Carbohydrate Multivalent Systems as Tools to Study Pathogen Interaction with DC-SIGN" Protein
Early Stage Researcher (preDoc) position – 3 years available

Financed from the FP7 project, Marie Curie Network for Initial Training (ITN), No.213592

This multidisciplinary project strives to approach the design and synthesis of carbohydrate multivalent systems to be used as inhibitors for pathogen (viruses, bacteria, yeast and parasites) attachment and penetration into target cells that present the receptor DC-SIGN. These studies could provide new insights to unravel the complex mechanisms of the immune system against pathogen invasion and could open strategies to develop vaccines through the modulation of dendritic cell activity. Young researchers enrolled in the CARMUSYS network will thus have the opportunity to be trained on a chemical biology project in a highly interdisciplinary environment and in an area at the forefront of glycoscience.

On this project an Early Stage Researcher position (preDoc) is available in our group. We are looking for an organic chemist interested in advanced carbohydrate synthesis, purification and identification of carbohydrate derivatives using NMR, MS, LC/MS, GC/MS and IR techniques. The position is available starting 1st June 2009 and the level of salary will meet the FP7 Marie Curie conditions. Due to the European support, Czech candidate cannot apply and only applicants coming from a country belonging to the European community may apply.

If interested, please send your application to:

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Link to the Carmusys network on the European commission website (Cordis):
http://cordis.europa.eu/fetch?CALLER=FP7_PROJ_EN&ACTION=D&DOC=12&CAT