI*

11:15 **Coffee break** (Cafetería Aulario)

12:00 **Dr. Leyre Marzo** Universidad Autónoma de Madrid

*Visible light photocatalysis as a synthetic tool for the construction of new C-C bonds*

12:50 **Prof. Manuel A. Fernández-Rodríguez** Universidad de Alcalá de Henares

*Metal-free electrophilic cyclizations of enynes: Sustainable synthesis of polycyclic building blocks*

13:40 **Closing**

