# **International Workshop on Stereology**



8-10 May 2018- Tehran





tereology provides biomedical researchers with efficient and unbiased tools to obtain real 3D data like volume, surface, length, and number of organs, tissues, cells, and organelles from measurements done on microscopic sections.

# www.vetanat.ir

TEACHING STAFF

AIMAED AUDIENCE ATTENDING

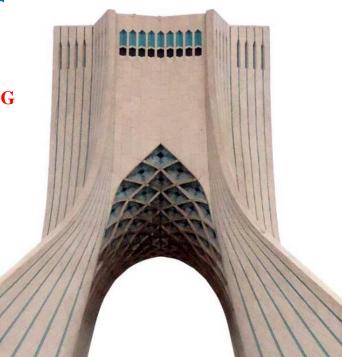
PROGRAM OVERVIEW

**VENUE** 

**REGISTRATION FEES** 

**CONTACT PERSON** 

REGISTRATION



### **TEACHING STAFF**



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# AIMAED AUDIENCE ATTENDING

The stereology workshop offers a comprehensive educational and research experience for national and international students and scientists to enhance their skills in the area of anatomy, histology, pathology, neurology, microscopy, imaging, stochastic geometry etc.

## **PROGRAM OVERVIEW:**

Tuesday 8			
09:00 - 09:10	Welcome by Prof. Vojgani (Dean of the faculty)		
09:10 - 09:50	Participant presentations		
09.50 - 10.35	Lecture: Definition of probes, sampling and basic statistics		
10.35 - 10.50	Coffee		
10.50 - 11.30	Lecture: Volume estimation, Cavalieri estimator		
11.30 - 12.30	Exercise: Volume estimation		
12.30 - 14.00	Lunch		
14.00 - 14.45	Lecture: The Fractionator principle (systematic sampling)		
14.00 - 14.43	Lecture. The Practionator principle (systematic sampling)		
14.45 - 15.45	Exercise: The Fractionator		
15.45 - 16.15	Coffee		
16.15 - 17.00	Lecture: The Disector, counting and sampling in 3D		
10.13 17.00	Lecture. The Disector, counting and sampling in 3D		
17.00 - 18.00	Exercise: Number estimation		
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Wednesday 9	T I I C TID		
09.00 - 09.45	Lecture: Length and surface, IUR		
09.45 - 10.45	Exercise: Length estimation		
10.45 - 11.15	Coffee		
11.15 - 12.00	Lecture: Estimation via ratios, multilevel sampling design		
12.00 - 13.00	Lunch		
13.00 - 14.00	Exercise: CE, with a discussion of how many animals,		
blocks, sections?	Zivivis. CZ, with a discussion of now many annual,		
14.30 - 15.00	Lecture: Slicing, sectioning, tools and gadgets		
15.00 - 15.15	Coffee		
15.15 - 16.00	Lecture: More disector sampling, including connectivity		

**Exercise: Connectivity** 16.00 - 17.00 Thursday 10 09.00 - 09.30 Lecture: Vertical sections Exercise: Surface from vertical sections – Bananametry 09.30 - 11.00 11.00 - 11.15 Coffee Demonstration: Computer assisted stereology 11.15 - 12.00 Lecture: Tissue deformation 12.00 - 12.30 12.30 - 13.30 Lunch Lecture: Sampling and sizing of particles 13.30 - 14.15 14.15 - 15.15 Exercise: The Nucleator 15.15 - 15.30 Coffee and evaluation **Exercise: Point Sampled Intercepts** 15.30 - 16.15

#### **VENUE**

Faculty of veterinary medicine, University of Tehran, Tehran, Iran

#### **REGISTRATION FEES**

Iranien participants		Non-Iranian participants	
Regular	3500000 IRR	Regular	250 USD
Student	2500000 IRR	Student	200 USD

#### **CONTACT PERSON**

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