

EUROPEAN YOUNG CHEMIST AWARD 2010

-Sponsored by the Italian Chemical Society- with the patronage of EuChemS, SCI, EYCN, GDCh

COMPETITION SESSION - PROGRAM

Wednesday 1 September 2010 (10.00 –15.30 - Lecture Hall "London")

Chairmen Bruno Pignataro and Sergej Toews

10.00-10.10 INTRODUCTION

Pignataro, B., University of Palermo, Italy

10.10–11.45 - FIRST SET OF FINALISTS (12 minutes each)

Bergamini, G., University of Bologna, Italy

Enlightening Structure and Properties of Dendrimers by Fluorescence Depolarization

Bhosale, S. V., Monash University (Clayton), Australia

Yoctoliter-Sized Vessels as a Receptors & Nanostructured Soft Material of Core-Substituted Naphthalene Diimides

Clever, G.H., Georg-August-Universität, Göttingen, Germany

Metal Complexes and Clusters as Guests in Coordination Cages

Corminboeuf, C.C., Ecole Polytechnique Fédérale de Lausanne, Switzerland

Direct Assessment of π -Conjugation Effects on Molecular and Materials Properties

Cramer, N., ETH Zurich, Switzerland

Enantioselective Rhodium-Catalyzed C–C Bond Activations

Feng, X., Max Planck Institute for Polymer Research (Mainz), Germany

Graphene Sheet: A Promising Material for Electronic and Energy Storage Applications

Fuse, S., Tokyo Institute of Technology, Japan

Efficient Syntheses of Taxol and 9-Membered Masked Eneidyne Using Automated Synthesizers

Gómez-Ruiz, S., Universidad Rey Juan Carlos (Madrid), Spain

Palladium Nanoparticles Supported on Hybrid Mesoporous Silicas: Novel Biomaterials with Potential Application against Bone Tumours

11.46–12.00 Questions by the jury and the audience

12.00 –13.30 LUNCH

13.30 –14.30 – SECOND SET OF FINALISTS (12 minutes each)

Höbartner, C., Max Planck Institute for Biophysical Chemistry (Göttingen), Germany
DNA-Catalyzed Ligation of RNA Studied by Combinatorial Nucleotide Analog Interference Analysis

Hu, X., Ecole Polytechnique Fédérale de Lausanne, Switzerland
Cross Coupling of Non-Activated Alkyl Halides by a Well-Defined Ni Catalyst

Mateo-Alonso, A., Freiburg Institute for Advanced Studies, Germany
Fullerenes: Multitask Components in Molecular Machinery

Silvi, S., University of Bologna, Italy
Thermodynamic Stability and Kinetic Lability in a Pseudorotaxane/Rotaxane Photoswitchable Supramolecular Assembly

Trewin, A., University of Liverpool, United Kingdom.
Porous Materials: Suitable Frameworks for Gas Storage and Separations

14.30–14.45 Questions by the jury and the audience

14.45–15.30 – FINALISTS at PHD LEVEL (12 minutes each)

Carenco, S., Collège de France (Paris), France
A Versatile Route to Metal Phosphide Nanoparticles: White Phosphorus Stoichiometric and Low-Temperature Reactivity on Metal Nanoparticles

Gómez Martín, L., Universitat de Girona, Spain
Rational Design of Efficient Biomimetic Iron Catalysts for Stereospecific C-H Oxidation with H₂O₂

Hintermair, U., RWTH Aachen, Germany
Supported Ionic Liquid Phase Catalysis with Supercritical CO₂ for Continuous Flow Asymmetric Hydrogenation

15.21-15.30 Questions and Concluding Remarks