COST Action FA1205: AQUAGAMETE - Assessing and improving the quality of aquatic animal gametes to enhance aquatic resources. The need to harmonize and standardize evolving methodologies, and improve transfer from academia to industry

6th AQUAGAMETE TRAINING SCHOOL

SECOND ANNOUNCEMENT

Molecular basis of fish gamete quality: genomic tools

Rennes (France) 6th-10th June, 2016

Rennes 26th April 2016

Dear Colleagues

The 6th AQUAGAMETE training school will be focused on the **Molecular Basis of gamete quality and reproduction**, with a strong orientation towards **GENOMIC TOOLS**. It will be held in Rennes, at the Fish Physiology and Genomics Department of INRA.

Deadline for application is **May 2nd 2016, do not miss it**.
Eligible candidates will be announced by May 6th.
They will be provided with a list of hotels nearby the lab, or in the city center. The course will take place at INRA on the Biology campus of BEAULIEU (Allée Henri Fabre), 15 min from the city center by bus (30 min by foot).

Because of a tight schedule during the course, **participants should plan to arrive on Sunday 5th, and to leave on Saturday 11th**.

The course will include conferences (2h each) on:

- Sperm genetic damage and repair in Fish (Paz Herraez, Spain)
- Overview of sequencing technologies and strategies available to analyze fish reproduction (Yann Guiguen, France)
- Epigenetics and inheritance (Francesc Piferrer, Spain)
- Transgenesis approaches in fish reproduction (Violette Thermes, France)
- CrispR/Cas9 technology for research on fish reproduction (Amaury Herpin, France)
- microRNA and female fecundity (Amine Bouchareb, France)

The practical sessions will be coordinated by the Fish Physiology and Genomics staff. It will consist in experiment on:

- RNA extraction and quality checking (3h30)
- Microarray analysis of fish samples in reproduction research (10h)
- Sequence searching including tools presentation, primer design, phylogeny/syntheny search (5 h)

Financial support from the AQUAGAMETE COST action for travelling, accommodation and meals will be available for students. The access to lectures, laboratory facilities and support

material is supported for all participants by the AQUAGAMETE COST action and by the host Fish Physiology and Genomics department.
Complete applications must be sent via e-mail to aquagamete@gmail.com. For more detailed information please contact Pepa Bayarri (aquagamete@gmail.com).

Applications should include the following documents:

- Application form
- Short Curriculum Vitae in the area;
- Motivation letter for participating in the training school, which should indicate the academic/professional status of the applicant;
- Letter of recommendation from the applicant's supervisor or employer;
- Financial Support justification (only for students).

Information available at: http://aquagamete.webs.upv.es
Location of the training course (Allée Henri Fabre, Campus de Beaulieu, Rennes) available at https://www.google.fr/maps/@48.1182969,-1.6413958,17z

Best regards

Julien Bobe and Catherine Labbé