

SATELLITE EVENT

Cost Action CM0701 "CASCAT"

Cascade Chemoenzymatic Processes. New synergies between chemistry and biochemistry WG2: Multi-step deracemization of multifunctional compounds

9:00 - 9:10 Introduction remarks

S. Riva *ICRM, CNR, Milano Italy* Chairman Cost action CM0701

Chair: S. Servi, Politecnico of Milano, Italy

9:10 - 9:30 **L. Pollegioni, University of Insubria, Varese, Italy**

The power of the combined protein engineering approach : Evolution of a glycine oxidase for a novel mechanism of glyphosate tolerance

9:50 - 10:10 **Z. Wimmer, Academy of Sciences of the Czech Republic. Prague, Czech Republic**

Enzymic Resolution of amino acids and their application in conjugates with steroid compounds

10.10 - 10.30 Coffee break

Chair: J.M. Clemente – Jimenez, University of Almería, Almería. Spain

10:30 - 10:50 **D. Tessaro, Politecnico di Milano, Milano, Italy**

Dynamic kinetic resolution of N-Boc-aminoacid thioesters mediated by subtilisin

10:50 - 11:10 **P. Berglund, KTH, Stockholm, Sweden**

Redesign of omega - transaminases for synthesis of chiral amines

11:10 - 11:30 **J. Rudat, University of Karlsruhe, Germany**

Synthesis of aromatic β - amino acids using novel cyclic amidases

Chair: W. Dejonghe, Vito, Boeretang, Belgium

11:30 - 11:50

F. Volontè, University of Insubria, Varese, Italy

Evolution of chymotrypsin-like enzymes for specific hydrolytic biconversions of industrial interest

11:50 - 12:10 **E.E. Ferrandi, ICRM, CNR, Milano, Italy**

Multienzymatic synthesis of 12-ketoursod acid using cascade or sequential processes

12:10 - 12:30 **V. Markovic, University of Belgrade, Serbia**

Modeling of biochemical processes

12:30 - 12:50 **L. Poppe, University of Budapest, Hungary**

Biocatalytic usefulness and mechanistic aspects of the MIO-containing ammonia-lyase / aminomutase family.

S. Servi

Closing remarks