

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*

Thursday, November 7, 2019

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 from 0915 to 1800h. 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 & Instructors: Dr. Hans Rufli, **ecotoxsolutions**, Basel
Dr. Susanne Knörr, Heidelberg

Registration: rufli@ecotoxsolutions.com

Costs: Fr.700.- including pdf-files of the presentations sent prior to the course. Handouts in a file handed out at the start of the course can be organized on demand.
Fruits, croissants, sweets and mineral water will be offered during the course.

Location: **ecotoxsolutions**, meeting room R-1095.327
Entrance Rosental: Port 1047, Mattenstrasse 24a (Tram stop „Gewerbeschule“). I will wait at Port 1047 and guide the participants to the meeting room.

Access: By car: Exit motorway “Badischer Bahnhof”, parking place “Parkhaus Badischer Bahnhof”, Schwarzwaldallee 160 (ca. 300 m distance)
By train: Basel „Badischer Bahnhof“ (10 min walk to port 1047), or „Bahnhof SBB“ (tram 2, direction „Riehen“ until stop „Gewerbeschule“) (5 min walk to port 1047).

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

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Time	Topic	Speaker
0915-0930	Welcome, Information about Course	H. Rufli
0930-1030	Amphibia: Quiz Characteristics, Anatomy, Taxonomy Family Pipidae, Genus <i>Xenopus</i> , <i>Xenopus laevis</i> : Characteristics	H. Rufli
1030-1200	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> !	H. Rufli S. Knörr
1200-1300	<i>Lunch</i>	
1300-1600	Larval Amphibian Growth & Development Assay LAGDA, OECD 241 <i>Xenopus laevis</i> : Husbandry, Care and Maintenance Sacrificing Tadpoles and Frogs Comparative Toxicity Fish versus Frog <i>Xenopus laevis</i> : Breeding	S. Knörr H. Rufli
1600-1730	Niewkoop & Faber Developmental Stages: TRY IT YOURSELF, QUIZ! Global Extinction & Decline	S. Knörr H. Rufli
1730-1800	Course Evaluation and Final Review	H. Rufli