



Nombre: Yurena Luengo Morato

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Posición y cargo: Personal Docente Investigador

Grupo de Investigación: Investigador postdoctoral en el Grupo de '[NanoBioTecnología para Ciencias de la Vida](#)' (NBT4LS)

Área de Conocimiento: Química Física

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Biography: Dr Luengo graduated in Chemistry from the Complutense University of Madrid in 2011. In 2012, she received the master's degree in Science and Technology of Colloids and Interfaces at the Pablo de Olavide University in Seville. In 2017 she obtained her PhD (carried out at the Madrid Institute of Materials Science and financed by an FPI scholarship) at the Autonomous University of Madrid with excellent Cum Laude and international mention. She did a 4 month stay at the Scanning Electron Microscopy Group of Materials Science and Technology Division at Oak Ridge National Laboratory (Oak Ridge, TN, USA). From 2017 to 2019, she was postdoctoral researcher at Imdea Nanoscience Foundation working on the European Project NoCanTher. Her scientific production encompasses 11 publications in high impact factor ISI journals (Q1: >90%) and a book chapter. Her publications have been cited 312 times with an h-index of 6 according to Scopus. She participated in 7 R+D+i competitive national and international projects, 27 national and international conferences, as well as in different scientific dissemination activities and have supervised the laboratory practices of 3 students.

Research Interest: The research activity of Dr. Luengo is characterized by a multidisciplinary vision that ranges within Physical and Bioinorganic Chemistry, Nanobiotechnology, Bionanomaterial science or Nanomedicine. It mainly focuses on the synthesis of nanomaterials by chemistry methods, control of particle size, coating and surface functionalization with different molecules, structural, colloidal and magnetic characterization and evaluation for biomedical applications such as magnetic hyperthermia and magnetic resonance imaging. The purpose of the nanomaterials was its application in the field of biomedicine, so she has actively involved in collaborations in which different cell lines have used to evaluate their toxicity and internalization.