



# **ESHG Course Translational Epigenetics in Precision Medicine**

**18-21 October  
2025**

**Holiday Inn  
Telavi, Georgia**



Tbilisi State  
Medical University



Georgian Society of Medical  
Genetics and Epigenetics

**ESHG**

EUROPEAN SOCIETY OF HUMAN GENETICS  
Supported by the  
European Society of  
Human Genetics (ESHG)



<http://geneticsgeorgia.org>  
<http://tsmu.edu>



The aim of the course is:  
to train participants in the fundamental aspects of epigenetic mechanisms and their dysregulation in human diseases, with a focus on recent genome-wide technological advances and clinical applications in diagnostics and epigenome therapeutics.



Eka Kvaratskhelia  
TSMU, Tbilisi, Georgia



Tinatin Tkemaladze  
TSMU, Tbilisi, Georgia



Sofia Douzgou Houge  
Haukeland University Hospital  
Bergen, Norway

#### Course Directors:

Eka Kvaratskhelia, TSMU, Tbilisi, Georgia

Tinatin Tkemaladze, TSMU, Tbilisi, Georgia

Sofia Douzgou Houge, Haukeland University Hospital, Bergen, Norway

Honorary Chair: Elene Abzianidze

Local Organizing committee:

Nino Pirtskhelani, Ketevan Kankava

Course Organizers: Tbilisi State Medical University (TSMU)

Georgian Society of Medical Genetics and Epigenetics (GSMGE)

Venue: Holiday Inn; 2 Rustaveli Avenue, 2200 Telavi, Georgia

Course website: <http://geneticsgeorgia.org/en/epigenetics-course/>

Email: [epicourse@tsmu.edu](mailto:epicourse@tsmu.edu)

## Faculty:

**Alvarado Sebastian**, Queens College, City University of New York (CUNY), New York City, U.S.

**Banka Siddharth**, Manchester University NHS, Manchester, UK

**Douzos Houg Gunnar**, University of Bergen, Bergen, Norway

**Douzgou Houg Sofia**, Haukeland University Hospital, Bergen, Norway

**Gilissen Christian**, The Radboud University Medical Center, Nijmegen, the Netherlands.

**Kankava Ketevan**, Tbilisi State Medical University, Tbilisi, Georgia

**Kvaratskhelia Eka**, Tbilisi State Medical University, Tbilisi, Georgia

**Michels Karin B.**, UCLA Fielding School of Public Health, Los Angeles, California, U.S.

**Pirtskhelani Nino**, Tbilisi State Medical University, Tbilisi, Georgia

**Prokopenko Inga**, School of Biosciences, University of Surrey, Guildford, Surrey, UK

**Sadikovic Bekim**, London Health Sciences Centre, London, ON, Canada

**Tajerian Maral**, Queens College, City University of New York (CUNY), New York City, U.S.

**Tkemaladze Tinatin**, Tbilisi State Medical University, Tbilisi, Georgia

## Registration fee:

EUR 500 (including tuition, course materials, transportation from the Tbilisi International Airport to Telavi, coffee breaks, lunches, welcome dinner, gala dinner, wine tour )

**ESHG fellowships are available to cover registration (EUR 500)**

## Clinical case abstract submission:

Participants will be encouraged to submit clinical cases. A limited number of cases will be selected by the program committee for presentation and discussion during the course.

## TOPICS

### DAY 1

Basic Concepts of Epigenetics

### DAY 2

Cancer Epigenetics

### DAY 3

Epigenetics in rare Diseases

### DAY 4

Environmental Epigenetics  
and its Implication on  
Common Diseases



### Wine tour in Tsinandali Estate

Tsinandali Winery is located in the winegrowing region of Kakheti in Georgia, surrounded by panoramic settings and charming vineyards. Apart from making exceptional wines, the winery holds an in-house museum and an 18-hectare park. Guests can enjoy premium wine tasting in a beautiful setting. The estate also hosts exhibitions, music festivals, and scientific conferences. Explore the Tsinandali estate and its winery, picturesque gardens, wine cellars, hotel, and café. Some of the oldest vintages are stored in Princely Oenothèque historical for visitors to discover.



### ACCOMMODATION:

Rooms and rates in Holiday Inn Telavi:

The room rate is €75.00 for a single guest and €90.00 for two guests.

Rates include breakfast and VAT.

