PhD Thesis on 'Multifunctional Metallic Nanoparticles Based on Bioplatforms. Nanobiomedical Applications' at Inorganic Chemistry Department – Granada University:

A four-year position is available for Graduate Students to work towards a PhD Thesis on *Multifunctional Metallic Nanoparticles Based on Bioplatforms. Nanobiomedical Applications*. The position is open at the *Ferritin-Nanoparticles Group* lead by Prof. José Manuel Domínguez Vera at Inorganic Chemistry Department in Granada University (see http://www.ugr.es/~josema/). The job is funded by a Grant from the Spanish MICINN (Ministry of Science and Innovation).

Duration: 4 years.

Requirements: The candidates must have a University Degree enabling them to enroll into a Master Program at a Spanish University. This degree should be in Chemistry, Biochemistry or Materials Science.

Aim: To prepare a batch of multifunctional water soluble nanoprobes of major interest in the biomedical field as a potential tool in multimodal imaging technology (Magnetic Resonance Imaging MRI, Single Photon Emission Computed Tomography SPECT or/and Optical Imaging) for the early detection of various cancers. Cell culture of multifunctional nanoparticules will be also carry out to study the potential internalization of these nanoprobes in different cancerous cell lines.

Contract conditions:
During the first two years: a fellowship with a salary of around 1140 euros/month (before taxes)
During the last two years: a work contract with a salary of 16400 euros/year (before taxes).

Starting Date: Around July, 2010.

Applications: Interested candidates should contact Prof. José Manuel Domínguez Vera (josema@ugr.es). The application should include: a full updated CV. A 'student record' from the University, including marks.