

*Genetic Association in B&H invites you to save the date and join us in Sarajevo, Bosnia and Herzegovina, in October 2019.*



## Comet Workshop -Basic comet assay techniques-

coorganized with CA15132 hCOMET Cost Action and  
University of Sarajevo - Institute for Genetic Engineering  
and Biotechnology (INGEB)

05.-06.10.2019.

University Campus - INGEB

## Announcement

### „COMET workshop – Basic comet assay techniques“

Assessment of DNA damage by comet assay has been recognized as a reliable approach in human biomonitoring, ecotoxicology and in *in vitro* studies. It is applicable to wide range of cell types and tissues.

The workshop programme will focus on the standardized protocols for comet assay on human blood and plant cells as well as modifications of the assay to test oxidative stress with the aim that both young and experienced scientists rely on them in their future research.

Highly experienced and esteemed speakers and trainers will present basic techniques applied to the variety of cell sources.

**Date:** the 5<sup>th</sup> and 6<sup>th</sup> of October 2019.

**Venue:** University of Sarajevo – Institute for Genetic Engineering and Biotechnology, Zmaja od Bosne 8 – Kampus, Sarajevo, Bosnia and Herzegovina.

**Participants: 15 applicants** will be selected based on the motivation and fair cross-regional distribution. The workshop is primarily intended for younger researchers, but senior researchers, with little or no expertise in the field, will also be considered.

**The deadline for applications is 1<sup>th</sup> of August 2019.** After the completion of selection procedure the successful applicants will be informed by email by the end of August 2019.

**Travel Grant:** Up to **9 international trainees** will be reimbursed with **500 €** after the attendance of the workshop (no receipts needed).

#### **Each application should contain:**

- The completed Application form (available on e-mail request at [anja.haveric@gmail.com](mailto:anja.haveric@gmail.com)),
- Recommendation by the Head of the candidate's research group.

Total length of the application should not exceed 3 pg (excluding recommendation letter).

The workshop is organized and will be hosted by:

***Genetic Association in Bosnia and Herzegovina***

[www.genubih.ba](http://www.genubih.ba)

***CA15132 hCOMET Cost Action***

[www.hcomet.eu](http://www.hcomet.eu)

***University of Sarajevo – Institute for Genetic Engineering and Biotechnology***

[www.ingeb.unsa.ba](http://www.ingeb.unsa.ba)

**Provisional program of the workshop**

Time/Date	4/Oct/2019	5/Oct/2019		6/Oct/2019	
9:00		Registration of participants		Teoretical aspects of electrophoresis in comet assay	
9:30		Short introduction about hCOMET and the workshop			
10:30		Coffee break		Coffee break	
11:00		<b>General introduction:</b> The basics of the comet assay; Detection of oxidative stress using Fpg enzyme		Demonstration of comet assay on plant cells (group 1)	Staining and slides analysis (group 2)
11:15					
11:30		Lunch		Lunch	
12:30		Lunch		Lunch	
13:00		Slide coating		Staining and slides analysis (group 1)      Demonstration of comet assay on plant cells (group 1)	
14:00		Preparation of frozen blood/PBMNs for comet assay (group 1)	Fpg treatment (group 2)		
14:15		Coffee break		Coffee break	
14:45		Preparation of frozen blood/PBMNs for comet assay (group 1)		Data interpretation, closing discussion and remarks	
15:00	Pre-treatment of cell for Fpg	Fpg treatment (group 1)	Preparation of frozen blood/PBMNs for comet assay (group 1)		
15:45		Cell lysis over night			
16:00		WORKSHOP		Optional joint social event (dinner, pub ...)	
16:30		DINNER			
16:45					
17:00					
17:30					
18:15					
18:30					
19:00					
19:30					
21:00					