













## 10<sup>TH</sup> INTERNATIONAL PEPTIDE CONFERENCE OF THE BULGARIAN PEPTIDE SOCIETY

## **Scientific Programme**

Friday, September 1 <sup>st</sup> 2023			
14:00	Registration of participants	Faculty of Pharmacy, MU Varna, Auditorium	
18:00	<b>Opening Ceremony</b>	Faculty of Pharmacy, MU Varna, Banquet hall 9 <sup>th</sup> floor	
19:30	Welcome Cocktail	Faculty of Pharmacy, MU Varna, Banquet hall 9 <sup>th</sup> floor	

Saturday	y, September 2 <sup>nd</sup> 2023	
	Session 1 Session Chair: Prof. Reni KALFIN Institute of Neurobiology, BAS, Bulgaria	
9:00	PL01 From peptide-based drug and diagnostics to cosmetics to inspire next generation EU researchers to transfer academic results into the market Prof. Anna Maria PAPINI University of Florence, Italy	
9:35	PL02 How peptides help to understand transient heme binding to proteins Prof. Diana IMHOF University of Bonn, Germany	
10:10	IL01 Fe(III) heme-peptide complexes with peroxidase-like activity as heterogeneous biocatalysts  Dr. Toni KÜHL University of Bonn, Germany	
10.40	COFFEE BREAK	
	Session 2 Session Chair: Assoc. Prof. Tamara PAJPANOVA IMB, BAS, Bulgaria	
11:00	PL03 Peptides and sex regulation: NAP (DAVUNETIDE) as a case study Prof. Illana GOZES Tel Aviv University, Israel	
11:35	PL04 Neurotensin-based GPCR ligands Prof. Peter GMEINER Friedrich-Alexander University Erlangen-Nürnberg, Germany	
12:10	IL02 Targeting the tumor microenvironment in gliomas Prof. Andreas TZAKOS University of Ioannina, Greece	
12:40	LUNCH, NETWORKING & EXHIBITION	
	Session 3 Session Chair: Dr. Toni KÜHL University of Bonn, Germany	
13:40	IL03 "Green" navigation in trillions of on-demand compounds  Dr. Marcus GASTREICH BioSolveIT, St. Augustin, Germany	
14:10	IL04 The international natural product sciences taskforce (INPST), an open innovation platform to invigorate the research field of natural compounds and peptides in the era of digital communication  Prof. Atanas ATANASOV Medical University of Vienna, Austria	
14:40	L01 Design, synthesis, and biological evaluation of neurotensin(8-13) analogs as dual NTS1 and NTS2 receptor ligands Assoc. Prof. Nikolay TZVETKOV Institute of Molecular Biology, BAS, Bulgaria	

















15:10	COFFEE BREAK	
15:30	WORKSHOP by BioSolvelT Dr. Marcus GASTREICH BioSolvelT, St. Augustin, Germany	
17:30	End of the day	
20.00	Invited Speakers Dinner	
Sunday,	September 3 <sup>rd</sup> 2023 Session 4	
	Session 4 Session Chair: Assoc. Prof. Nikolay TZVETKOV Institute of Molecular Biology, BAS, Bulgaria	
9:00	IL05 G protein peptidomimetics to stabilize active GPCR conformations  Prof. Steven BALLET Vrije Universiteit Brussels, Belgium	
9:30	L02 Effect of peptidades on the action of enkephalin analogues Assoc. Prof. Tatyana DZIMBOVA South-West University "Neofit Rilski", Blagoevgrad, Bulgaria	
10:00	L03 Synthesis, biological study and mathematical calculations on anticancer peptides Prof. Dancho DANALEV University of Chemical Technology and Metallurgy Sofia, Bulgaria	
10:30	COFFEE BREAK	
	Session 5 Session Chair: Prof. Dancho DANALEV University of Chemical Technology and Metallurgy Sofia, Bulgaria	
11:00	L04 Ameliorating action of standardized extract from <i>Helix aspersa</i> in Parkinson's disease model  Prof. Reni KALFIN Institute of Neurobiology, BAS, Bulgaria	
11:30	L05 Metabolite profiling and structure of peptides in <i>Helix aspersa</i> mucus, <i>Helix lucorum</i> hemolymph, and <i>Rapana venosa</i> hemolymph using <sup>1</sup> H NMR and mass spectrometry <b>Prof. Nikolay VASSILEV</b> <i>Institute of Organic Chemistry with Centre of Phytochemistry, BAS, Bulgaria</i>	
12:00	L06 Biological effects of standardized <i>Helix aspersa</i> extract in Alzheimer's type dementia  Prof. Lyubka TANCHEVA Institute of Neurobiology, BAS, Bulgaria	
12:30	LUNCH	
	Session 6 Session Chair: Prof. Nikolay VASSILEV Institute of Organic Chemistry with Centre of Phytochemistry, BAS, Bulgaria	
14:00	L07 Glutathione peroxidase-4 modulation in gentamicin-induced kidney disease model in mice Assoc. Prof. Tsvetelin GEORGIEV Trakia University, Stara Zagora, Bulgaria	
14:30	L08 Impact of arginine mimetics in the discovery and development of biologically active peptides Assoc. Prof. Tamara PAJPANOVA Institute of Molecular Biology, BAS, Bulgaria	

















15:00	COFFEE BREAK
15:30	Poster session, Networking & Exhibition
17:00	End of the day
20:00	Gala Dinner

Monday	, September 4 <sup>th</sup> 2023	
	Session 7: YOUNG SCIENTISTS LECTURES Session Chair: Assoc. Prof. Tamara PAJPANOVA IMB, BAS, Bulgaria	
9:30	YL01 Synthesis and characterization of new analogues of (KLAKLAK) <sub>2</sub> with unnatural analogues of Lys  Dr Sirine JABER University of Chemical Technology and Metallurgy Sofia, Bulgaria	
9:50	YL02 Synthesis and biological studies of new peptides and bioconjugates with analgesic and anti-inflammatory activity  Boryana BORISOVA University of Chemical Technology and Metallurgy Sofia, Bulgaria	
10:10	YL03 Advanced study of antibacterial and antitumor effects of structurally different small molecules as potential cytotoxic agents against <i>Paenibacillus larvae</i> Martina PEEVA Institute of Molecular Biology, BAS, Bulgaria	
10:30	YL04 Novel milk-derived peptides as potential natural ACE inhibitors  Dr Boryana YAKIMOVA Institute of Organic Chemistry with Centre of Phytochemistry, BAS, Bulgaria	
10:50	COFFEE BREAK	
	Session 8: YOUNG SCIENTISTS AWARDS Session Chair: Organizing Committee Bulgarian Peptide Society	
11:30	Round table scientific discussion: Scientific committee	
12:00	Awards Ceremony	
12:30	CLOSING REMARKS	
13:00	The End of Conference	

