



Instituto Nacional de Saúde
Doutor Ricardo Jorge

DOCTORAL Fellow Position

Laboratório de Proteómica, Departamento de Genética, Instituto Nacional de Saúde Dr Ricardo Jorge, INSA-I.P.- Lisboa

To collaborate in the project: “*Environmental Tobacco Smoke (ETS) Exposure at Portuguese Restaurants, Bars and nightclubs: health effects and early molecular mechanisms underlying respiratory disorders*”.

Co-financed by Fundação Calouste Gulbenkian

*The doctoral task: To study the effect of ETS exposure on plasma and nasal epithelial cell proteome of workers from those establishments by **proteomic-based techniques**. The identification of differentially expressed proteins on these ETS exposed cells/tissue could provide new candidate biomarkers to better predict/assess respiratory diseases associated to ETS exposure. The candidate will develop and apply protein/peptide separation and mass spectrometry (MS) techniques, namely two-dimensional gel electrophoresis (2DE), MALDI-TOF-TOF and LC/MS/MS. Bioinformatic tools and molecular biology techniques will be used to investigate and validate putative protein biomarkers. The candidate should be available for short lab-training abroad (2-6 months).*

The doctoral fellow position is open to master graduated students (post-Bologna) or graduated students (before Bologna) with a final score above 15 in 20, in Medical, Biology, Biochemistry, Pharmacy, Chemistry or related. The applicant should work well as part of a group and be able to develop independent contributions.

To apply please send your CV and names of 2 references by email application, no later than **10th August 2010**, to:

Tânia Simões at tania.simoos@insa.min-saude.pt

Note: The pre-selected candidate (after CV evaluation and interview) will be instructed to apply her/his individual project to [doctoral grants of Fundação da Ciência e Tecnologia](#) (FCT; **deadline 5p.m, 6th September**). These FCT grants target holders of a university degree who are accepted as doctoral students in a Portuguese or foreign university. The final decision for grant attribution will be thus of FCT responsibility according to its pre-defined criteria. The fellowship is for one year renovated up to 4 years, starting in January 2011.



**LABORATÓRIO DE
PROTEÓMICA**

DEPARTAMENTO DE GENÉTICA INSA I.P.