POST-DOCTORAL POSITIONS

In The Laboratory of Functional Genetics

GIGA RESEARCH CENTRE/ UNIVERSITE DE LIEGE/LIEGE-BELGIUM

Post-doctoral positions are open in 2011 for highly motivated individuals to join the **Laboratory of Functional Genetics** at the GIGA Research Centre, Université de Liège, Liège, Belgium. The positions are open for 2 (+2) years.

The projects will be to conduct phenotypic studies on new mutant mouse models related to cancer and other subjects. A strong background in basic biotechnologies (PCR, RT-PCR, Western blotting, cell culture and transfection) is required; an expertise in the analysis of genetically-modified mice and knowledge of flow cytometry or IHC technologies are highly desirable. A previous post-doctoral experience is an added value.

The **Laboratory of Functional Genetics** (http://www.giga.ulg.ac.be/jcms/prod_183451/laboratoire-de-genetique-fonctionnelle) was founded in 2010. The lab is located in the GIGA Research Centre (http://www.giga.ulg.ac.be/jcms/c_5015/accueil) and integrated in the CHU academic hospital. The basic approach of the laboratory is to genetically modify/mutate genes in mice and to determine the effects of these mutations on the development and the function of the whole organism. From these studies, we are trying to establish basic principles of physiology and basic mechanisms of disease pathogenesis in animal and man, as well as to define new therapeutic targets and markers of disease state (see selected publications below). In particular, the laboratory focuses on genes implicated in the control of inositides metabolism and signalling.

Please send a motivation letter, Curriculum Vitae, list of publications and name/contact information of 1 reference via email to S. Schurmans (at sschurmans@ulg.ac.be).

Selected References : **SHIP2** in insulin signaling and diabetes (Nature 2001, Diabetes 2002 & 2004), **Itpkb** in lymphocyte/neutrophil development and functions (Nature Immunol 2003, PNAS 2007 & 2008, Immunity 2007), **Inpp5e** in mouse and human ciliopathies (Nature Genetics 2009 & 2009) and **NCX3** in muscle physiology (J. Clin. Invest. 2004).