



Responsible Aquatic Animal Research: Critical, Challenging & Creative Thinking Course

The *Zebrafish Core Facility at Karolinska Institutet*, in collaboration with *Responsible Research*, invites you to the Responsible Aquatic Animal Research: Critical, Challenging & Creative Thinking Course 2026.

The course will be held on November 12–13 at Karolinska Institutet, Stockholm, Sweden.

Whether you have years of experience working with zebrafish or are at the start of your career, our Responsible Aquatic Animal Research course will exceed your expectations.

Join us to:

- Discover the evidence base underpinning our current knowledge of aquatic animal welfare and how you can apply this in your work.
- Identify what you know and what you don't know so that you can build upon your strengths and strive to overcome your weakness.
- Develop the confidence and competence to action global best practice standards when planning, designing, conducting, analyzing and communicating your work.
- Learn to critically review the evidence, challenge the status quo and think creatively to identify and overcome study flaws and limitations

The number of course participants is limited to 20. The course fee is 6000SEK excl. VAT and covers all materials, lunch and coffee breaks. 12 CPD points will be awarded for the course.

Course content includes:

- **Session 1** - When the use of aquatic animals in research started; why aquatic animal species are used; factors that influence people's moral values; the ethical theories underpinning societal viewpoints on animal research and aquatic animal sentience; the function of ethical review; plus an overview of the 3Rs.
- **Session 2** - How research integrity principles apply within the context of aquatic animal research; the 6 most common forms of research misconduct; examples of research integrity issues within the sector; understanding and identifying your research framework; case study examples of poor and malpractices; plus the value of critical thinking.
- **Session 3** - How to identify and avoid the most common pitfalls in experimental design plus; the 3V's; ways to improve the rigour and reproducibility of results and reporting practices; plus the value of systematic reviews and/or meta-analyses; how to correctly define the experimental unit and handle biological variation.
- **Session 4** - Different definitions of animal welfare and how it is evolving; what is known about aquatic animal welfare; understanding how aquatic species experience the world; factors to consider to can enhance an aquatic animal's lifetime experience; examples of refinement; plus an introduction to the refinement loop and marginal gains.

[Please register here.](#)

Please note that this year's *Advanced Zebrafish Husbandry course* is held directly prior to the *Responsible aquatic animal research course*. You can find more information [here](#).

If you have any questions, please do not hesitate to mail to

zebrafish-office@km.ki.se.