



## **Annnonce d'ouverture de stage Master M2**

Title: De novo in silico design of monoclonal antibodies

Description:

De novo in silico design of monoclonal antibodies is a challenging task in protein engineering. Our internship proposal (Master M2 level) is centred on three-dimensional modelling techniques suitable to undertake such an endeavour. Thus, the successful candidate will develop a strategy for monoclonal antibody design and evaluate his/her results with respect to experimental data.

Benefit to internship student:

Practical experience in protein design, molecular mechanics, homology model building, and affinity predictions to support drug discovery of therapeutic proteins; insight into industrial applied research in a well-established, experienced team in the department Structure, Design, and Informatics.

Requirements:

Master M2 level with knowledge in molecular modelling, bioinformatics, and computational chemistry acquired during university course work or internship; basic knowledge in programming, scripting, or computing; basic scientific English; autonomous and pro-active mind-set.

Length of internship & envisioned start: 6 month, start January/February 2014

Address Curriculum Vitae and letter of motivation to

Anke Steinmetz, PhD  
sanofi / LGCR / SDI  
Centre de Recherche & Développement Vitry / Alfortville  
13, quai Jules Guesde  
94403 Vitry sur Seine Cedex  
Tél : 01 58 93 31 95  
e-mail : anke.steinmetz@sanofi.com