



Nombre: Rafael Castillo Romero

Email: rafcas01@ucm.es

Teléfono de contacto: 913941866

Posición y cargo: Contratado Postdoctoral CIBER

Grupo de Investigación: Grupo de Investigación en Biomateriales Inteligentes (GIBI)

Docencia: Grado en Farmacia.

Área de Conocimiento: Química Inorgánica

ORCID: 0000-0003-1957-3098

Researcher ID: L-2854-2014

Biography: Rafael Castillo has experience in both organic chemistry and nanomaterials. He obtained his PhD at Universidad de Alcalá under the supervision of Prof. Álvarez-Builla, during this period he worked on catalytic boron-promoted Suzuki-Miyaura cross coupling, radical reactions and synthesis of bioactive compounds. Then he joined Prof. Arseniyadis group in the “Institut de Chimie des Substances Naturelles” at the French national research institution (CNRS) where he worked with Lead-promoted synthesis of stereodefined oxygen heterocycles throughout domino reactions. After that postdoctoral stage he joined the group of Prof. Carretero at Universidad Autónoma de Madrid, where he worked on directed C-H activations. Finally, in 2014 he joined the group of Prof. Vallet, a worldwide expert on the use of mesoporous silica for biomedical applications. In this stage, his interests have shifted to the development of functional silica-based nanosystems and targeting elements for drug delivery nanosystems.

Research Interest: Nanomaterials. Bioactive ligands. Medicinal chemistry. Organic synthesis.