

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 Biofisika (CSIC), Dep. Bioquímica y Biología Molecular (UPV/EHU) - Leioa
Fluorinated Au nanoparticles as OFF/ON probes for enzyme detection for ¹⁹F-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**

