



The Macroscopic, Microscopic and Pathologic Anatomy of the House Mouse

March 29 - April 1

Goal:

Most biomedical PhD students perform animal experiments at some stage of their research career, but most students have never had practical instructions with respect to anatomy, histology and pathological anatomy of experimental animals.

For this reason, experimental animals are usually not subjected to a thorough and systematic inspection to assess whether, besides the local (expected) effects in the organ(s) under study, other organs are affected as well.

The present course aims to provide practical insight(s) in the anatomy and histology of the house mouse, presently the most frequently used experimental animal. In addition, the course focuses on recognition of pathological changes in the mouse.

Format:

This course is organized and coordinated by the Oncology Graduate School of Amsterdam (OOA, Onderzoekschool Oncologie Amsterdam). During the course each student will dissect a mouse to learn the topographic anatomy of this species. The microscopic part of the course focuses on the study and understanding of the architecture of normal and pathologically changed mouse tissues.

During the practical part, recognition of cell and tissue types, and changes in architecture of tissues as a result of pathological processes, are studied microscopically. In addition to standard staining techniques, functional staining techniques are demonstrated.

Content:

In the table you find an overview of the subjects:

1. *Anatomy of the adult male and female mouse*
2. *Microscopic and pathological anatomy of tissues and organs*
3. *Dealing with pathologically changed animals*
4. *Developmental and Neuro-anatomy*

Language:

The language of the course is English.

Certificate:

To obtain a certificate, course members must attend all lectures and workshops. Attendance will be registered.

Master students will have to do a written test in order to obtain a certificate.

Number of participants:

There is a maximum of 28 participants per course.

Costs:

No fee is required for AMC or AMC Medical Research B.V. employees and OOA-participants (Onderzoekschool Oncologie Amsterdam), who will also be privileged with enrollment. A fee of € 300 will be charged for others. Absence without notification in due time will be charged.

Course coordinators:

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Application:

by directly contacting the secretariat of the ALC

More information:

With the course coordinators