

**24 de Septiembre; 11:00h.
Sala de Conferencias, Edificio I+D**

"Hybrid nanomedicines for biomedical applications"

Abstract: The recent cutting-edge advances on nanomaterials is anticipated to overcome some of the therapeutic window and clinical applicability of many drug/peptide molecules and can also act as innovative theranostic platform and tool for the clinic in the future. In this work, prominent nanosystems, such as nanocomposites made of different nanoparticles and cell-based membrane materials are presented and discussed as potential platforms for the individualization of medical intervention. These nanocomposites are promising advanced drug delivery technologies for different biomedical applications. Examples on how these nanocomposites can be prepared and scaled-up, as well as how they can be used to enhance the drug's targetability, intracellular drug delivery, and theranostic applications, will also be presented and demonstrated.

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- Head of Nanomedicines and Biomedical Engineering Group
 - Head of Division of Pharmaceutical Chemistry and Technology
 - Director of Doctoral Programme in Drug Research
 - Head of Preclinical Drug Formulation and Analysis Group
 - Chair of Controlled Release Society Focus Group in Nanomedicine and Nanoscale Delivery
 - ERC Starting Grant for 2013-2017; ERC PoC Grant for 2018-2019.
 - 2016 Academy of Finland Award for Social Impact
 - Journal Editor: Open Material Sciences (<https://www.degruyter.com/view/j/oms>)
 - Academic Editor: PLOS ONE, Journal of Healthcare Engineering, and BioMed Research International
 - Editorial Advisory Board Member:
 1. Drug Delivery Letters
 2. Current Nanoscience
 3. Pharmaceutical Nanotechnology
 4. AIMS Materials Science
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