



GÖTEBORG UNIVERSITY

Faculty of Science

Postdoctoral Positions

in

Diffractive Optics and Optical Manipulation

One or two postdoctoral positions are available at the Department of Physics, Göteborg University, Sweden, in the fields of diffractive optics and optical manipulation.

Our current research focuses on applying different optical manipulation and imaging techniques in microbiological research. We have established close collaborations with several research groups world wide in the field of cellular and molecular biology, chemistry, medicine as well as physics.

We are now searching for individuals capable of leading our research effort in implementing spatial light modulators (SLM) into our existing optical systems. The implementation of SLMs will be used to create multiple beams in the sample where each beam also should be controlled individually. The technique will be evaluated for optical force measurements and for studies of cellular interactions.

Experience in diffractive optics, optical manipulation and optical imaging is of advantage, but not required. We are looking for the best overall experimental scientist with the creativity and vision to push the envelope of existing optical manipulation experiments.

The deadline for applications to the first position is **2005-04-19** and is open for an immediate start. The deadline for the second position will be announced later. Interested candidates to either position should send their curriculum vitae including a detailed description of their research experience, doctoral thesis, educational background, contact information and letters of reference to:

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