



European Federation of
Immunological Societies

European Journal of
Immunology



2nd Black Sea International Immunology School



Organizing Committee:
Prof. Maria Nikolova
Prof. Elissaveta Naumova
Ass. Prof. Andrey Tchorbanov

Dear friends and colleagues,

It is with great pleasure that we invite you to the 2nd Black Sea International Immunology School (BSIIS).

This educational initiative of BuSI, and the Bulgarian Association of Clinical Immunology was given a successful start in 2014, and will be continued thanks to the financial support of EFIS-EEJI.

The 2nd Black Sea International Immunology School will be an advanced course entitled "**Last generation tools for immunology research**", and limited to 20 participants with a minimum past experience and/or participating in on-going research in the covered areas. The selection will be based on applications including a CV and a 200-words abstract on the applicant's current project.

Although we preferred to keep the name, **BSIIS 2015**, will take place in **Sofia, from 15 to 17 October 2015**. The program will include a theoretical (lectures) and practical (seminars/demonstrations) modules tackling immunology - specific methodological approaches in the popular areas of flow cytometry, proteomics and bioinformatics. All participation fees as well as the accommodation of participants not living in Sofia will be covered by the organizers.

Do apply for the course! We look forward to meeting you in Sofia

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On behalf of the organizing committee

2nd Black Sea International Immunology School Preliminary program and Speakers

The following speakers (in alphabetical order) have accepted to animate BSIS 2015

1. **Dr. Alba Grifoni, PhD**, Department of Biomedicine and Prevention, University Tor Vergata, Rome, Italy
2. **Assoc. Prof. Anastas Pashov, MD, PhD**, Institute of Microbiology, Bulgarian Academy of Sciences, Sofia, Bulgaria
3. **Assoc. Prof. Andrey Tchorbanov, PhD**, Institute of Microbiology, Bulgarian Academy of Sciences, Sofia, Bulgaria
4. **Dr. Jochen Barths, PhD** Laboratory of Excellence HepSys, Institute of Viral and Hepatic Diseases, Inserm UMR 1110 - University of Strasbourg, France
5. **Dr. Jordan Dimitrov, PhD** Centre de Recherche des Cordeliers, Université Pierre et Marie Curie – Paris 6, UMRS 872, and INSERM, U872, Paris, France;
6. **Assoc. Prof. Joseph Prechl, PhD**, Dept. Immunology, University L. Eotvos, Budapest, Hungary
7. **Prof. Maria Nikolova, MD, DSc**, National Center of Infectious and Parasitic Diseases, Sofia, Bulgaria
8. **Assoc. Prof. Massimo Amicosante, PhD**, Department of Biomedicine and Prevention, University Tor Vergata, Rome, Italy
9. **Assoc. Prof. Milena Ivanova, MD, PhD**, Medical University of Sofia, Bulgaria

10. **Dr. Tsvetelin Lukanov, MD, PhD**, Medical University of Sofia, Bulgaria

15 October		
11 – 14	Registration; Opening	
From Genotyping to Phenotyping: lectures		
14 – 14.45	M. Ivanova	Application of NGS technology in immunogenetics
15.00 - 15.45	J. Barths	Flow Cytometry Cell Sorting – A Valuable Tool for Single Cell Analysis
16.00 – 16.30	Coffee break	
From Genotyping to Phenotyping: seminars & demonstrations		
16.30 – 17.00	Ts. Lukanov	Technical aspects of chimerism analysis with PCR-STR method
17.15 – 18.30	M. Nikolova	'Functional' flow cytometry
18.30 – 19.00	demonstration	The BD Accuri C6 Flow Cytometry System
16 October		
Predicting and Modifying Immune Cell interactions: lectures		
9.00 – 9.45	M.Amicosante	B- and T-cell epitopes analysis and prediction systems, applied to rational diagnostic and vaccine development.
9.45 – 10.30	J. Prechl	Immunological uses of protein microarrays
10.30 – 11.00	Coffee break	
11 – 11.45	J. Dimitrov	Surface plasmon resonance for real-time Ag - Ab interactions
11.45 – 12.30	A. Pashov	Bioinformatic Strategies for Prediction and Prevention of Inhibitory Antibodies to Biological Drugs
12.30 – 14.00	Lunch	
Predicting and Modifying Immune Cell interactions: seminars& demonstrations		
14.00 – 15.00	A. Grifoni	Structural analysis of innate and adaptive immunity receptors and their reciprocal interaction. Understanding the basis of the receptor cross-talk toward the modulation of immune response.
15 .00 – 16. 00	A.Tchorbanov	New generations of animal models in immunology
16 – 16.30	Discussion & closure	