

Animal Welfare Course F: Amphibia

Training course for registered persons performing animal experiments and for study directors

Husbandry, Care and Maintenance, Testing of *Xenopus laevis*

Monday & Tuesday, October 21 & 22, 2024

Course Focus:

- Characteristics, Anatomy, Taxonomy, Habitat, Lifecycle
- Niewkoop & Faber Developmental Stages
- Amphibian Metamorphosis Assay AMA, OECD 231; What to pay attention to while testing!
- Larval Amphibian Growth & Development Assay LAGDA, OECD 241
- Husbandry, Care and Maintenance, Breeding
- Importance of Iodine, Hypothalamus-Pituitary-Thyroid Axis, Metamorphosis
- Comparative Toxicity Fish versus Frog
- Niewkoop & Faber Developmental Stages: TRY IT YOURSELF, QUIZ!
- Global Extinction & Decline

Duration, Purpose and Language of Course:

The course will take place as video-course on two mornings each from 0800 to 1200h using Zoom. It will be regarded as a one-day further education course by the Swiss authorities or as part of the education of persons responsible for directing animal experiments in the context of MODUL ECOTOX corresponding to FELASA-C (MODUL ECOTOX consists of a total of six courses A, B1, B2, B3, D2 and P: theoretical and practical education of at least 40 hours for persons responsible for directing animal experiments). The course is adapted to registered persons performing animal experiments as well as for study directors. The course language is English or German depending on the audience.

Organisational Information:

Lead & Instructor: Dr. Hans Rufli, **ecotoxsolutions**, Basel

Registration: rufli@ecotoxsolutions.com

Costs: Fr.700.- including pdf-files of the presentations sent prior to the course.

Your Video Equipment: "Zoom" should be installed on your Laptop/PC (<https://zoom.us/download> = English). Microphone and camera should be available as well. On the days of the course, an invitation link will be sent to your desired email-address previously announced to me before 0800h. By clicking this link, you will be in the meeting.

Certificate: A written certificate will be handed out. This certificate will have to be shown to the Swiss authorities on request.

Programme Animal Welfare Course F

Time	Topic
	<i>Day 1</i>
0800-0815	Welcome, Information about Course
0815-0930	Amphibia: Quiz Characteristics, Anatomy, Taxonomy Family Pipidae, Genus <i>Xenopus</i> , <i>Xenopus laevis</i> : Characteristics
0930-1200	Niewkoop & Faber Developmental Stages Importance of Iodine, Hypothalamus-Pituitary-Thyroid Axis, Metamorphosis Amphibian Metamorphosis Assay OECD 231: Overview To pay attention to while testing <i>Xenopus</i> !
	<i>Day 2</i>
0800-1000	Larval Amphibian Growth & Development Assay, OECD 241 <i>Xenopus laevis</i> : Husbandry, Care and Maintenance Sacrificing Tadpoles and Frogs Comparative Toxicity Fish versus Frog <i>Xenopus laevis</i> : Breeding
1000-1130	Niewkoop & Faber Developmental Stages: QUIZ! Global Extinction & Decline
1130-1200	Course Evaluation and Final Review