Who is looking for a Ph. D. position?

We are looking for dynamic Ph. D. students

As part of the German research councils (Deutsche Forschungs Gemeinschaft, DFG) special research programme -Sonderforschungsbereich "Molekulare Bioenergetik" (Sfb 472), a PhD Studentship (BAT IIa/2) should be available for a period of three years starting on the 1st. January 2000.

Description of Project and Aims: The project involves the characterisation of transient radical reactions and stationary radicals in cytochrome c oxidase using modern Electron Spin Resonance (ESR) methods. The main aims are the generation of specific redox states and their optimisation for spectroscopic experiments. These will be performed in intensive collaboration with the research groups of Prof. Bernd Ludwig (Dept. of Biochemistry) and Prof. Hartmut Michel (Max-Planck-Institut for Biophysics). First successful results indicating the potential of the project have been achieved (see e.g. Biochemistry, 38, 9179-9184 (1999). The magnetic resonance experiments will consist of continuous wave (cw-) and pulsed ESR (ESEEM - Electron Spin Echo Envelope Modulation) spectroscopy in different frequency bands (from 2-200 GHz), including double resonance experiments (ENDOR - Electron Nuclear DOuble Resonance).

Requirements: B. Sc. (M. Sc.) or equivalent qualification in biology, chemistry, biochemistry or physics; Interest in experimental spectroscopy (protein-bound radicals and transition metals); enthusiastic, interdisciplinary teamwork.

Salary and Contact address: BAT IIa/2
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