

PRELIMINARY PROGRAMME

3rd CABD Workshop: Applied Technologies for Aquatic Vertebrates

Time	Topic
DAY 1	Monday April 13, 2015
09:30-10:30	Talk: Teleosts as Genetic Models
10:30-11:00	Tutorial: Micro-injection in Zebrafish
11:00-13:00	Practical Session I and II
DAY 2	Tuesday April 14, 2015
09:30-13:00	Practical Session III: Micro-injections techniques in zebrafish
DAY 3	Wednesday April 15, 2015
09:30-12:00	Practical Session III: Micro-injections techniques in zebrafish
12:00-13:00	Practical Session IV
DAY 4	Thursday April 16, 2015
09:30-10:30	Practical Session IV
10:30-14:00	Practical Session V

Practical session I. Fish facilities and zebrafish husbandry.

- Husbandry
- Facilities

Practical session II. Auxiliary cultures.

- Artemia
- Rotifers

Practical session III. Micro-injection techniques in zebrafish.

- Set up zebrafish adults for crosses
- One-cell stage embryos collection
- Tol2-mediated transgenesis
- mRNA and Morpholino injections
- CRISPR/Cas9 injections

Practical session IV. Transgenic embryos visualization with fluorescence scopes.

- Evaluation of the injected embryos on practical session III.
- Image acquisition of transgenic zebrafish embryos.

Practical session V. Confocal time-lapse microscopy.

- Selection of transgenic embryos for microscopy
- Embryo mounting for confocal microscopy
- Time-lapse microscopy

If you have any queries, please do not hesitate to contact us.