

- **Academic Coordinator in the Biophysics Team**

**Presentation of the Center**

The Novo Nordisk Foundation Center for Protein Research (CPR – [www.cpr.ku.dk](http://www.cpr.ku.dk)) at the Faculty of Health Sciences, University of Copenhagen, performs basic and applied discovery research on human proteins of biomedical relevance. The newly established Protein Structure Program Protein Production Platform is established at the Center, responsible for protein production of recombinant proteins in both prokaryotic and eukaryotic hosts, generating proteins samples needed for CPR projects. The Biophysics Team will provide not quality control of the recombinant proteins using various biophysical techniques, but also will be involved in collaborations with research groups to fully understand functional mechanisms.

**Academic Coordinator in the Biophysics Team**

**Relationships**

The Academic Coordinator for the Biophysics Team is responsible to the Head of the Protein Structure Program and for the members of the Biophysics Team.

The strategic direction for the Biophysics Team is set by the Head of the Program, considering scientific priorities at the Center and requirements to efficiently carry out collaborations.

The post holder will interact, and is expected to build and maintain good working relationships with staff at all levels, both internally and externally including external scientific collaborators.

**Job description**

The Academic Coordinator will:

- Work closely with the Project Coordinator in projects related to biophysical and structural studies of protein-protein and protein-DNA interactions.
- Have an interest in implementing novel technologies, either internally or through external collaboration, for analysis of protein-ligand interactions with particular emphasis on protein-protein and protein-DNA interactions
- Actively participate in networks and collaborations with the international research community in general and the local research community in particular, and demonstrate international reputation through scientific publications and presentations at international symposia.
- Lead and provide expertise in the area of protein biophysics. The successful candidate will implement, use and improve current in-house technologies for analyzing protein-protein, protein-DNA and protein-ligand interactions, and specialize in the operation and data analysis of Biacore SPR, Isothermal Titration Calorimetry, thermophoresis, Differential Scanning Calorimetry, Analytical Ultracentrifugation, Circular Dichroism spectroscopy and fluorescence spectroscopy

- Drive the development of innovative protein-protein/protein-ligand/protein-DNA interaction methods, and lead in implementing state of the art instrumentation in the area. Be scientifically responsible for the biophysical characterization of protein samples.

### **Experience and skills**

Expertise in biophysics with an emphasis on all of the following methods: thermophoresis, Analytical Ultracentrifugation, Isothermal Titration Calorimetry, Thermophoresis, Differential Scanning Calorimetry, Biacore SPR, Circular Dichroism spectroscopy, Analytical Size Exclusion Chromatography (Analytical SEC), Dynamic Light Scattering (DLS) and fluorescence spectroscopy with a PhD degree in the relevant area.

Experience with specialized software such as SEDFIT/SEDPHAT, Origin, SigmaPlot

Experience with quantitative protein-protein interaction analysis.

Expertise in the use of fluorescent-based biophysics methods.

Excellent communication skills in English, both oral and written.

Integrity, enthusiasm, motivation, flexibility, confidence and outstanding collaboration skills.

### **Employment Conditions**

Employment will be in accordance with the provisions of the collective agreement between the Danish Government and AC (the Danish Confederation of Professional Associations), and the employment will be permanent as Chief Consultant (37 hours per week). There is a monthly contribution to a pension fund (17.1% of the salary), and a supplement could be negotiated.

### **Application**

Please submit the application with your resume and other relevant documents through this link:

<http://jobportal.ku.dk/tap> - under "Det Sundhedsvidenskabelige Fakultet". or apply online (below).

Only applications through these links will be considered. Deadline for application is 22 July 2012.

For further information regarding the position please contact: [jobs@cpr.ku.dk](mailto:jobs@cpr.ku.dk)