



Intensive Programme in Laboratory Animal Sciences -IP LAS -	
Learning objectives	The aim of this integrated theoretical and practical course is to teach students - within the frame of European legislation regarding Laboratory Animals - how to handle and use laboratory animals in biomedical research via addressing topics such as: legislation, ethics, basic biology including transgenesis and species-specific behavior, husbandry, hygiene, health management, anesthesia, analgesia, euthanasia, 3 R's. The necessary practical skills are trained and students are given an overview of current animal models, their use, their relevance and possible alternatives.
Public	Master and PhD students having at least validated 180 ECTS university diploma in one of the life sciences.
Prerequisites	Basic knowledge of the structure and function of a living vertebrate in terms of anatomy, histology and physiology.
Lectures content and practical work	<p>Lectures:</p> <p>A variety of didactical approaches such as lectures, video's, assignments and group presentations by the students is used to cover the course topics in theory (mentioned in the learning objectives).</p> <p>Hands on:</p> <p>Students will perform various behavioral tests using mice and rats. Students will train their surgical skills and experimental techniques such as blood sampling using dummy material and material sampled at autopsy.</p> <p>Visits:</p> <p>Students will visit a laboratory animal house in a pharmaceutical setting and housing of special laboratory animal species (zebrafish and amphibians).</p>
Training methods	35 % lectures, 20% seminars, 35 % hands on and visits, 10 % groups report
Coordination and scientific advisor	Prof. Chris Van Ginneken Phone : +32 3 265 24 35 - email : chris.vanginneken@ua.ac.be
Registration	Christel Wollens Phone : +32 3 265 24 34 - email : christel.wollens@ua.ac.be
Course language	English
Duration	25 working days
Course location	University of Antwerp, Antwerp, Belgium

Registration fees	All Master and PhD students from the partners, Paris CEA & University of South Paris (France), University of Turin & University of Oriental Piedmont (Italy), Panepistimio Kritis (Greece), Fachhochschule Kaiserlautern (Germany), University of Amsterdam (The Netherlands), Max Planck Institute (Germany), University of Leiden (The Netherlands) will receive a support of the European Commission to attend the course. Others, please send an inquiry to the coordinator: chris.vanginneken@ua.ac.be
Number of participants	25 participants maximum
Credits	12 ECTS

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