

Functional A₃B Porphyrins: Synthesis, Supramolecular Chemistry and Photocatalytic Activity in Complex Biological Media

Speaker:

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Time: 16:00–17:00

Venue: B305 room, School of Science



Porphyrins are versatile molecular platforms with many applications in the chemical and biological sciences, but their synthesis and purification often pose considerable challenges that limit their use. Our quest to create porphyrin-based supramolecular materials resulted in the development of a facile route to an A₃B synthon, which can be further functionalized with ease. In this talk I will reveal how it was used to prepare a high-molecular-weight cross-link and the consequences of the resulting structure on the supramolecular assembly. The utility of the A₃B porphyrin in the photocatalytic activity of single-chain polymeric nanoparticles will also be discussed.

