Postdoc position in nanofluidics for life science

A highly motivated individual is sought to fill a postdoc position in nanofluidics with focus on life-science applications at the Division of Solid State Physics as Lund University. The postdoc will work within a vibrant interdisciplinary environment including a growing network of collaborations with e.g. Risø National Labs (Roskilde, Denmark) and the Technical University of Denmark (Kgs Lyngby, Denmark).

The tasks of the postdoc are anticipated to comprise both fabrication of devices and measurements. Desired skills of the postdoc include nanofabrication and microfabrication using standard techniques, microfluidics and optical microscopy. Experience of working with interdisciplinary projects with a life-science profile is highly qualifying.

The group of Dr Tegenfeldt is involved in two major areas: separation science (mainly in microfluidic device) and DNA analysis in nanofluidic channels. Dr Tegenfeldt has made significant contributions within microfluidic devices for bio separation and is also one of the pioneers within stretching of DNA in nanoscale channels.

For details see the Tegenfeldt web site: [http://nanobio.ftf.lth.se/~tegen](http://nanobio.ftf.lth.se/~tegen)

The Division of Solid State Physics, headed by Prof Lars Samuelson, has a fair record of accomplishments within nanotechnology especially in the fields of nanoelectronics, quantum transport and epitaxy in III/V materials but also in Si/Ge material systems. During the past years the focus of the division has shifted to nanowires mainly for electronics applications, but increasingly as well for applications within the life sciences. For details see our official website: [http://nano.ftf.lth.se/main.html?research.html](http://nano.ftf.lth.se/main.html?research.html)

The Division of Solid State Physics is now expanding with major investments in a new 200m² class 10 clean room with expected opening in the fall of 2006.

Interested candidates should send a letter of interest including a CV to the email address given below.

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