



Nombre:Jorge Rubio Retama

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Posición y cargo: Profesor Titular de Universidad

Grupo de Investigación: Grupo de Investigación MatNaBio

Docencia: Grado en Farmacia.

Área de Conocimiento: Química Física

SCOPUS: 6505957554 **ORCID:**0000-0002-1785-5844**Researcher ID:** L-4262-2014

https://scholar.google.es/citations?hl=es&user=q7HK8CMAAAAJ&view_op=list_works&sortby=pubdate

Biography:

Jorge Rubio Retama was born in Madrid, Spain, in 1977. He received his PhD at the University Complutense of Madrid (UCM) in 2005. After a postdoctoral stage at the Leibniz Institute für Polymerforschung Dresden e.V. (Dresde, Germany), he joined to the Faculty of Pharmacy of the UCM, where he holds a position as Associate Professor. He carries out his research in the field of hybrid nanoparticle for biological applications, paying special attention in the design and synthesis of upconverting photoluminescent nanoparticles for RNA/DNA sensing and imaging contrast agents based on NIR-II emissors. He has published more than 80 papers, reviews, books, book chapters and patents (index h = 23). He lead several research projects on this frame. Currently he is involved in the development of nano-tracers for diagnosis and treatment of infarcted and cancerous tissues.

Research Interest:

Nanoparticles synthesis and functionalization, drug delivery systems, fluorescence, RNA/DNA detection and diagnosis.