

RESEARCH CONFERENCES

ESF-COST High-Level Research Conference

Natural Products Chemistry, Biology and Medicine III

Hotel Villa del Mare, Acquafredda di Maratea, Italy • Italy

5-10 September 2010

List of Accepted Posters

Surname	First Name	Poster Title
1	Adityawarman	Meta Total Synthesis of 8,9-dehydro Epothilone C, Schinzer, Dieter., Adityawarman, Noviandi Meta., Otto-Von guericke Universitaet Magdeburg.
2	Ahmed	Nafees Total synthesis of (\pm) Batzelladine K and its derivatives for anti-HIV activity. Nafees Ahmed, Keyur G. Brahmabhatt, Kamlesh K. Bhutani Department of Natural Products, National Institute of Pharmaceutical Education and Research (NIPER), Sector 67, S. A. S. Nagar, Mohali-160062, Punjab, India
3	Al-Hunaiti	Afnan Organocatalytic Oxidation Of Benzylalcohol Afnan Al-hunaiti, Markku Leskelä, Timo Repo* Laboratory of Inorganic Chemistry, Department of Chemistry, University of Helsinki, P. O. Box 55, FI-00014 University of Helsinki, Finland. Fax: +358 9 191 50198; Tel: +358 9 191 50194; E-mail: timo.repo@helsinki.fi.
4	Bluhm	Nadine Synthesis of 20-desoxy-spirangien and natural product based probes for the protein profiling
5	Botta	Lorenzo LORENZO BOTTA, ^y DANIELE CASTAGNOLO, ^y LORENZO CONTEMORI, ^y GIORGIO MACCARI, ^y STANISLAVA I. AVRAMOVA, ^y ANNALISA NERI [¥] GIAMPIETRO SGARAGLI, [¥] AND MAURIZIO BOTTA ^y ^y DIPARTIMENTO FARMACO CHIMICO TECNOLOGICO, UNIVERSITÀ DEGLI STUDI DI SIENA, , VIA ALDO MORO, 53100 SIENA, ITALY, FAX +39-0577-234333, botta.maurizio@gmail.com [¥] DIPARTIMENTO DI NEUROSCIENZE, UNIVERSITÀ DI SIENA, VIA ALDO MORO, 53100 SIENA, ITALY
6	Boysen	Mike Martin Kwabena Carbohydrates for Catalysis, Tobias Minuth, Holger Grugel, Mustafa Irmak, Mike M. K. Boysen Leibniz University of Hannover, Institute of Organic Chemistry
7	Brown	Laura Thiazolylpeptide antibiotics: elucidation of their biosynthesis, and the discovery of one member living close to home.
8	Calcaterra	Andrea BIOSYNTHESIS OF EPI-PODOPHYLLOTOXIN ANALOGUES BY PEROXIDASES ENZYMES ANDREA CALCATERRA (A), ROBERTA TORGE (A), BRUNO BOTTA (A), ALBERTO BOFFI(B) (A) DIPARTIMENTO DI CHIMICA E TECNOLOGIA DEL FARMACO

(B) DIPARTIMENTO DI SCIENZE BIOCHIMICHE
UNIVERSITÀ DEGLI STUDI DI ROMA "SAPIENZA" P.LE ALDO MORO 5, 00185 ROMA, ITAL

9	Castagnolo	Daniele	Macrocyclization of natural guanlylated polyamines: discovery of macrocyclic amidinouretas as novel antifungal agents. Daniele Castagnolo ¹ , Paolo Visca ² , Brunella Posteraro ³ and Maurizio Botta* ¹ ¹ Dipartimento Farmaco Chimico Tecnologico, Università degli Studi di Siena, via A. de Gasperi 2, 53100 Siena, Italy ² Department of Biology, University "Roma Tre", Viale Guglielmo Marconi 446, I-00146 Rome, Italy ³ Istituto di Microbiologia, Università Cattolica del Sacro Cuore, Largo F. Vito, 1 I-00168 Rome, Italy
10	Cerreto	Antonella	THE ITALIAN OLIVE OILS AS "SEEN" BY THE NUCLEAR MAGNETIC RESONANCE A. Cerreto(1), B. Botta(1), L. Mannina(1), R. Petroccione(1), M. Gobbino(2), A. P. Sobolev(2), D. Capitani(2), A. Scaramozzino(3), R. Filo della Torre(3). (1)Sapienza Università di Roma, Dip.Chimica e Tecnologie del Farmaco, 00185 Roma, Italy (2)Istituto di Metodologie Chimiche, CNR, Area della Ricerca di Roma 1, Laboratorio di Risonanza Magnetica "Annalaura Segre", Monterotondo Staz. 00016 Roma, Italy (3)UNAPROL, Consorzio Olivicolo Italiano, Via Rocca di Papa 12, 00179 Roma, Italy
11	Cheng	Jing-Jy (nana)	Tumor suppression and angiogenesis inhibition of protoilludance norsesquiterpenoid esters from <i>Armillaria mellea</i> Jing-Jy Chenga,* , Chien-Chih Chenb and Chiou, Chun-Tang a a. National Research Institute of Chinese Medicine, Taipei, Taiwan b. Department of Biotechnology, HungKuang University, Taichung, Taiwan
12	Corbo	Filomena	Synergistic antibacterial action of gentamicin and some essential oils against certain species of bacteria. Filomena Corbo, Antonio Rosato, Monica Piarulli, Marilena Muraglia, Dora Carone , Cesare Vitali Department of Pharmaceutical Chemistry, University of Bari, Via Orabona 4 70125 Bari
13	Coudert	Gerard	Short access to functionalized and/or polycyclic 1,4-diazine derivatives from 1,4-oxazine moiety – Application to the preparation of bioactive compounds and/or natural products
14	Cribiù	Riccardo	SYNTHETIC TOOLS IN CHEMICAL BIOLOGY: TOTAL SYNTHESIS AND BIOLOGICAL EVALUATION OF IRIOMOTEOLIDE-3a AND ANALOGUES.
15	Czarnocki	Zbigniew	Stereoselective Synthesis of Isoquinoline and β -Carboline Derivatives of Pharmacological Importance Piotr Roszkowski, Joanna Szawkało, Jan K. Maurin, Zbigniew Czarnocki Faculty of Chemistry, University of Warsaw, Krakowskie Przedmiescie 26/28, 00-927 Warsaw, Poland
16	Daniels	David	"Novel Palladium-Mediated Reactions: Asymmetric Synthesis of Propargylic Heterocycles" - David S. B. Daniels and Dr. Edward A. Anderson - University of Oxford, UK
17	Elsebai	Mahmoud	Novel Phenalenone Derivatatives Elsebai MF, Kehraus S, König GM Bonn University, Institute for Pharmaceutical Biology, Nussallee 6, 53115 Bonn, Germany, elsebai72@yahoo.com
18	Fuksova	Katerina	Synthesis of optically pure semisynthetic derivatives of silybin Katerina Fuksova, Radek Gazak, Katerina Purchartova, Petr Marhol, Vladimir Kren
19	Gersbach	Philipp	Total Syntheses of Mycolactones and Structure-Toxicity Relationships; Philipp Gersbach, Li Jun, Karl-Heinz Altmann*
20	Gieseler	Marc Timo	"Studies towards the total synthesis of Angiolam A"; Marc T. Gieseler, Markus Kalesse
21	Hansen	Poul Erik	Hydrogen bonding and tautomerism of natural products. Use of deuterium isotope effects on chemical shifts and ab

			initio calculations in structural studies.
22	Hartmann	Olaf	Studies towards the total synthesis of Aurafuron A and its derivatives, Olaf Hartmann, Leibniz University of Hannover, Germany
23	Hwang	Geum-Sook	Metabolomic approach for classification and quality control of herbal medicine
24	Khan	Tabassum	BIOACTIVITY-GUIDED FRACTIONATION OF THE AERIAL ROOTS OF FICUS BENGHALENSIS Khan T. A., Tatke P. A. and Gabhe S.Y. C.U.Shah College of Pharmacy, SNTD Women's University, Santacruz (W), Mumbai, India
25	Khartulyari	Anton	Stereoselective Synthesis of Protected Polyols: Application for the Preparation of Carbohydrates.
26	Lewis	Simon Eliot	An unusual mode of microbial arene oxidation: expanding the chiral pool. Simon E. Lewis, University of Bath, U.K. Monika Ali Khan, University of Bath, U.K. Alan J. W. Stewart, OSI Prosidion Ltd, U.K.
27	Maier	Martin E.	Approaches to oxa-bridged guaianolides
28	Minassi	Alberto	MULTICOMPONENT REACTIONS BEYOND THE IMINIUM ION TRAIL: TOTAL SYNTHESIS OF ARZANOL, THE ANTI-INFLAMMATORY PRINCIPLE OF ETERNELLE (<i>HELICRYSUM ITALICUM</i> L.); A. MINASSI*, L. CICIONE, G. APPENDINO; DISCAFF, VIA BOVIO6, 28100 NOVARA, ITALY
29	Moons	Nico	Synthesis of derivatives of steviol with pharmacological effects in zebrafish
30	Natesan	Lavanya	Exploring <i>Herpetosiphon aurantiacus</i> genome to harness its biosynthetic potential, Natesan L.(a), Nett M.(b), König G.M.(a), (a)Institute of Pharmaceutical Biology, Nussallee 6, University of Bonn, 53115 Bonn. (b)Leibniz-Institute for Natural Product Research and Infection Biology, Hans-Knöll-Institute, Beutenbergstrasse 11a, 07745 Jena.
31	O'reilly	Ciaran	Synthesis bacterial glycosphingolipid mimics Ciaran O'Reilly and Paul V. Murphy School of Chemistry, NUI Galway, University Rd., Galway, Ireland and Centre for Synthesis and Chemical Biology, University College Dublin
32	Paddock	Victoria	The Total Synthesis of Clivonine Victoria Paddock; Carles Giró Mañas; Alan C. Spivey. Imperial College London; EPSRC.
33	Prusov	Evgeny	Elucidation of Relative and Absolute Configuration of Maltepolide E; Prusov E., Irschik H., Washausen P.; Helmholtz Centre for Infection Research.
34	Purchartova	Katerina	Enzymatic Kinetic Resolution of Silybin Diastereoisomers Katerina Purchartova,§ Daniela Monti,† Radek Gazak,§ Petr Marhol,§ David Biedermann,§ Sergio Riva,† and Vladimir Kren,§ § Institute of Microbiology, Centre of Biocatalysis and Biotransformation, Academy of Sciences of the Czech Republic, Videnska 1083, CZ-142 20 Prague, Czech Republic, k.a.m.i.k@centrum.cz † Istituto di Chimica del Riconoscimento Molecolare, C.N.R., Via Mario Bianco 9, I-20131 Milano, Italy
35	Roussaki	Marina	A new series of QuinolinyI Chalcones and evaluation of their Antiparasitic Activity against <i>Trypanosoma brucei</i>

Marina Roussaki¹, Belinda Hall², Shane Wilkinson², Anastasia Detsi¹

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36	Roviello	Giovanni	Nucleobase-containing peptides: synthesis, spectroscopic properties and biological evaluation. G.N.Roviello; D. Musumeci; E.M. Bucci and C. Pedone. IBB-CNR; I-80134 - Naples
37	Ryu	Do Hyun	Catalytic Enantioselective Synthesis of beta-Iodo Morita-Baylis-Hillman Esters and its Application, Do Hyun Ryu*, Sung Il Lee, Bidyut Kumar Senapati, Geum-Sook Hwang and Department of Chemistry, Sungkyunkwan University, Suwon 440-746 and Korea Basic Science Institute, 5St, Anam-Dong, Seongbuk-Gu, Seoul, Republic of Korea.
38	Sacco	Fabiola	Enzymatic Benzylisoquinoline Alkaloids Biosynthesis Fabiola Sacco, (a) Bruno Botta, (a) Irene Rovardi, (a) Alberto Boffi. (b) (a) Dipartimento di Chimica e Tecnologie del Farmaco, "Sapienza" Università di Roma, P.le Aldo Moro 5, 00185 Rome, Italy (b) Dipartimento di Scienze Biochimiche 'A. Rossi Fanelli', "Sapienza" Università di Roma, P.le Aldo Moro 5, 00185 Rome, Italy E-mail: fabiola.sacco@uniroma1.it
39	Sunassee	Suthananda Naidu	Marine natural product templates for the design of new cytotoxic naphthoquinones and prenylated toluquinones. Suthananda N. Sunassee a, Nelusha Shunmoogam-Gouden b, Denver T. Hendricks b, Mino R. Caira c, Michael T. Davies-Coleman a. a Department of Chemistry, Rhodes University, Grahamstown 6140, South Africa. b Division of Medical Biochemistry, Medical School, University of Cape Town, South Africa c Department of Chemistry, University of Cape Town, Rondebosch 7707, South Africa
40	Telligmann	Susanne	Ligands and Organocatalysts based on D-Glucosamine and Proline Susanne M. Telligmann, M. Irmak, Mike M. K. Boysen Institute of Organic Chemistry, Gottfried Wilhelm Leibniz University Hannover, Schneiderberg 1B, D-30167 Hannover, Germany
41	Ushakov	Dmitry	Synthetic Studies towards Englerin A
42	Vlk	Martin	Triterpenoids - potential drugs against cancers Martin Vlk[1], Maria Mayordomo Martinez[1], Jan Sarek[2], Tomas Elbert[3], Jan John[1] and Marian Hajduch[4]. [1] Department of Nuclear Chemistry, Faculty of Nuclear Sciences and Physical Engineering, Czech Technical University, Brehova 7, 115 19 Prague 1, Czech Republic, martin.vlk@fjfi.cvut.cz. [2] Department of Organic Chemistry, Faculty of Science, Palacky University, Trida 17. listopadu 12, 772 07 Olomouc, Czech Republic. [3] Institute of Organic Chemistry and Biochemistry, Academy of Sciences, Flemingovo n. 2, 166 10 Prague 6, Czech Republic. [4] Laboratory of Experimental Medicine, Faculty of Medicine and Dentistry, Palacky University, Puskinova 6, 772 07 Olomouc, Czech Republic.
43	Winter	Christian	"Synthesis of a Very Unusual and Complex Amino Acid on the Way to the Biologically Active Microsclerodermins", C. Winter, J. A. Kershaw, T. J. Donohoe, University of Oxford