

SFB
1078



Protonation Dynamics
in Protein Function

➤ Colloquium

Mon, May 5, 2014 · 16:15 – 18:30 · Lecture Hall B of the Physics Dept.
at Freie Universität Berlin (Arnimallee 14, 14195 Berlin-Dahlem)

16:00 Welcome coffee

16:15 Prof. Nicole Frankenberg-Dinkel,
Ruhr-Universität Bochum, Germany

Biosynthesis and assembly of unusual phycobiliproteins

Within this seminar, Prof. Frankenberg-Dinkel will present most recent results on the biosynthesis of open-chain tetrapyrroles and the mechanism of their subsequent attachment to the light harvesting phycobiliproteins.

17:15 Coffee break

17:30 Prof. Peter Brzezinski,
Stockholm University, Sweden

Dynamics of proton transfer in respiratory oxidases

The respiratory oxidases couple electron transfer to proton translocation across the membrane. The electron/proton ratio varies between different organisms and in any specific oxidase it can be modulated by replacement of single residues. Prof. Brzezinski will present results from studies aimed at understanding this behavior at a molecular level.

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