

Things in a New Light: A Tale of Controlling and Using Fluorophores and Photoactive Molecules

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In the seminar I will cover the main research lines of our group at the University of Huelva. Our interests range from (a) fluorescent molecules that communicate logic decisions via (b) using photoactive compounds in supramolecular chemistry in aqueous solution to (c) the development and characterization of fluorescent probes and sensors, often containing boron as key element.

Biographical Sketch

Dr. Uwe Pischel was born in Frankfurt (Oder), Germany, in 1973. He received the Diploma in Chemistry from the *Humboldt-Universität Berlin* in 1998 and was awarded with the PhD degree from the *Universität Basel* in 2001. After a short stay as DFG postdoctoral fellow at the *Universidad Politécnica de Valencia* (2002) he started his independent career at the *Universidade do Porto* (Portugal) in 2003 and moved later on as Ramon y Cajal Fellow to Valencia and in 2007 finally to the *Universidad de Huelva*. There he was promoted to *Profesor Contratado Doctor* of Organic Chemistry (2009) and later to Associate Professor (2012). Since 2015 he holds the National Habilitation for Full Professor (*Catedrático*).

In 2003 he was awarded the Weller Prize of the Photochemistry Division of the German Chemical Society and in 2013 the Grammaticakis-Neumann Prize of the Swiss Chemical Society.

Dr. Pischel's main research lines are the development of molecular switches and fluorescent devices for nanoscale information processing, supramolecular photochemistry, and the design of boron-containing fluorophores for applications in bioimaging and sensing. In these fields he has published *ca.* 90 articles and delivered invited lectures at international conferences. He has actually an h-index of 29.