



University of Tehran

International Workshop on Stereology

8-10 May 2018- Tehran



AARHUS UNIVERSITY



International Society for
Stereology & Image Analysis

Stereology 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)
14.45 - 15.45	Exercise: The Fractionator
15.45 - 16.15	Coffee
16.15 - 17.00	Lecture: The Disector, counting and sampling in 3D
17.00 - 18.00	Exercise: Number estimation

Wednesday 9

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?
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

16.00 - 17.00 Exercise: Connectivity

Thursday 10

09.00 - 09.30 Lecture: Vertical sections

09.30 - 11.00 Exercise: Surface from vertical sections – Bananametry

11.00 - 11.15 Coffee

11.15 - 12.00 Demonstration: Computer assisted stereology

12.00 - 12.30 Lecture: Tissue deformation

12.30 - 13.30 Lunch

13.30 - 14.15 Lecture: Sampling and sizing of particles

14.15 - 15.15 Exercise: The Nucleator

15.15 - 15.30 Coffee and evaluation

15.30 - 16.15 Exercise: Point Sampled Intercepts

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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