



GÖTEBORGS UNIVERSITET
NATURVETENSKAPLIGA FAKULTETEN

AVAILABLE POSITION

21th of January 2010 Ref nr E 36 224/10

Postdoc position in Natural Science specialising biophysics
at the Department of Physics

We seek one postdoc for a highly interdisciplinary project:

BIOPHYSICS OF DNA AND DNA-PROTEIN INTERACTIONS. The experiments are performed in nanostructured channel systems using fluorescence microscopy. We wish to explore DNA-protein interactions in such structures to obtain biologically relevant information.

The postdoc is expected to work in an interdisciplinary manner and be responsible for all aspects of the project: nanofabrication of the channels (at the MC2 department, Chalmers University of Technology); microscopy; sample preparation; image processing; interpretation of data; experimental design. Collaborations are crucial and the postdoc is expected to benefit from existing networks and contribute by establishing new collaborative connections. Documented experience of clean room work and other experimental biophysics is valued very highly.

The group headed by Dr. Jonas Tegenfeldt is specialised in nanoscience in the fields of biophysics, microfluidics, and DNA analysis. The work will take place in close collaborations with Chalmers/MC2/nanotechnology laboratory, Chalmers/Physical Chemistry, Chalmers/Physics. The project is funded through the Foundation for Strategic Research.

The appointment will be at the Department of Physics at University of Gothenburg initially for one year, but with possibility for an extension to a total of two years.

Start: Spring 2010.

For further information contact Dr. Fredrik Westerlund,
fredrik.westerlund@physics.gu.se

Application

The application should be written in English containing the following:

- CV with complete publication list
- Short summary (max 1 page) of previous research activities relevant to the position
- Copies of the applicants publications relevant for the application (such as PhD thesis and master thesis)
- The names of two persons who could be contacted for reference letters

Applications should be addressed to:

The Registrar, University of Gothenburg, Box 100, SE-405 30 Göteborg, Sweden.

Mark the application with reference number: **E 36 224/10**

The application must be received **no later than 31th of March 2010**

Trade union representatives:

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DEAN