

Ionic Hydration and Stability of Macromolecules in Solution through Molecular Dynamics Simulations

Bolsa de Doutoramento em Química (Química Computacional)

PhD in Chemistry (Computational Chemistry)

February of 2009

The GFM-UL is looking for a candidate to apply for a 4 year PhD scholarship from Fundação para a Ciência e a Tecnologia (FCT) of Portugal, to work on the study of aqueous solutions of specific ions both using quantum chemistry methods and molecular dynamics simulations. The candidate will work under the supervision of N. Galamba at the Complexo Interdisciplinar da Universidade de Lisboa. The goal of the project is to provide a molecular-level description of the effects of different ionic aqueous solutions on the stability of specific macromolecules (*e.g.* proteins) or molecular assemblies (*e.g.* micelles). The candidate should, preferentially, hold a degree in Chemistry, Biochemistry or Physics and to have an interest on the fields of quantum chemistry and molecular simulation.

Applicants should send their CV to ngalamba@cii.fc.ul.pt

Please feel free to contact me for more information.

Nuno Galamba

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