

*The XII Spring Meeting of the Division of Synthetic Chemistry 7.-8.6.2011*

**TUESDAY JUNE 7<sup>TH</sup> 2011**

09:00-10:00 **Registration and Coffee**

*Chairman Professor Petri Pihko, University of Jyväskylä*

10:00-10:15 **Opening Remarks of the XII Spring Meeting of the Division of Synthetic Chemistry**

10:15-11:00 **Professor Keiji Maruoka**, Kyoto University  
DESIGN OF HIGH-PERFORMANCE ORGANOCATALYSTS FOR GREEN SUSTAINABLE CHEMISTRY

11:00-11:45 **Professor Anthony P. Davis**, University of Bristol  
BUILDING ON STEROIDS – FROM CHOLIC ACID TO ANION TRANSPORTERS AND NANOPOROUS CRYSTALS

11:45-13:00 **Lunch**

*Chairman Dr. Tapio Nevalainen, University of Eastern Finland*

13:00-13:45 **Professor Ruth Gschwind**, University of Regensburg  
ENAMINE AND BRØNSTED ACID CATALYSIS - INTERMEDIATES TRAPPED BY NMR

13:45-14:10 **Ari Hietanen**, University of Turku  
CHEMOENZYMATIC OXIDATION-HYDROCYANATION PROTOCOL FOR THE STEREOSELECTIVE PREPARATION OF 6-CYANO-GLYCOPYRANOSIDES

14:10-14:35 **Dr. Nonappa**, University of Jyväskylä  
ENVIRONMENTALLY BENIGN APPROACH TO CYCLIC DIPEPTIDES

14:35-15:00 **Coffee**

*Chairman Dr. Juhani Huuskonen, University of Jyväskylä*

- 15:00-15:25 **Professor Nikolay V. Lukashev**, Moscow State University  
STEROID TRANSFORMATIONS: NEW TRENDS IN THE  
CLASSICAL FIELD
- 15:25-15:50 **Dr. Erik A. A. Wallén**, University of Helsinki  
EFFICIENT ACCESS TO ORTHOGONALLY PROTECTED  
DISULFIDE BRIDGE MIMETICS
- 15:50-16:15 **Jayendra Z. Patel**, University of Eastern Finland  
1,3,4-OXADIAZOL-2-ONES AS FAAH AND MGL INHIBITORS
- 16:15-16:30 **Dr. Jane Murray**, Sigma-Aldrich Corporation  
NEW TECHNOLOGIES TO FACILITATE CATALYTIC CROSS-  
COUPLING REACTIONS
- 16:30-16:45 **Arto Hurmalainen**, Hosmed Oy  
MICROWAVE-ACCELERATED CHEMICAL SYNTHESIS
- 16:45-18:30 **Poster Session & Refreshments**
- 19:00 **Get Together Party** in Restaurant Salitintti

**WEDNESDAY JUNE 8<sup>TH</sup> 2011**

*Chairman Professor Robert Franzén, Tampere University of Technology*

- 9:00-9:45 **Professor Takashi Ooi**, Nagoya University  
DESIGN AND APPLICATIONS OF CHIRAL QUATERNARY ONIUM  
SALTS FEATURING ANION-RECOGNITION ABILITY
- 9:45-10:30 **Professor Olivier Baudoin**, University Claude Bernard Lyon 1  
PALLADIUM-CATALYZED FUNCTIONALIZATION OF  
UNACTIVATED C(sp<sup>3</sup>)-H BONDS
- 10:30-11:00 **Coffee**

*Chairman Professor Kari Rissanen, University of Jyväskylä*

- 11:00-11:25 **Yu Wang**, Tampere University of Technology  
PREPARATION OF INDOLE-PHOSPHINE OXAZOLINE (INDPHOX)  
LIGANDS AND THEIR APPLICATION IN ALLYLIC  
SUBSTITUTION
- 11:25-11:50 **Dr. Hasibur Rahaman**, University of Jyväskylä  
DUAL HYDROGEN BOND – ENAMINE CATALYSIS ENABLES A  
DIRECT ENANTIOSELECTIVE THREE-COMPONENT DOMINO  
REACTION
- 11:50-12:20 **ANNOUNCEMENT OF THE PUBLICATION PRIZE OF THE  
DIVISION OF SYNTHETIC CHEMISTRY 2011**  
**Dr. Antti Pohjakallio**, Orion Pharma  
SYNTHESIS OF 3-UNSUBSTITUTED 2-ISOXAZOLINES VIA  
CATALYTIC CONJUGATE ADDITION REACTIONS
- 12:20-12:30 **Closing of the XII Spring Meeting of the Division of Synthetic  
Chemistry**
- 12:30-13:30 **Lunch**
- 13:30-14:30 **Annual General Meeting of the Division of Synthetic Chemistry**  
Conference room 11, Spa Hotel Rantasipi Laajavuori

*The XXXIII Finnish NMR Symposium 8.-10.6.2011*

**WEDNESDAY JUNE 8<sup>TH</sup> 2011**

13:30-15:30 Registration & Coffee

*Chairman Dr. Elina Sievänen, University of Jyväskylä*

15:30-15:40 **Opening Remarks of the XXXIII Finnish NMR Symposium**

15:40-16:20 **Professor Ricardo Riguera**, University of Santiago de Compostela  
THE ASSIGNMENT OF THE ABSOLUTE CONFIGURATION OF  
ORGANIC COMPOUNDS IN SOLUTION: FROM <sup>1</sup>H TO <sup>13</sup>C-NMR

16:20-17:00 **Professor Ruth Gschwind**, University of Regensburg  
NMR ON ORGANOCOPPER COMPOUNDS

17:00-17:40 **Professor Sota Sato**, University of Tokyo  
DISCRETE, MAGNETICALLY ALIGNING MOLECULE FOR RDC  
OBSERVATION

19:00 **Reception of the City of Jyväskylä** in Restaurant Salitintti  
Open for participants of the XII Spring Meeting of the Division of  
Synthetic Chemistry and the XXXIII Finnish NMR Symposium

**THURSDAY JUNE 9<sup>TH</sup> 2011**

*Chairman Dr. Ville-Veikko Telkki, University of Oulu*

8:30-9:10 **Professor Anthony P. Davis**, University of Bristol  
PROGRESS IN BIOMIMETIC CARBOHYDRATE RECOGNITION

9:10-9:50 **Dr. Pasi Soininen**, University of Eastern Finland  
TWO YEARS OF HIGH-THROUGHPUT SERUM NMR  
METABONOMICS

9:50-10:20 **Coffee**

*Chairman Professor Jouko Vepsäläinen, University of Eastern Finland*

- 10:20-11:00 **Professor Mattias Edén**, Stockholm University  
BIOMIMETIC APATITE FORMATION OF MESOPOROUS  
BIOACTIVE GLASSES PROBED BY SOLID-STATE NMR
- 11:00-11:40 **Professor Radek Marek**, Masaryk University, Brno  
<sup>13</sup>C AND <sup>15</sup>N NMR CHEMICAL SHIFT TENSORS BY EXPERIMENT  
AND THEORY
- 11:40-12:20 **Dr. Dick Sandström**, Bruker BioSpin Scandinavia Ab  
SOLID STATE NMR AS A TOOL FOR STUDYING  
PHARMACEUTICAL POLYMORPHS
- 12:20-13:30 **Lunch**

*Chairman Professor Jorma Mattinen, Åbo Akademi University*

- 13:30-14:00 **Dr. Vadim Zorin**, Agilent Technologies UK  
CREATING COMPLEX SOLID-STATE NMR EXPERIMENTS:  
WAVEFORMS FOR PROTON HOMONUCLEAR DECOUPLING
- 14:00-14:15 **Dr. Marco Schwieder**, JEOL  
JEOL MICCS-NMR – REAL-TIME REACTION MONITORING
- 14:15-14:30 **Peter Meadows**, European Product Manager, JEOL  
SOLID STATE NMR AT 80 kHz
- 14:30-15:00 **Dr. Dick Sandström**, Bruker BioSpin Scandinavia Ab  
PRODUCT NEWS FROM BRUKER BIOSPIN
- 15:00-17:00 **Poster Session & Refreshments**
- 17:30 **Bus Transportation to the Harbor**
- 18:00 **Lake Cruise on Lakes Jyväsjärvi and Päijänne**
- 19:00 **Conference Dinner in Savutuvan Apaja**
- 23:00 **First Bus from Savutuvan Apaja to Spa Hotel Rantasipi Laajavuori**
- 23:30 **Second Bus from Savutuvan Apaja to Spa Hotel Rantasipi Laajavuori**

**FRIDAY JUNE 10<sup>TH</sup> 2011**

*Chairman Professor Erkki Kolehmainen, University of Jyväskylä*

- 9:30-9:50 **Dr. Joshua Ward**, Purdue University  
SOLUTION STATE MEASUREMENT OF VERY LARGE 200 HZ  
RESIDUAL DIPOLAR COUPLINGS IN PROTEIN
- 9:50-10:10 **Dr. Matthias Heydenreich**, University of Potsdam  
CONFORMATIONAL ANALYSIS OF SILACYCLOHEXANE  
DERIVATIVES
- 10:10-10:30 **Jouni Karjalainen**, University of Oulu  
ORDERING OF A LIQUID CRYSTAL IN A CYLINDRICAL  
MESOCAVITY BY MONTE CARLO MOLECULAR SIMULATIONS
- 10:30-10:50 **Janne Weisell**, University of Eastern Finland  
UNEXPECTED ACID CATALYZED INTRAMOLECULAR *N*-  
ACETYL MIGRATION FROM N<sup>1</sup> TO N<sup>3</sup> IN N<sup>1</sup>-  
ACETYLTRIETHYLENETETRAMINE
- 10:50-11:10 **Ondřej Jurček**, University of Jyväskylä  
SOLID STATE NMR SPECTROSCOPY IN DESCRIPTION OF  
SUCCINO-BUCOL'S POLYMORPHS AND NOVEL  
SUCCINOBUCOL-STEROL CONJUGATES WITH ANTI-  
ATHEROSCLEROTIC POTENTIAL
- 11:10-11:20 **Closing of the XXXIII Finnish NMR Symposium**
- 11:20-11:35 **Annual General Meeting of FiD**
- 11:35-13:00 **Lunch**