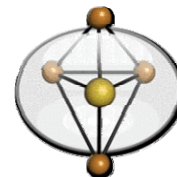




**Georg-August-Universität
Internationales Graduiertenkolleg 1422**
*Metal Sites in Biomolecules:
Structures, Regulation and Mechanisms*
Sprecher: Prof. Dr. Franc Meyer



IRTG Workshop February 9-11, 2009

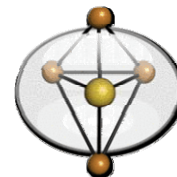
Monday, February 9

Carlsberg Laboratory

- 14.30-15.10 *History of the Carlsberg Laboratory*
Mats Hansson, the Carlsberg Laboratory, Denmark
- 15.10-15.40 Guided tour of the Carlsberg Laboratory
- 15.40-16.15 Coffee and mounting of posters
- 16.15-17.30 *The biological chemistry of vanadium*
Dieter Rehder, University of Hamburg, Germany
- 17.30-18.00 *Bioinorganic chemistry at CERN*
Lars Hemmingsen, the Royal Veterinary and Agricultural University, Denmark
- 18.00-18.30 *Tutorial: Kinetics and inorganic reaction mechanisms, part I*
Ebbe Nordlander, Lund University, Sweden
- 18.30 Dinner at the Carlsberg museum



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Tuesday, February 10

Carlsberg Laboratory

09.00-09.45 *Tutorial: Kinetics and inorganic reaction mechanisms, part II*

Ebbe Nordlander, Lund University, Sweden

10.00-10.40 *Metal specificity and secondary structure variations studied by ferrochelatase variants*

Mattias Hansson, Lund University, Sweden

10.40-11.00 Coffee

11.00-11.30 *Biomimetic and DFT studies of unusual [2Fe-2S] clusters*

Michael Fuchs, University of Göttingen, Germany

11.30-12.00 *Novel aqueous route to the synthesis of iron-nickel thiospinels*

Wendie Hagedorn Jörgensen, Southern Denmark University

12.00-12.30 *Free energy calculations on Mn superoxide dismutase*

Jimmy Heimdal, Lund University, Sweden

12.30-14.00 Lunch

14.00-14.50 *Molecular mechanisms of cofactor enzymes? Current and future projects.*

Kai Tittmann, University of Göttingen, Germany

15.00-15.30 *Structural and functional studies of Wilms Tumor 1 protein in interaction with DNA*

Raymond Yengo, Lund University, Sweden

15.30-16.30 Coffee + poster session

16.30-17.00 *Introduction of a second metal binding site into the zinc finger motif of Zif268*

Friederike Fehr, University of Göttingen, Germany

17.00-17.30 *Synthesis of new cisplatin analogues with DNA-bending potential*

Mariana Balan, University of Göttingen, Germany

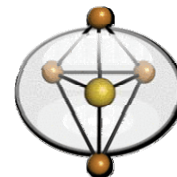
17.30-18.00 *Effects of metalation of siRNAs*

Hanna Hedman, Lund University, Sweden

19.30 Dinner at Told og Snaps, Nyhavn



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Wednesday, February 11

Carlsberg Laboratory

- 09.00-09.30 *Crystal structure of the nitrous oxide reductase of Pseudomonas stutzeri*
Anja Pomowski, University of Göttingen, Germany
- 09.30-10.00 *How to assemble a protein tag for purification, crystallization and phasing*
Christian Grosse, University of Göttingen, Germany
- 10.00-10.30 *Triangles for experimental phasing of macromolecules*
Tobias Beck, University of Göttingen, Germany
- 10.30-11.00 Coffee
- 11.00-11.30 *On the mechanism of psi-producing oxygenase A from Aspergillus nidulans*
Florian Brodhun, University of Göttingen, Germany
- 11.45-12.30 *Tutorial: Kinetics and inorganic reaction mechanisms, part III*
Ebbe Nordlander, Lund University, Sweden
- 12.30 Lunch
- 13.30 Guided tour of the Carlsberg Visitors Center