

**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**

## **5<sup>th</sup> AQUAGAMETE TRAINING SCHOOL**

**Cryopreservation of fish germ cells**  
Valencia (Spain), 7<sup>th</sup>-11<sup>th</sup> March, 2016

### **Tentative program**

#### Monday, March 7<sup>th</sup>

- 09:00-09:30 Registration and welcome  
09:30-10:00 Progress, challenges and perspectives on fish gamete cryopreservation. [J.F. Asturiano](#).  
10:00-10:30 Basic info on cryopreservation process. [Á. Horváth](#).  
10:30-11:00 Coffee break.  
11:00-11:30 Surrogate production technology in fish. [M. Psenicka](#).  
11:30-12:25 IMPRESS ESRs presentations (7 x 8 min).  
12:25-12:40 Break.  
12:40-13:45 IMPRESS ESRs presentations (8 x 8 min).  
13:45-15:00 Lunch.  
15:00-18:00 Practical 1: Sperm cryopreservation in marine fish. [David S. Peñaranda](#) + [UPV team](#).

#### Tuesday, March 8<sup>th</sup>

09:00-18:00 Technical visit: visitor's center El Saler, Center for preservation of freshwater species CV (CCEDCV)-El Palmar, Fishermen facilities El Palmar, Albufera lagoon, Estany, Gola Pujol and Saler beach.

#### Wednesday, March 9<sup>th</sup>

- 09:00-10:00 Fish PGC cryopreservation: is it a realistic tool for fish conservation biology? [V. Robles](#).  
10:00-11:00 Reliability of cryobanking procedures: what are the effects on germline cells? [P. Herráez](#).  
11:00-11:30 Coffee break.  
11:30-12:30 Somatic cells as an additional resource for genome preservation: the promises and the difficulties. [C. Labbé](#).  
12:30-13:30 Epigenetics and non-Mendelian inheritance. [F. Piferrer](#).  
13:30-15:00 Lunch.  
15:00-18:00 Practical 2: Germ line isolation. [M. Psenicka](#), [T. Saito](#) + [UPV team](#).

#### Thursday, March 10<sup>th</sup>

- 09:00-09:45 Standardization and reporting in cryopreservation. [Á. Horváth](#).
- 09:45-10:15 Case study 1: Gonia cryopreservation (sturgeon). [M. Psenicka](#).
- 10:15-10:45 Case study 2: European eel sperm cryopreservation. [L. Pérez](#).
- 10:45-11:15 Coffee break.
- 11:15-11:45 Case study 3: Salmon sperm cryopreservation. [A. Ciereszko](#).
- 11:45-12:35 AQUAGAMETE ESRs presentations (4 x 10 min).
- 12:35-12:50 Break.
- 12:50-13:40 AQUAGAMETE ESRs presentations (4 x 10 min).
- 13:40-15:00 Lunch.
- 15:00-18:00 Practical 3: Microinjection. [M. Psenicka](#), [T. Saito](#) + UPV team.

#### Friday, March 11<sup>th</sup>

- 09:00-11:00 Technical visit PROISER facilities. [C. Soler](#) and PROISER team.
- 11:00-11:30 Coffee break.
- 11:30-13:30 Practical 4: Sperm quality evaluation (CASA). [C. Soler](#) and PROISER team / AQUAGAMETE Core Group + WG2 meetings.
- 13:30-15:00 Lunch (UV Campus).
- 15:00-18:00 Airport/Hotel.