

***Nucleophilic Boron: New Opportunities
for Carbon-Boron Bond Formation***

Dr. Mariola Tortosa

Universidad Autónoma de Madrid (Spain)

Friday 8th November, 2013. ICIQ Auditorium, 12 p.m.

Professional career



Mariola Tortosa obtained her B.S. in Chemistry from the Universidad Autónoma de Madrid (UAM) in 1999. She then joined the group of Dr. R. Fernández de la Pradilla at the Instituto de Química Orgánica General (Madrid, Spain) to carry out her graduate work on the development of new asymmetric methods using chiral sulfoxides. In 2004, she received the Lilly Award for PhD students. In 2005, she moved to The Scripps Research Institute in Florida (USA) to work as a Postdoctoral Fellow with Prof. William Roush. Her research in Florida was directed toward completion of the total synthesis of the antitumor agent Superstolide A using a transannular Diels–Alder strategy. In 2008 she returned to the Instituto de Química Orgánica General (Madrid, Spain) with a Juan de la Cierva contract. Since 2011, she is at the Universidad Autónoma de Madrid as a Ramón y Cajal Fellow. More recently, she received the ERC-Starting Grant awarded by the European Research Council.

Research Interests

Her research interests include boron chemistry, asymmetric catalysis and the synthesis of natural products.