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Posición y cargo: Catedrático de Química Física

Grupo de Investigación: Materiales Nanoestructurados Bioactivos

Docencia: Física y Fisicoquímica Aplicadas a Farmacia en el Grado en Farmacia

Área de Conocimiento: Química Física

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Biography: Enrique José López Cabarcos obtained his doctorate at University Complutense of Madrid (UCM), under the supervision of Dr. Salvador Fernandez Bermudez (CSIC). After a postdoctoral stay in the group of Professor H.G. Zachmann, University of Hamburg (Germany), he joined the Faculty of Pharmacy of the UCM as Associate Prof. He is currently full professor of Physical Chemistry and director of the research group Bioactive Nanostructured Materials (MATNABIO). He is author of more than 200 articles in renowned journals and books, and about 15 patents (1 in operation by Histocell SL, 3 licensed, and 5 with PCT extension). He was visiting Professor at Boston University (1995-96), at University of California in Santa Cruz (2004-05), 6 months at University of California in Santa Barbara (2000), and 6 months at IBM Almaden Research Center (1995). Member of the Scientific Advisory Committee of the European Synchrotron Radiation Facility (1991-93, and a second time 1994-96). Spanish Representative in the Megascience Forum of the OCDE (1993). Spanish Representative in the Steering Committee of the Institut Laue Langevin (1993). Member of the Council of the European Synchrotron Radiation Society (1993-97). Member of the Councils of the Spanish Royal Society of Physics (1998-2009) and of the Spanish Royal Society of Chemistry (2001-09). Member of the Subcommittee 9 of the Scientific Council of Institut Laue Langevin (2011-14). Member of the Management Committee of the COST Action CM1101 (2012-16). Chairman of the European Colloid and Interface Society Meeting, ECIS 2017.

Research Interest: His research interests were focused on synchrotron and neutron radiation techniques, polymers and gels, microgels, biosensors, calcium phosphate cements, hybrid materials based on nanoparticles, and upconversion nanoparticles. He is currently interested in the physicochemical laws that determine the structure of the Solar System.