GMD-German National Research Center
for Information Technology

SEVERAL SCIENTIFIC POSITIONS AT GMD-SCAI

At the Institute for Algorithms and Scientific Computing (SCAI) of GMD - German National Research Center for Information Technology in Sankt Augustin near Bonn, Germany,
we are carrying out several exciting bioinformatics projects, most of them together with the pharmaceutical industry. In a group of about 15 scientists, we are developing methods for the identification of protein targets for disease therapy, for molecular docking and structure-based drug design, and for protein sequence analysis and protein structure prediction. Detailed information on our work and a possibility to exercise our software is offered at http://www.gmd.de/SCAI/area-bioinf.html.

We are looking for highly skilled and optimally motivated people to join our group and work on:

- finding target proteins for disease therapy, based on sequence and gene expression data
- homology-based protein modeling and 3D protein structure prediction based on protein threading
- multiple alignment of protein sequences and reconstruction of evolutionary trees
- biomolecular docking
- design and scoring of combinatorial libraries
- structural superposition of ligand molecules
- In addition, we have several project positions available for scientists with a doctoral degree as well as for Ph.D. students.

We are looking for people with scientific backgrounds in computer science, biology, or chemistry, with significant computing expertise and experience, especially on Unix platforms, and with interest and - preferably - knowledge and experience in bioinformatics and/or molecular modeling.

We offer the position for 2-3 years; the salary is determined by the German public service salary scale.

GMD is an Equal Opportunity Employer.

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