

2nd Unicat- Marseille Meeting

13.-14. April , Berlin

BEL 301

Program

Monday, 13.04

9:15 Welcome (Maria Andrea Mroginski)

9:30 **Kallol Ray** High Valent Metal-Oxo Complexes in Chemistry and Biology"

10:00 **Inez Weidinger** "Spectroelectrochemical investigation of Cytochrome C Oxidase and its biomimetic analogues"

10:30 **Frieder Scheller** „Protein Imprinted Polymers- A New Dimension of Surface Structuring“

11:00 Coffee Break

11:30 **Jaqueline Kalms** "Structural investigations on a oxygen-tolerant [NiFe] hydrogenase of *Ralstonia eutropha*"

12:00 **M.A. Mroginski** "Computational studies on NiFe-hydrogenase and CODH"

12:30 **Michael Haumann.** "Metal-hydride bonds in enzymes and models studied by X-ray spectroscopy."

13:00 Lunch (Buffet)

14:00 **Vincent Fourmond (F)** "How immobilizing hydrogenases in hydrogel films protects them from O₂ damage"

14:30 **Elizabeth Lojou (F)** "Electrochemical Interface nanostructuring for enzymatic catalysis. Applications to hydrogen biofuel cells"

15:00 **Jalila Simaan (F)** "Copper-mediated activation of water for C-H bond hydroxylation and dioxygen production"

15:30 **Marius Reglier (F):** Inhibition of tyrosinase: a coordination chemistry approach

16:00 Coffee Break

16:30 **Maylis Orio (F):** Computational investigation of the catalytic reduction of nitrous oxides.

17:00 **Olga Iranzo (F):** Copper-containing peptides: characterization and redox behavior

17:30 **Thierry Thron (F)**: Catalysis with a multicopper-oxidase fonctionalized with transition-metal complexes

18:00 Final Remarks and organization of discussion groups for Tuesday

19:00 Dinner (at *Kabir* Restaurant)

Tuesday, 14.04

Internal discussions in smaller groups focused either on chemical catalysis or on biological catalysis. The organization of these groups will be done on Monday 13.04