

## **Practical and seminar**

### **“Instruction in Laboratory Animal Science”**

This course is intended to impart basic knowledge of laboratory animal science with focus on laboratory rodents. It includes lectures on the following topics:

1. Introduction to Laboratory Animal Science and the 3R Principle
2. Legal Basis for Animal Experiments in Germany
3. Pain – Suffering – Harm in Experimental Animals
4. Analgesia, Anaesthesia, Euthanasia
5. Alternatives to Animal Testing
6. Conducting Animal Experiments
7. Biology of Laboratory Rodents
8. Application and Sample Techniques
9. Basic Surgical Techniques

In addition, the following practical training will be conducted

10. Mouse handling
11. Mouse Application Techniques, Blood Collection, and Dissection

The course is completed by a written exam.

For more information, please contact the Animal Welfare Officer of the Ruhr-Universität,  
Dr. Matthias Schmidt

MA 6/152

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