



Two third-party funds were granted to the *Chair of Biophysics*. We therefore seek to fill

## open positions for 1 research assistant / 5 PhD students

for a *period of 3 years*. The application period extends from September 2008 until March 2009.

**Payment:** according to DFG scholarships (€1.340, tax exempt) or a minimum of 50% TV-L E13

### **Project topics:**

"Analysis and simulation of the electrical interaction between implants and bio-systems" (DFG Graduiertenkolleg)

"Micro fluidics, internal sensors & structure design of a 3D-cell culture body" (Ministry for economics, labour and tourism M-V, Joint project)

**A university degree (Diploma/Masters)** is required in the fields of biology, biophysics, electrical engineering, physics or chemistry.

**Work fields are:** the characterization and modeling of **(i)** cell/cell and cell/material interactions, **(ii)** electric cell properties, **(iii)** electric stimulation of neurons (deep brain stimulation), **(iv)** cell handling in micro-systems, **(v)** cell chips (MEA, IDES etc...), and **(vi)** micro fluidics in cellular micro-systems.

### **Further information under:**

Personal contact:

Telephone:

E-Mail:

[www.biologie.uni-rostock.de/biophysik](http://www.biologie.uni-rostock.de/biophysik)

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Please send your complete application to:

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