

PhD day 2013



09h00 - 09h05 **Opening session** (Chantal or Lyndon)

09h05 - 09h25 **Guillaume GROS** Modular construction of N-CO-interacted inhibitor candidates and their biological assessment with HIV-1 protease

09h25 - 09h45 **Aline SCHMITT** Stereoselective recognition of glucopyranosides and chiral neurotransmitters by enantiopure hemicryptophanes

09h45 - 10h05 **Alexandre ZAGDOUN** Dynamic Nuclear Polarization Surface Enhanced NMR Spectroscopy.

10h05 - 10h25 **Gwenaëlle EUCAT** Design of solid state emitters for biological imaging

10h25 - 10h50 **Coffee Break**

10h50 - 11h10 **Yuting ZHENG** Quantitative UV-visible Investigation of Vanadium Dispersion in Al or Ti modified MCM-41 Silicas

11h10 - 11h30 **Simon PASCAL** Two-photon absorption in the near-infrared region: towards bio-imaging applications.

11h30 - 11h50 **Jérémie ZAFFRAN** Fast prediction of polyols reactivity at metallic surfaces

11h50 - 12h15 **Flash presentation of posters** (2 min per poster)

Torsten HOUWAART CoTPP adsorption on coinage metals and comparison of calculated STM images

Chandan PATEL Complex DNA lesions : Insights from QM/MM—MD.

Romain RAMOZZI Ugi-type reactions: a never ending source of innovation

Yuemei SUN The influence of H-adatoms on H₂ dissociation on Pd(111) at finite coverages

Oliver THORN-SESHOLD Development of Auto-Immolative Spacers for Probes of Enzyme Activity

Bastien CHATELET Superbases in the confined space of hemicryptophane hosts: control of the basicity and influence on the reactivity of the proton transfer .../...

Denis CHÂTEAU Design of efficient monolithic hybrid materials for optical protection

Damia GREGORI Composite coatings with photocatalytic properties obtained by the sol-gel process on flexible materials

Jérémy CHAIGNON Silica-grafted manganese complexes for catechol oxidation

Anne FAGES A NMR metabonomic approach to explore early biomarkers of Hepatocellular Carcinoma in the European Prospective Investigation into Cancer and Nutrition

Elodie JOBARD NMR Metabonomic Investigation of Early Biomarkers of Breast Cancer in the E3N Prospective Cohort

12h15 - 14h15 **Lunch break with Poster discussions (LR6)**

14h15 - 14h35 **Maxime PROST** Sondes fluorogènes pour l'imagerie à très haute sensibilité de l'activité enzymatique

14h35 - 14h55 **Raymond GRÜBER** The good choice of a functional : is the best the enemy of the good ?

14h55 - 15h15 **Laure-Lise CHAPELLET** Structural modifications of the cryptophanes: towards new types of biosensors

15h15 - 15h40 **Coffee Break**

15h40 - 16h00 **Bastien METTRA** Molecular engineering of two photons absorbing chromophores. Towards understanding of the excited state photophysics.

16h00 - 16h20 **Jinping WANG** Achieving electroneutrality in low-spin iron(II) complexes that respond to chemical reactants

16h20 - 16h40 **Martin IPUY** Synthesis of new pH sensitive fluorescent probes based on the TCF electron accepting group

16h40 - 17h00 **Closing session** (Evaluation and conclusion)