

	Tue 14 th	Wed 15 th	Thu 16 th	Fri 17 th	
09:00		Florian Hoffelder EE-06: Kristyna Slamova The first transglycosidase derived from a GH20 β-N-acetylhexosaminidase EE-07: Régis Fauré Towards non-Leloir transarabinofuranosidases using a molecular evolution strategy applied to a GHS1 EE-08: Andreas Vogel Optimizing enzymes for preparative synthetic performance	Stefano Servi Introduction COST-Action SysBioCat Nicholas Turner Design and Evolution of New Biocatalysts for Organic Synthesis COST-01: Alexander Gutmann Flavonoid glucosylation by glycosyltransferase-catalyzed cascade reactions COST-02: John Ward Synthetic plant norcoclaurine synthase – a Pictet-Spenglerase for the synthesis of diverse benzylisoquinoline alkaloids	Dan Herschlag How Enzymes Work COST-12: Benjamin Lichman Novel Catalytic Mechanism and Kinetics of the Benzylisoquinoline Alkaloid Enzyme Norcoclaurine Synthase COST-13: Linda Otten Structural characterization of carotenoid 1,2-hydratases COST-14: Ayelet Fishman Catching tyrosinase in the act with crystal structures of bound substrate and product.	09:00
		Coffee break	Coffee break	Coffee break	
11:00		Wolf-Dieter Fessner Engineering Promiscuous Enzymes for Organic Synthesis Kristala Prather In vivo biocatalysis: probing enzyme range in context	Poster session COST-03: Kateřina Purchartov Comparison of aryl sulfotransferases - metabolic studies of flavonoids and flavonolignans. COST-04: Piotr Kielbasiński Hydrolytic enzyme-based syntheses of enantiopure heteroatom derivatives as precursors to chiral catalysts COST-05: Ivana Drienovsk Novel artificial metalloenzymes by in vivo incorporation of metal-binding unnatural amino acids	Jürgen Eck Catalysing Bioeconomy Percival Zhang The Fourth Wave of Biocatalysis: in vitro Biosystems for Biomanufacturing	11:00
12:00	Registration	Lunch	Lunch	Lunch	12:00
13:00	Words of welcome				13:00
14:00	Donald Hilvert Building Better Enzymes Poster talks PT-01: David Niquille (EE-33) PT-02: Ilse van de Voorde (EA-23) PT-03: Sarah Prexler (EM-08) PT-04: Stephan Kolkenbrock (ED-11) PT-05: Adele Williamson (ED-19) PT-06: Lisa Blaschke (ED-06) PT-07: Dominik Rais (ED-13) EE-01: Tom van den Bergh Massive protein superfamily data integration applied to smart library design	Yasuhisa Asano Novel enzymes for organics synthesis and diagnostics uses ED-01: Heba Al Khamici Members of the Chloride Intracellular Ion Channel Protein Family Demonstrate Glutaredoxin-Like Enzymatic Activity ED-02: Katarzyna Ciesielaka Discovery of lactone esterase in the exproteome of <i>Starmarella bambicola</i> ED-03: Rosario Medici Serine decarboxylases: new enzymes for the bio-based production of ethanolamine EM-02: Jennifer Littlechild A novel Archaeal "Split Transketolase" Enzyme: reconstitution, structural and evolutionary perspectives	John Woodley Tools for process analysis of new biocatalytic processes COST-06: Winnie Dejonghe Process intensification in ω-transaminase based reaction COST-07: Madalina Sandulescu-Tudorache Enzyme application in the glycerol biorefinery - biocatalytic conversion of glycerol into value-added products COST-08: Lszl Poppe MIO-enzymes – Novel enzymes, immobilization methods and applications	Bettina Siebers Archaea X-treme: From basic research to exploitation EE-09: Koen Beerens FireProt: Computational design of thermostable multiple-point mutants by energy- and evolution-based approach EE-10: Charles Tellier Engineering transglycosidases for oligosaccharide synthesis EA-01: Martin Elstner On the way to a sugar computer – algorithm driven approach for chemical logic gate integration Final remarks / poster price	14:00
15:00	Coffee break	Coffee break	Coffee break		15:00
16:00	Poster session	Tom Desmet Introduction FP7-protect Novosides Tom Desmet Improving the glycosylation potential of sucrose phosphorylase through enzyme and process engineering Evelien te Poele Glucosylation of stevia using glucansucrase enzymes of <i>Lactobacillus reuteri</i> Vladimir Kren α-L-Rhamnosyl-β-D-glucosidase (rutinosidase) from <i>A. niger</i> : Characterization and synthetic potential of a novel diglycosidase Alexander Schiller Boronic acid probes for enzyme assays and molecular computing Emile Redant Demonstrating the feasibility and economic potential of enzymatic glycosylation at the Bio Base Europe Pilot Plant	Poster session Loredano Pollegioni Protein engineering of an industrial biocatalyst: evolution of ε cephalosporin C acylase COST-09: Marielle Lemaire Mining genomes for innovative biocatalysts: new aldolases for the chemist's toolbox COST-10: Francesca Paradisi A novel ω-transaminase from the moderate halophile bacterium <i>Halomonas elongata</i> COST-11: Francisco Plou Novel β-fructofuranosidases from non-conventional yeasts for the synthesis of novel fructosylated derivatives		16:00
17:00					17:00
18:00					18:00
19:00	Reception	Poster session (in parallel) Novosides PR-event			19:00
20:00			Dinner		20:00
	Poster sessions / Poster talks	SysBioCat (COST-Action CM1303)	Enzyme Engineering (EE)	Enzyme Mechanisms (EM)	
	social events / breaks	Satellite Novosides Symposium	Enzyme Application (EA)	Enzyme Discovery (ED)	