Preliminary scientific program BIOMATH 2015

Monday 15 June 2015		
		Chairperson
10:00 – 10:20	*Opening (Welcome addresses)*	Roumen Anguelov
10:20 – 11:10	**R. Tsanev plenary lecture:** Leandar Litov	Ivan Mirchev
11:10 – 11:40	*Tea/coffee 30'*	
11:40 – 12:20	**Keynote lecture 1:** Vlastimil Krivan	Peter Milanov
12:20 – 14:00	*Lunch*	
14:00 – 14:40	**Keynote lecture 2:** Ivan G. Ivanov	Venko Beschkov
14:40 – 15:00	Nevena Ilieva	Ivan Bazhlekov
15:00 – 15:20	Claudia Timofte	
15:20 – 15:40	Martin Castillo	
15:40 – 16:40	*Tea/coffee 60' + Poster session*	
16:40 – 17:00	Peter Mathye	Ivan G. Ivanov
17:00– 17:20	Ramzan Ali	
17:20 – 17:40	Hristo Kozhouharov	
17:40 – 18:00	Elena Lilkova	
18:00 – 20:00	*Poster session and cocktail*	*book exhibition*

Tuesday 16 June 2015		
		Chairperson
09:00 – 09:40	**Keynote Presentation 3:** Christina Kuttler	Jean Lubuma
09:40 – 10:00	Charlotte Sonck	Nevena Pencheva
10:00 – 10:20	Tomas A. Revilla	
10:20 – 10:40	Tihomir Ivanov	
10:40 – 11:00	*Tea/coffee 20'*	
11:00 – 11:20	Radouane Yafia	H. Kozhouharov
11:20 – 11:40	Amanda de Cassia da Cunha	
11:40 – 12:00	Caner Kazanci	
12:00 – 12:20	Evan Haskel	
12:20 – 12:40	Venko Beschkov	
12:40 – 14:00	*Lunch*	
14:00 – 14:40	**Keynote Presentation 4:** Ivan V. Ivanov	Vlastimil Krivan
14:40 – 15:00	Phumezile Kama	Evgenija Popova
15:00 – 15:20	Albert Guvenis / Erman Kibritoğlu	
15:20 – 15:40	Petr Vabishchevich	
15:40 – 16:00	Vitalii Akimenko	
16:00 – 16:40	*Tea/coffee 40' Poster session*	*(book exhibition)*
16:40 – 17:00	Rositsa Marinova	John Miller
17:00 – 17:20	Simeon Tsvetanov	
17:20 – 17:40	Nina Daskalova	
17:40 – 18:00	Ivanka Stankova	
18:00 – 18:20	Denitsa Grigorova	
18:20 – 19:00	*ISC Meeting (open)*	
19:00 – 20:00	*Performance*	
20:00 – 21:00	*Supper*	

Wednesday 17 June 2015			
			Chairperson
09:00 – 09:40	**Keynote Presentation 5:** Ekaterina Auer		Petr Vabishchevich
09:40 – 10:20	**Keynote Presentation 6:** Cyril Piou		Ivan V. Ivanov
10:20 – 10:40	John Miller		
10:40 – 11:00	*Tea/coffee*		
11:00 – 11:20	Ammar Jalalimanesh		Evan Haskel
11:20 – 11:40	Ana I. Staneva		
11:40 – 12:00	Nafiu Husaini		
12:00 – 12:20	Pavol Bokes		
12:20 – 12:40	Christopher Strickland		
12:40 – 14:00	*Lunch*		
14:00 – 15:00	**Hot Topics Workshop**	Ekaterina Auer, Ivan V. Ivanov,	
15:00 – 16:00	(School for Young Scientists)	Petr Vabishchevich, John Miller	
16:00 – 16:40	*Tea/coffee 40' (book exhibition)*		
16:40 – 18:00	**Hot Topics Workshop** (SYS)	C Kuttler, H. Kojouharov, V. Krivan	
18:00 – 18:40	*School for Young Scientists - jury awards meeting*		
19:00 – 22:30	*Official Dinner; SYS awards*		

Thursday 18 June 2015		
		Chairperson
09:00 – 09:20	Ivan V. Ivanov et al	Cyril Piou
09:20 – 09:40	Emilia Bazhlekova	
09:40 – 10:00	Nikolai Kutev	
10:00 – 10:20	Ivan Bazhlekov	
10:20 – 10:40	Milen Borisov,	
10:40 – 11:00	*Tea/coffee*	
11:00 – 11:20	Jordan Genoff	Vitalii Akimenko
11:20 – 11:40	Mahruy Saidalieva / Mohiniso B. Hidirova	
11:40 – 12:40	*Lunch (earlier than usual)*	
12:40 – 19:30	*Excursion to Melnik (or old town)*	
19:30 – 20:30	*Supper*	

Friday 19 June 2015		
		Chairperson
09:00 – 09:20	Roumen Anguelov	
09:20 – 09:40	Evgenija Popova	
09:40 – 10:00	Svetoslav Markov	
10:20 – 10:40	Mustafa Sefidgar / Stanko Dimitrov	
10:40 – 11:20	*Visit to University Center for Advanced Bioinformatics Research, SWU "Neofit Rilski", Blagoevgrad*	
10:40 – 11:20	*Optionally: mountain hiking*	
11:20 – 12:20	*Lunch*	
12:20 – 17:40	*Excursion to Rila Monastry or old town*	
18:00 –	*Optionally – bus to Sofia ETA 20:30*	

Scientific Program BIOMATH 2015: Posters

Poster sessions: Monday, 15 June, 15:40 – 16:40
Monday, 15 June, 18:00 – 19:00
Tuesday, 16 June, 16:00 – 16:40

<u>Posters:</u>

Gergana Koroleova, Iliya Kanelov, Nevena Pencheva
Modelling of Torque-angle Relationships with Polynomials and Cubic Splines in Elbow Joint

Kiril Kirilov
Global Genomic Studies of Influenza A Viruses: Identification of Conservative Sequences for Development of Wide Spectrum Vaccines and Gene Therapy Drugs

Krasimira Kostadinova
Bivariate Polya-Aeppli Risk Model

Meglena Lazarova
Polya-Aeppli-Lindley Distribution

Galina Lyutskanova
On the Mathematical Modelling of Linear Metabolic Networks

Metodi Traykov, Radoslav Mavrevski, Anton Stoilov
3D Visualization of the Biological Structures

Elisaveta Miladinova
Homology Modeling of the Oxytocin G-Protein Coupling Receptor

Elena Nikolova
Mathematical Model of the Deformation and Dynamical Stability of the Abdominal Aortic Aneurysm Wall under Intravascular Pressure

Gergana Nikolova
Mass-inertial Parameters of the Human Thigh Based on Data for Bulgarian Males: Three-dimensional Mathematical Model Study

Fatima Sapundzhi, Nevena Pencheva
Modeling the Relationship between Biological Activity of Delta-selective Enkephalin Analogues and Docking Results by Polynomials

Ivan Todorin, Anton Stoilov, Ivan Trenchev
A Model for HP Folding Prediction Using Increasing Constrain for Spreading in the Process of Making Conformations

Gergana Velikova
On a Singular Bio-economic Model with Stage Structure

Registration at conference desk in University Center "Bachinovo" (conference site) is open as follows: June 14, 2014, Sunday 16:00 – 19:00; Monday 8:00 – 10:00 & 11:00 – 12:00

Transportation by buses will be provided by the organizers as follows:
Before the conference there will be two options for transportation from Sofia to the University Center "Bachinovo" (conference site):
a) on June 14th, Sunday, 14:00, a bus from Sofia airport (Terminal 2) passing via the Hotel of the Academy (approx at 14:30) to University Center (UC) "Bachinovo"; estimated time of arrival (ETA): 16:30 h ;
b) on June 15th, Monday, there will be a bus from the Hotel of the Academy <u>"Dom na Uchenia"</u> at 7:15 to UC "Bachinovo"; ETA: 9:45 h.

After the conference there will be two options for transportation from the University Center "Bachinovo" to Sofia Airport (passing via the Hotel of the Academy):
c) on June 19th (Friday) at 18:00; a bus from University Center "Bachinovo" to Sofia airport (Terminal 2); ETA: 20:30 h, and
d) on June 20th (Saturday) at 7:30; a bus from University Center "Bachinovo" to Sofia airport (Terminal 2); ETA: 10:00 h.