



**Instituto de Patologia e Imunologia Molecular
da Universidade do Porto**

Announcement for attribution of Research Fellowship (BI)

PTDC/CVT/100881/2008_BI1

Application to a research fellowship is open in the framework of project “**The causes and consequences of mitochondrial DNA deletions in animal cells**” (PTDC/CVT/100881/2008) co-financed by the Foundation for Science and the Technology (FCT) and by FEDER through Program POFC/QREN, under the following conditions:

1. **Duration and Regime of Activity:** 12 months, renewable up to 36 months, with beginning foreseen for **1 May 2010**, in regime of exclusiveness, as regulation of advanced training of human resources of FCT (<http://www.fct.mctes.pt/pt/apoios/formacao/ambitoprojectos>) and IPATIMUP - Institute of Pathology and Molecular Immunology of the University of Porto.
2. **Aims:** We will investigate the whole spectrum of clonally expanded mitochondrial DNA (mtDNA) deletions occurring in mitotic and post-mitotic tissues of several species using a range of innovative techniques in molecular biology. We will address fundamental questions concerning mtDNA deletions (how and where are they generated in tissues) and provide useful methods and knowledge for practical applications in animal and veterinary sciences. The impact of mtDNA deletions in mitochondrial dysfunction, tissue degeneration and disease will also be investigated (Pereira F *et al.* 2008. *Mol Biol Evol* 25:2759; Krishnan KJ *et al.* *Nat Genet* 40:275; Samuels DC *et al.* *Trends Genet* 20:393).
3. **Scientific supervision:** Filipe Pereira.
4. **Academic Profile:** Graduates in biology, biochemistry, veterinary sciences, pharmacy or medicine with a minimal final mark of 14 (up to 20) or an exceptional CV. Previous laboratory experience on molecular biology (real-time PCR, laser microdissection and sequencing) would be a distinct advantage.
5. **Remuneration:** In accordance with values of Research Fellowships in the country attributed by FCT and IPATIMUP.
6. **Documents of application:** The interested parties must send a **detailed CV** and a **motivation letter** (in English or Portuguese) to:

Filipe Pereira
fpereira@ipatimup.pt

(please include “PTDC/CVT/100881/2008_BI1” in the subject line)

7. **Timeframe for application:** 5 to 20 April, 2010