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6th Central Europe Conference
TRIESTE - Italy
September 10-13, 2013



PROGRAMME

Tuesday 10/09/2013: Building A

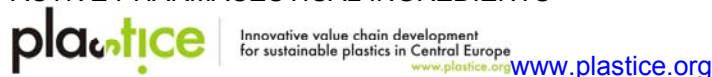
13.30		Registration
14.30 – 15.00		Opening session
		Chairperson: E. Žagar
15.00 – 16.00	PL1	György Miklós Keserű FINDING THE SWEET SPOT – THE ROLE OF NATURE AND NURTURE IN MEDICINAL CHEMISTRY
16.00 – 16.20	O1	M. Urban , P. Dzubak, M. Hajduch, M. Vlk, J. Sarek CYTOTOXIC HETEROCYCLIC TRITERPENOIDS DERIVED FROM BETULIN AND BETULINIC ACID
16.20 – 16.40	O2	Jan Hlaváč HIGH THROUGHPUT SYNTHESIS IN NEW DRUG DISCOVERY AND DIAGNOSTICS DEVELOPMENT
16.40 – 17.00	O3	A.N. Harrison , S. Krpkova, M. Melchionna, J. Hlaváč SYNTHESIS AND CHIRAL SEPARATION OF STRUCTURALLY DIVERSE OXAZINES FOR DRUG DESIGN
17.00 – 17.20	O4	M. Petráček , J. Hlaváč. STUDY OF CONVERSION OF SELECTED 2-SUBSTITUTED 3-HYDROXYQUINOLINE-4-(1H)-ONE AND THEIR FLUORESCENT PROPERTIES.
17.20– 17.40	O5	Kristýna Bürglová , J. Hlaváč DESIGN, SYNTHESIS AND BIOLOGICAL PROPERTIES OF SELECTED 3-HYDROXYQUINOLIN-4(1H)-ONES
17.40 – 18.00	O6	G. Milcovich , F. E. Antunes, F. Asaro, M. Grassi STRUCTURE AND DYNAMICS OF POLYMER-SURFACTANT HYDROGELS FOR BIOACTIVE MOLECULE DELIVERY
18.00 – 18.20	O7	E. Chiarparin FRAGMENT BASED APPROACHES TO POTENT ANTAGONISTS OF PROTEIN-PROTEIN INTERACTIONS
18.20		Welcome buffet

Wednesday 11/09/2013: Building H3

		Chairperson: S. Tomić
9.00 – 10.00	PL2	Kristina Djinović-Carugo INSIGHTS INTO REGULATION OF LIGAND BINDING AND Z-DISK ASSEMBLY FROM CRYSTAL STRUCTURE OF HUMAN MUSCLE α -ACTININ
10.00 – 10.20	O8	Pavkov-Keller Tea , Steinkellner Georg, Gruber Karl THE CRYSTAL STRUCTURE OF ALMOND HNL PROVIDES A RATIONALE FOR THE LACK OF OXIDOREDUCTASE ACTIVITY
10.20 – 10.40	O9	K. Lewiński , J. I. Loch STRUCTURAL STUDIES ON β -LACTOGLOBULIN AS A POTENTIAL DRUG CARRIER
10.40 – 11.00		coffee break
		Chairperson: K. Djinović-Carugo
11.00 – 11.20	O10	N. Goessweiner-Mohr, L. Grumet, C. Fercher, R. Birner-Gruenberger, E. Grohmann, W. Keller STRUCTURAL CHARACTERIZATION OF CONJUGATION PROTEINS FROM THE ENTEROCOCCUS FAECALIS TYPE IV SECRETION SYSTEM
11.20 – 11.40	O11	B. Gyurcsik , A. Czene, E. Tóth, H. Otten, J.-C.N. Poulsen, S. Larsen, H.E.M. Christensen and K. Nagata NUCLEASE DOMAIN OF COLICIN E7 AS A POTENTIAL PLATFORM FOR ARTIFICIAL METALLONUCLEASES
11.40 – 12.00	O12	V Ferrario , L Siragusa, M Foscatto, C Ebert, G Cruciani, L Gardossi 3D-STRUCTURE BASED ANALYSIS OF CATALYTIC SITES FOR RATIONAL ENZYME ENGINEERING
12.00 – 12.20	O13	C. A. Bortolotti , M. Sola, L. Paltrinieri, G. Battistuzzi, C. Tavagnacco, M. Borsari, I. Daidone, S. Corni THE REDOX FUNCTIONALITY OF A PROTEIN IS DETERMINED BY ITS DYNAMIC INTERACTION WITH THE SURROUNDING SOLVENT
12.20 – 12.40	O14	B. Szalainé Ágoston, Z. Magos, A. Felméry, A. Lang, L. Kalmár, P. Tompa and A. Perczel IN VITRO AND IN VIVO NMR SPECTROSCOPY ON A STRUCTURAL DISORDER PLANT DEHYDRIN PRESENTING CHAPERONE ACTIVITY
12.40 – 13.00	O15	Sanja Tomić , Antonija Tomić, Hrvoje Brkić ELUCIDATION OF METAL ION-BINDING SITES IN PROTEINS
13.00 – 15.00		Lunch



15.00 – 16.00 **PL3** Chairperson: G. M. Keserű
Ema Žagar, David Pahovnik, Peter Perdih and Mateja Cegnarb
SYNTHESIS AND APPLICATION OF BIODEGRADABLE AND
BIOCOMPATIBLE POLYMERIC CARRIERS FOR DELIVERY OF
ACTIVE PHARMACEUTICAL INGREDIENTS



16.00 – 17.30 Coffee break and Poster session

Thursday 12/09/2013: Building H3

9.00 – 10.00 **PL4** Chairperson: L. Gardossi
Robert Vianello, M. Repič and J. Mavri
COMPUTATIONAL INSIGHT INTO THE CATALYTIC ACTIVITY AND
IRREVERSIBLE INHIBITION OF MONOAMINE OXIDASE FOR
TARGETING NEUROLOGICAL DISEASES

10.00 – 10.20 **O16** **G. Brancatelli**, S. Geremia
MOLECULAR RECEPTORS: RECOGNITION OF AMINO ACIDS BY
CAVITANDS

10.20 – 10.40 **O17** **J. Polański**, M. Serda, A. Mrozek-Wilczkiewicz, R. Musioł
NOVEL SERIES OF ANTICANCER THIOSEMICARBAZONE IRON
CHELATORS

10.40 – 11.00 coffee break

11.00 – 11.20 **O18** Chairperson: R. Vianello
G. Stochel, Ł. Orzeł, L. Fiedor, J. Dąbrowski J. Dąbrowski
MODIFICATIONS OF CHLOROPHYLLS - FROM PHOTOSYNTHESIS
TO PHOTODYNAMIC THERAPY

11.20 – 11.40 **O19** **F. Šulek**, I. Milošev
INHIBITION OF BACTERIA ONTO CHITOSAN-BASED COATED
METALS



11.40 – 12.00 **O20** **V. Andrushchenko**, P. Bouř
ELUCIDATION OF DNA STRUCTURE BY A COMBINATION OF
VIBRATIONAL SPECTROSCOPY AND THEORETICAL
CALCULATIONS

12.00 – 12.20 **O21** **G.G. Sivets**, E.N. Kalinichenko, M.A. Detorio, T.R. McBrayer, T. Whitaker, R.F. Schinazi
SYNTHESIS OF PURINE 2',3'-DIDEOXY-2',3'-DIFLUORO-D-ARABINOFURANOSYL NUCLEOSIDES AS POTENTIAL INHIBITORS OF HUMAN IMMUNODEFICIENCY VIRUS

12.20 – 12.40	O22	V. Víglaský , Tóthová P., Krafčíková P., and Tlučková K. CELLULAR AND VIRAL G-QUADRUPLEXES
12.40 – 14.30		Lunch
Chairperson: S. Geremia		
14.30 – 14.50	O23	A. Litinsky , O. Golan, A. Isak and A. Shainberg Nucleotide Derivatives Protect Cardiomyocytes against Hypoxic Stress
14.50 – 15.10	O24	N.S. Kudryasheva , A.S.Tarasova, M.A.Selivanova CHEMICAL, BIOCHEMICAL, AND CELLULAR PROCESSES IN SOLUTIONS OF TOXIC COMPOUNDS AND DETOXIFYING AGENTS
15.10 – 15.30		coffee break
15.30 – 18.00		Round Table: Horizon 2020 and Central Europe
19.30		Social dinner

Friday 13/09/2013: Building H3

Chairperson: P. Cescutti		
9.00 – 10.00	PL5	Francesco Nicotra , Laura Cipolla, Laura Russo, Luca Gabrielli, Davide Bini, Antonella Sgambato MATERIALS GLYCOSYLATION IN REGENERATIVE MEDICINE
10.00 – 10.30		Coffee break
Chairperson: R. Rizzo		
10.30 – 10.50	O25	I.Wandzik , J. Paszkowska, T. Bieg, K. Kral, U. Nawrot, K. Žaba, W. Szeja SYNTHESIS AND BIOLOGICAL EVALUATION OF URIDINE DERIVATIVES AS POTENTIAL INHIBITORS OF GLYCOSYLTRANSFERASES
10.50 – 11.10	O26	Elena Pellizzoni, Fabio Ravalico, Denis Scaini, Ambra Delneri, Roberto Rizzo, Paola Cescutti ROLE OF POLYSACCHARIDES IN BIOFILMS PRODUCED BY BURKHOLDERIA CEPACIA COMPLEX BACTERIA
11.10 – 11.30	O27	E. Németh , T. Körtvélyesi, P. W. Thulstrup, H.E.M. Christensen, B. Gyurcsik FINE TUNING OF THE CATALYTIC ACTIVITY BY THE POSITIVELY CHARGED RESIDUES AT THE N-TERMINUS OF THE COLE7 NUCLEASE
Chairperson: S. Geremia		
11.30 – 12.30	PL6	Georg M. Guebitz , Enrique Herrero Acero , Karolina Härnvall , Patrick Fladischer , Georg Steinkellner, Birgit Willtschi, Karl Gruber, Helmut Schwab,Christian P. Kubicek, Irina S. Druzhinina, Doris Ribitsch SYNTHETIC ENZYMES FOR SYNTHETIC POLYMERS
12.30		Closing