



Nombre: Ismael López Duarte

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Posición y cargo: Profesor Ayudante Doctor

Grupo de Investigación: Miembro del Grupo de Investigación y Transferencia en Biotecnología y Materiales Aplicados (TRANSBIOMAT)

Docencia: Grado en Farmacia.

Área de Conocimiento: Química Física, Química Orgánica, Sondas Moleculares basadas en Colorantes Orgánicos.

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Biography:

I received my PhD (Sobresaliente “Cum Laude” with “European Doctorate Mention”) in April 2010 at Autonomía University of Madrid under supervision of Prof. T. Torres and Prof. M. V. Martínez Díaz (FPU scholarship). My doctoral work was based on the synthesis of novel systems based on phthalocyanines and their incorporation into supramolecular and polymeric structures for molecular photovoltaics (Premio Extraordinario de Doctorado, Premio a la mejor Tesis en Química en la Comunidad de Madrid y Premio NANOMATMOL). In May 2010 I joined the group of Prof. H. Anderson FRS at University of Oxford as Marie Curie IEF fellow. From October 2012 to February 2014, I worked as Research Associate in the group of Prof. M. Kuimova at Imperial College London. In March 2014, I was appointed Research Associate in the group of Prof. Milanesi at Queen Mary University of London. In March 2015 I joined the group of Prof. Torres at Autonomía University of Madrid to conduct research on the development of near-infrared organic dyes for applications in Multiphoton Microscopy (SHG and NIR Fluorescence), Theranostics and Photodynamic Therapy, with a central theme of establishing relationships between molecular design, synthetic methodology and performance. Since November 2021 I am Assistant Professor (Profesor Ayudante Doctor) in the Department of Chemistry in Pharmaceutical Sciences (Pharmacy Faculty) at Complutense University of Madrid. I am co-author of 36 publications (h-index of 21) and I have participated as researcher in several international and national R&D projects.

Research Interest:

Physical and Organic Chemistry, Molecular Probes, Organic Dyes, Molecular Rotors.