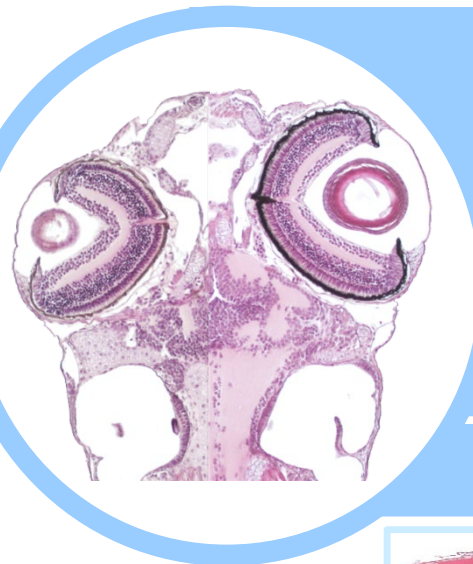
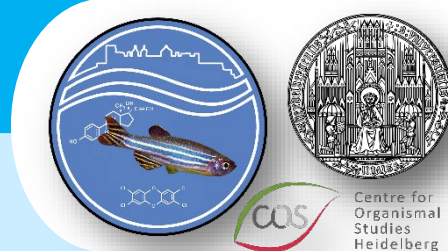


6th Short Course in Toxicologic Pathology in Fish

July 22 – 24, 2025

Lectures by Dr. Jeff Wolf (EPL, US), Prof. Heike Schmidt-Posthaus (Univ. Bern, CH), Prof. em. Helmut Segner (Univ. Bern, CH), Dr. Lisa Baumann (Vrije Universiteit Amsterdam, NL), Prof. Thomas Braunbeck (Univ. Heidelberg, D) and Dr. Dave Groman (Univ. Prince Edward Island, CA)

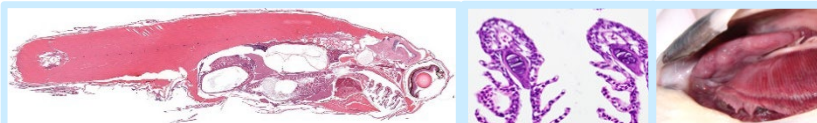


Training in Toxicopathological methods and in the Diagnosis of Toxicopathologic lesions in fish

Significant emphasis is on "hands-on" practical training and on the diagnosis of histopathological features in fish tissues

Designed for PhD students, researchers and technicians using histopathology in toxicological studies

Max. 20 on-site participants; hybrid format:
Lectures can also be followed online via Zoom



The course covers various uses and applications of histopathology in fish toxicological studies in the field and in the laboratory:

- methodological considerations,
- commonalities and differences between toxicopathic and infectious lesions,
- regulatory applications

Topics will be

- design and evaluation of histopathological studies,
- importance of quality control,
- (zebra)fish embryo histology,
- transgenic models,
- histopathology in bio-monitoring,
- histopathology in endocrine disruptor testing,
- stereology and AI-based methods in toxicopathology,
- neoplastic changes in marine and freshwater species,
- transgenerational studies,
- practical exercises (incl. case studies of participants)

Contact & Registration

Contact local organizer: Prof. Thomas Braunbeck, Centre for Organismal Studies, Im Neuenheimer Feld 504, D-69120 Heidelberg, Germany (braunbeck@uni-hd.de).

On-site participation (includes parts of meals):
regular € 350, students € 300

Virtual participation (excludes hands-on training):
regular € 250, students € 200