



TAIEX

TAIEX Regional Workshop on Biomedical Engineering - Genetics

organised in co-operation with
Ministry of Civil Affairs of Bosnia and Herzegovina

22 - 23 October 2018

Venue:

Grand Hotel Bristol Sarajevo****
Fra Filipa Lastrića 2
Sarajevo

Beneficiaries:

Albania, Bosnia and Herzegovina, Kosovo*, Serbia

*This designation is without prejudice to positions on status, and is in line with UNSCR 1244/1999 and the ICJ Opinion on the Kosovo declaration of independence.

ETT 65373

Organised and funded by the
Technical Assistance and Information Exchange Instrument
of the European Commission



Aim of the Workshop:

The aim of the workshop is to enhance local capacity for education, research and innovation in the field of genetics. The EU experts will present the current state-of-the-art technical expertise to participants from relevant regional public institutions, university departments and to representatives of professional associations in the field of genetics. New technologies and techniques in gene therapy, cancer research, pharmacogenomics and personalised therapy, pharmaceutical biotechnology and biopharmaceuticals, Genetically Modified Organisms (GMO), and new perspectives in population and forensic genetics will be presented. The workshop will also provide the participants from all the Western Balkans with an opportunity to strengthen the inter-relationships between regional institutions and enable future co-operation.

- **Dr Wendy Craig**
Group Leader - Biosafety
International Centre for Genetic Engineering and Biotechnology (ICGEB), Italy
- **Prof. Jerka Dumić**
Full Professor
University of Zagreb Faculty of Pharmacy and Biochemistry, Croatia
- **Prof. Damir Marianović**
Scientific researcher
Institute for the Anthropological Researches, Zagreb, Croatia
International Burch University, Sarajevo, Bosnia and Herzegovina
- **Dr Filipe Pereira**
Assistant Professor
Lund University, Department of Molecular Medicine and Gene Therapy, Sweden
- **Prof. Dragan Primorac**
Professor
St. Catherine Hospital, Croatia; Universities of Split, Osijek and Rijeka, Croatia
- **Dr Nataša Skoko**
Head of Biotechnology Development Unit
International Centre for Genetic Engineering and Biotechnology (ICGEB), Italy

- **Dr Domenica Taruscio**
Director of Research and Director of the National Centre for Rare Diseases
Istituto Superiore di Sanità, Rome, Italy
- **Prof. Tomasz Jan Twardowski**
Professor, Head of Department of Protein Biosynthesis
Poznan Institute of Bioorganic Chemistry, Polish Academy of Sciences, Poland
- **Prof. Borut Štrukelj**
Head of Group for Pharmaceutical Biotechnology
University of Ljubljana, Faculty of Pharmacy, Slovenia

Day 1: Monday 22 October 2018

**Chair: Assistant professor Tamer Bego, PhD, Faculty of Pharmacy,
University of Sarajevo**

08:30	<i>Registration of participants</i>
09:00	Welcome address Representative of Delegation of the European Union Ms Biljana Camur Veselinovic Ministry of Civil Affairs of Bosnia and Herzegovina Prof. Almir Badnjević President of Bosnia and Herzegovina Medical and Biological Engineering Society
09:30	Introduction of genetics and genetic engineering Prof. Tomasz Twardowski
10:30	<i>Coffee break</i>
11:00	New challenges of genetics in medicine - Recent trends in cartilage regenerative medicine Prof. Dragan Primorac
12:00	Quality assurance systems for genetic testing: the Italian and EU experiences: Dr Domenica Taruscio
13:00	Lunch
	Please be reminded to sign the attendance list
14:00	Genetically Modified Organisms - GMO Prof. Tomasz Twardowski
14:45	GMOs and biosafety Dr Wendy Craig
15:30	<i>Coffee break</i>
16:00	Forensic genetics – introduction and new perspectives Prof. Damir Marjanovic
16:45	Introduction of population genetics Prof. Damir Marjanovic
17:30	End of day 1

Day 2: Tuesday 23 October 2018

**Chair: Assistant professor Tamer Bego, PhD, Faculty of Pharmacy,
University of Sarajevo**

	<i>Please be reminded to sign the attendance list</i>
09:00	New technics in molecular diagnostics and practical implementations <ul style="list-style-type: none">• Genome editing with Crisper Cas Technology• Microarray analysis techniques• An Introduction to Next-Generation Sequencing Technology Dr Filipe Pereira
10:00	Gene therapy – how does it works? Prof. Borut Strukelj, PhD
10:45	<i>Coffee break</i>
11:15	Implications for Cancer and Other Common Disease Research Prof. Borut Strukelj, PhD
12:30	Genetic tests in prenatal screening Dr Domenica Taruscio
13:00	<i>Lunch</i>
	<i>Please be reminded to sign the attendance list</i>
14:00	<i>New challenges of genetics in pharmacy - Cellular Reprogramming Technologies</i> Dr Filipe Pereira
15:00	Biopharmaceuticals and Biosimilars Dr Natasa Skoko, PhD
15:45	<i>Coffee break</i>
16:15	Pharmacogenomics and personalised therapy Prof. Jerka Dumic
17:00	Summary of the workshop - Conclusions and Next Steps Assistant Professor Tamer Bego, PhD
17:30	End of the Workshop

More information on TAIEX:

near-taix@ec.europa.eu

<http://ec.europa.eu/taix>

<http://ec.europa.eu/taix/experts>



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