June 1-3, 2017 • THESSALONIKI HELLENIC SYMPOSIUM Designing targeted and safer drugs Symposium Venue: Aristotle University of Thessaloniki Amphitheater II Research Dissemination Center (K.E.D.E.A.)		
	Thursday, June 1, 2017	
Satellite: Pharmaceutical Analysis Session 1		
Chairs: TBA 09:00-10:00	Registrations	
10:00-10:30	LC-MS/MS based targeted metabolomics. Application in	
10.00-10.30	biomarker discoveryand the characterization of biological samples. Georgios Theodoridis, Aristotle University of Thessaloniki, Greece	
10:30-10:50	Metabolomics in the discovery of new biomarkers <i>Evangelos Gikas, National and Kapodistrian University of</i> <i>Athens, Greece</i>	
10:50-11:20	Mass Spectrometry-Based Proteomics in Preclinical Drug Discovery, Development and Re-positioning Michalis Aivaliotis Institute of Molecular Biology and Biotechnology, FORTH, Heraklion, Greece	
11:20-11:35	A UHPLC-MS/MS method for the detection of drugs and pharmaceuticals in human bones <u>Amvrosios Orfanidis¹</u> , Orthodoxia Mastrogianni ² , Helen Gika ¹ , Georgios Theodoridis ³ , Eleni Zaggelidou ² , Nikolaos Raikos ¹ ¹ Laboratory of Forensic Medicine & Toxicology, Medical School, Aristotle University Thessaloniki ² Laboratory of Forensic Service of Ministry of Justice of Thessaloniki ³ School of Chemistry, Laboratory of Analytical Chemistry, Aristotle University Thessaloniki	
11:35-12:00	Coffee Break	
Session 2 Chairs: TBA		
12:00-12:30	2-D and 3-D Printing of solid dosage forms for Personalized Medicine <i>Dimitrios Fatouros, Aristotle University of Thessaloniki,</i> <i>Greece</i>	
12:30-12:50	Dried matrix spots: Applications, challenges and future trends Yannis Dotsikas, National and Kapodistrian University of Athens,Greece	

12:50-13:10	Biomimetic Chromatography as a rapid and efficient tool to investigate ADME properties <i>Fotios Tsopelas, National and Technical University of</i> <i>Athens, Greece</i>
13:10-13:25	An application of ICH guidelines on metronidazole photostability kinetic studies. The sample initial concentration effect. Olga Galanopoulou, ELPEN Pharmaceutical Co. Inc
13:25-13:40	Isolation and Analysis of Fomentariol-An active constituent of mushroom Fomes Fomentarius Jelena Golubović ¹ , Nevena Maljurić ¹ , Matjaž Ravnikar ² , Dušan Žigon ³ , Janko Ignjatović ¹ , Biljana Otašević ¹ , Borut Štrukelj ² ¹ Department of Drug Analysis, Faculty of Pharmacy, University of Belgrade Serbia ² Chair for Pharmaceutical Biology, University of Ljubljana, Slovenia ³ Jožef Stefan Institute, Ljubljana, Slovenia

15:00-16:30	Registrations
Session 1	
Chairs: TBA	
16:30-17:00	Official Opening of the Hellenic Symposium on Medicinal Chemistry
17:00-17:40	Protein Dynamics for Ligand Design
	Rebecca Wade, Heidelberg University, Germany
17:40-18:20	The challenge of Multi-Targeting Drug Design seen from a computational chemistry point of view
	Stefano Alcaro, Università "Magna Græcia" di Catanzaro, Italy
18:20-18:50	Metal Chelating Agents against Viruses and Parasites
	Grigoris Zoidis, National and Kapodistrian University of
	Athens, Greece
18:50-19:10	Small molecule modulators of utrophin for the treatment of Duchenne Muscular Dystrophy
	Maria Chatzopoulou, University of Oxford, Oxford, U.K.
19:10-19:30	Quinazoline oxime esters as novel DNA Photo cleavers unser both UVB and UVA Irradiation
	Konstantina Fylaktakidou, Chemistry of Organic
	Compounds, Molecular Biology and Genetics Department,
	Democritus University of Thrace, Alexandroupolis, Greece
19:30	Welcome reception

Friday, June 2, 2017

Session 2 Chairs: TBA	
09:00-9:30	The crystal structure of glycogen phosphorylase in complex with new potent inhibitors discloses the properties of the catalytic site and sheds light in the design of new antidiabetic agents, converging

	the income it as f Oisers that
	University of Siena, Italy
	³ Department of "Scienze della Salute", University "Magna
	Graecia" of Catanzaro, Italy
10.05.11.15	⁴ Institute of Molecular Genetics, IGM-CNR, Pavia, Italy
13:05-14:15	Lunch
14:15-15:30	Poster session and coffee
Session 4	
Chairs: TBA	Dividing Offe Departmetics, Analysis of Operation News
15:30-16:00	Binding Site Description Analysis of Some New
	Benzothiazole Derivatives as hGST P1-1 Enzyme Inhibitors
	Ismail Yaltsin, Ankara University, Turkey
16:00-16:30	Design and Synthesis of Topoisomerase II inhibitors.
10.00-10.30	Ioannis Kostakis, Faculty of Pharmacy, National and
16:30-16:45	Kapodistrian University of Athens, Greece Research in Antibacterial and Antioxidant activity of
10.00-10.40	essential oils deriving from herbs of Mediterranean flora
	<u>Eleftheria Chorti-Tripsa¹, Christos Kontogiorgis¹, Diamanto</u>
	Lazari ² , Dimitra Hadjipavlou-Litina ³ , Athanasios
	Tselemponis ¹ , Theodoros Constantinidis ¹
	¹ Medical Department, Democritus University of Thrace,
	Alexandroupolis, Greece
	² Laboratory of Pharmacognosy, Faculty of Pharmacy,
	Aristotle University of Thessaloniki, Thessaloniki, Greece
	³ Laboratory of Pharmaceutical Chemistry, Faculty of Pharmacy, Aristotle University of Thessaloniki, Thessaloniki,
	Greece
16:45-17:00	Synthesis of new pyrazoline analogues and their
10.10 11.00	evaluation in terns of their anti-oxidant and soubean
	lipoxynesane inhibitory activity
	Ioanna Kostopoulou ¹ , Antonia Diassakou ¹ , Eleni Kavetsou
	¹ , Andromachi Tzani ¹ , Marina Roussaki ¹ , Dimitra
	Hadjipavlou-Litina ² , Eleni Pontiki ² , Anastasia Detsi ¹
	¹ School of Chemical Engineers, National Technical
	University of Athens, Greece
	² Department of Pharmaceutical Chemistry, Faculty of
	Pharmacy, Aristotle University of Thessaloniki, Thessaloniki,
	Greece
17:00-17:30	Coffee
17:30- 18:10	Autophagic pathways in health and disease: Mitophagy
	and neurodegeneration
	Nektarios Tavernarakiis, Foundation for Research and
	Technology, Greece
18:10-18:25	Design and pharmacochemical study of novel
	compounds containing antioxidant acids and CNS-
	Acting moieties
	<u>Georgios Papagiouvannis.</u> Evangelia Papapostolou, Ourania
	Stogianopoulou, Panos Kourounakis, Eleni Rekka

	Department of Medicinal Chemistry, School of Pharmacy,
	Aristotle University of Thessaloniki
18:30-18:45	In honor of Emeritus Professor Panos Kouroumakis Eleni Rekka, Aristotle University of Thessaloniki Department of Medicinal Chemistry, School of Pharmacy, Aristotle University of Thessaloniki
18:45-19:15	Thoughts on teaching and research in MedicinalChemistryPanos Kourounakis, Aristotle University of ThessalonikiDepartment of Medicinal Chemistry, School of Pharmacy,Aristotle University of Thessaloniki
	Saturday, June 3, 2017
Session <mark>©</mark> Chairs: TBA	
09:15-9:45	Development of phosphinic pseudopeptide inhibitors of Zn-metalloproteases associated with the modulation of immune response Dimitris Georgiadis, Department of Chemistry, National and Kapodistrian University of Athens, Greece
09:45:10:05	Dynamic origins of MHC-I function in antigenic peptide selection Athanassios Papakyriakou, University of Southampton, U.K.
10:05-10:20	New artemisin hybrid molecules: synthesis and In Vitro antileukemic activity <u>Antonios S. Letis¹</u> , Ean-Jeong Seo ² , Sotiris S. Nikolaropoulos ¹ , Thomas Efferth ² , Athanassios Giannis ³ , Manolis A. Fousteris ¹ ¹ Laboratory of Medicinal Chemistry, Department of Pharmacy, University of Patras, Greece ² Department of Pharmaceutical Biology, Institute of Pharmacy and Biochemistry, University of Mainz, Germany ³ Institute of Organic Chemistry, Faculty of Chemistry and Mineralogy, University of Leipzig, Germany
10:20-10:35	New C-nor-D-homo spiro-steroids with potential activity in Hedgehog signaling pathway <u>Aggeliki Roumana</u> ¹ , Dimanthi Pliatsika ² , Marina Bantzi ² , Sotiris S. Nikolaropoulos ¹ , Athanassios Giannis ² , Manolis A. Fousteris ¹ ¹ Laboratory of Medicinal Chemistry, Department of Pharmacy, University of Patras, Greece ² Institute of Organic Chemistry, Faculty of Chemistry and Mineralogy, University of Leipzig, Germany
10:35-10:50	Synthesis and pharmacological activity of structurally diverse chemical analoques of compound PQ-10 <u>Agnieszka Zagórska¹, Anna Partyka2, Adam Bucki1,</u> Grażyna Chłoń-Rzepa1, Magdalena Jastrzębska-Więsek2, Agata Siwek ³ , Monika Głuch-Lutwin4, Maciej Pawłowski1 Department of ¹ Medicinal Chemistry, ² Clinical Pharmacy, ³ Pharmacobiology, ⁴ Pharmacodynamic, Jagiellonian University Medical College, Kraków, Poland
10:50-11:05	NMR conformational dynamics of LAM, RRM1 and RRM2

11:05-11:30	domains of LA protein <u>Aikaterini Argyriou¹</u> , Maria Apostolidi, Christos T.Chasapis ¹ , Dionysios Vourtsis ¹ , Parthena Konstantinidou ² , Denis Drainas ² , Detlef Bentrop ³ , Constantinos Stathopoulos ² , <u>Georgios A. Spyroulias¹</u> ¹ Department of Pharmacy, University of Patras, Greece. ² Department of Biochemistry, School of Medicine, University of Patras, Greece. ³ Institute of Physiology II, University of Freiburg, Germany Coffee Break
Session Chairs: TBA	
11:30-11:50	An in silico multi-pharmacophore virtual screening methodology for the discovery of novel compounds against pharmacological targets <i>Minos Matsoukas, University of Patras, Greece</i>
11:50-12:05	Breakthrough in rational design of hMAO B inhibitors: SB and LB 3-D QSAR driven generation of novel anti- Parkinson's drug-like structures Milan Mladenovic ¹ , Alexandros Patsilinakos ^{2,3} , Adele Pirolli ^{2,4} , Manuela Sabatino ^{2,3} , Rino Ragno ^{2,3} ¹ Kragujevac Center for Computational Biochemistry, University of Kragujevac, Serbia ² Faculty of Pharmacy and Medicine, Rome Sapienza University, Italy ³ Alchemical Dynamics srl, Rome, Italy ⁴ Department of Information Technology, IRBM Science Park, Rome, Italy
12:05-12:20	In Silico tool for probing the multiple antibacterial profiles of nanoparticles by a QSAR perturbation model <u>M. Natália D.S. Cordeiro</u> , A. Speck-Planche LAQV@REQUIMTE, Faculty of Sciences, University of Porto, Portugal
12:20:12:35	Computer – Aided drug design for binding pose and affinity predictions in the D3R Grand Challenge 2 <u>Christina Athanasiou</u> ¹ , Sofia Vasilakaki ¹ , Dimitris Dellis ² , Woody Sherman, Zoe Cournia ¹ ¹ Biomedical Research Foundation Academy of Athens, Greece ² Greek Research and Technology Network, Athens, Greece ³ Silicon Therapeutics, Boston, United States
12:35-12:50	Consensus docking: development, evaluation and experimental application in hit identification Poli Giulio ¹ , Tuccinardi Tiziano ² ¹ Department of Biotechnology, Chemistry and Pharmacy, University of Siena, Italy. ² Department of Pharmacy, University of Pisa, Italy
12:50-13:30 13:30-13:45	The First Molecule Interacting with a Host Protein for the Inhibition of Multiple Viruses Maurizio Botta, Università degli Studi di Siena, Italy
13.30-13.45	Closing of the Symposium