Postdoctoral Fellowship in Small Animal PET Imaging

● **Job description**

A postdoctoral position is available at the Institute of Corpuscular Physics (*IFIC*), in Valencia, Spain. The project will be carried out in collaboration with the Nuclear Medicine Department of the *Technsiche Universität München* (Germany), and the Departments of Electrical and Computing Engineering, and of Nuclear Medicine and Radiobiology of the *Université de Sherbrooke* (Québec, Canada).

The research will focus on detector scatter in Small Animal PET. The successful candidate will be engaged in modelling and processing detector scatter and in developing advanced image reconstruction techniques which should account for detector scatter at low energies. The prototype scanners MADPET (Munich) and LabPET (Sherbrooke) will be used for testing.

The position will be available from December 2007.

● **Qualifications and experience**

Qualified candidates should have a Ph.D. degree in physics, mathematics, computer science, bioengineering or related fields. The candidate should have demonstrated experience in Medical Imaging. A strong background in Emission Tomography, Monte Carlo simulations, mathematical modeling of biomedical image data, signal processing algorithms, or/and in image reconstruction is highly desirable. Applicants should be familiar with the physics of ionizing radiation, especially with Compton scattering.

Spanish knowledge is not required.

● **Contract**

An initial contract of 1 year will be offered to the successful candidate. This can be renewed, depending on circumstances at the time of review.

● **Contact**

Interested applicants should send a CV and a brief statement of research goals to:

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