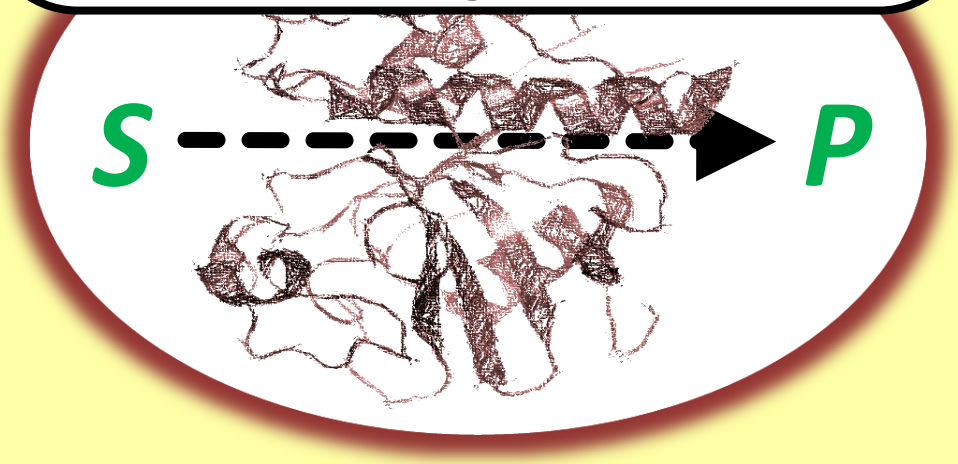
5th International Conference on Novel Enzymes 2016



OCTOBER 11-14, 2016
GRONINGEN / THE NETHERLANDS

The 5th international conference on Novel Enzymes (INEC16) aims to provide a forum for the presentation of the most exciting advances and new findings concerning enzymes. The goal of the conference is to provide an overview on recent developments and future perspectives in enzymology research. Emphasis will be given to:

Novel enzymes by discovery / Novel enzymes by engineering / Novel enzyme applications

The conference aims at bringing together researchers, from academia and industry, working in the field of enzymology, and to facilitate stimulating discussions. Keynote lectures are delivered by reputed academic and industrial scientists who will present new developments in diverse areas of molecular and applied enzymology.

PhD students: € 200 / COST SysBioCat PhD students: € 150*
Academic participants: € 450 / COST SysBioCat Academic participants: € 300*
Industrial participants: € 600
** We offer this special price for members of the COST action CM1303 Systems Biocatalysis*
Conference fee includes reception, admission to all sessions, conference book, coffee breaks, lunches and conference dinner.
Abstracts for oral presentations and posters can be submitted.
Abstract deadline: August 31, 2016 / Registration deadline: September 15, 2016
Be aware that there is a limited capacity of 150 participants!

For more details & registration, please visit the conference website:
www.novelenzymes.com / novelenzymes@rug.nl

CONFERENCE TOPICS & INVITED SPEAKERS

Novel enzymes by discovery

John Gerlt – University of Illinois at Urbana-Champaign, USA
Transport system solute binding protein guided discovery of novel enzymes in novel metabolic pathways

Thomas Barends – *Max* Planck Institute for Medical Research, Germany
Hydrazine synthase, a bacterial enzyme producing rocket fuel

David Leys – Manchester Institute of Biotechnology, United Kingdom
Unravelling the chemistry underpinning reversible decarboxylation in the UbiX-UbiD system

Kirk Schnorr – NOVOZYMES, Denmark
Novel enzymes in an industrially relevant context

Florian Hollfelder – University of Cambridge, United Kingdom
Rules and tools for efficient enzyme evolution, recruitment and discovery based on catalytic promiscuity

Kohei Oda – Kyoto Institute of Technology, Japan
A bacterium that degrades and assimilates PET and its enzymes involved in the degradation

Novel enzymes by engineering

Manfred Reetz – Philipps-University Marburg, Germany
Recent methodology developments in directed evolution

Magali Remaud-Simeon – LISBP INSA Toulouse, France
Structurally-guided engineering of enzymes and enzymatic pathways for novel products

Emma Master – University of Toronto, Canada
Polysaccharide utilization loci as sources of unique carbohydrate active enzymes

Dick Janssen – University of Groningen, The Netherlands
Computational approaches in enzyme engineering

Novel enzyme applications

Daniela Monti – Institute of chemistry of molecular recognition, Italy
Novel "hot" epoxide hydrolases: from discovery in metagenomes to synthetic exploitation

Berndt Nidetzky – Graz University of Technology, Austria
Novel synthetic glycosylations and phosphorylations in single and multi-enzyme catalyzed transformations

Leandro Helgueira de Andrade – University of São Paulo, Brazil
From enzyme prospection to synthetic applications with hetero-compounds

Slavko Kralj – Dupont, The Netherlands
Biocatalysis towards the production of specialty carbohydrates

Oxidative biocatalysis

Monika Muller – DSM, The Netherlands
Application of P450 monooxygenases on kg scale

Rubén Gómez Castellanos – University of Pavia, Italy
New Baeyer-Villiger monooxygenases by discovery and engineering

Boris Schilling – Givaudan, Switzerland
Use of Biocatalysis for the Production of Flavor and Fragrance Ingredients

ROBOX
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We look forward to welcoming you in Groningen!

university of groningen · ESAB Section on Applied Biocatalysis · SysBiocat · novozymes · bio-prodict · Megazyme