

# Bestbrood Workshop. Main results and achievements in sole reproduction and genetics and practical sessions.

## First day: 24 May. Main results and achievements

### 9:00 Presentation of Bestbrood project

*Project coordinator*

### 9:30 Evaluation of diet and cohabiting on sperm quality of breeders cultivated under natural environmental conditions

*Carlos Carballo, CUPIMAR*

### 10:00 Effect of hormonal therapies on sperm production and gene expression.

*Patricia Gayo, IFAPA*

### 10:30 Reprogramming actions of bioactive compounds to improve growth performance

*Manuel Manchado, IFAPA*

### 10:30-11:00 Coffee-break

### 11:00 Non-invasive approaches to improve fish sperm quality: the action of melatonin and other natural antioxidants

*Francisca Felix de Azeredo Pinto e Melo, CCMAR*

### 11:30 Effect of antioxidants on sperm quality and upscaling of cryopreservation

*Carlos Carballo, CUPIMAR*

### 12:00 Genetic markers for growth and sex

*Israel Guerrero, IFAPA*

### 12:30 Genetic estimates for growth and shape quality and gene expression patterns

*Patricia Gayo, IFAPA*

### 13:00 Discussion and future collaborations

### 14:00 Workshop closing

# Bestbrood Workshop. Main results and achievements in sole reproduction and genetics and practical session.

## Second Day: 25 May. Practical session

### 9:00 Training techniques in sperm collection

- Delivery of materials and presentation of practical session
- Animal anesthesia techniques
- Practical session for sperm collection

### 10:30-11:00 Coffee-break

### 11:00 Techniques of sperm evaluation using CASA.

- Presentation of CASA technologies and methodologies
- Practical session for sperm evaluation of samples collected

### 12:30 Techniques for sperm cryopreservation

- Presentation of methodologies and strategies
- Practical session for sperm cryopreservation in straws and cryovials
- Evaluation of cryopreservation efficiency in CASA

### 14:00 End of the session



#### Información

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Place IFAPA El Toruño

El Pto Sta Maria (Spain)

Room: salón de actos



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y de la Producción Ecológica

Consejería de Agricultura,  
Pesca, Agua y Desarrollo Rural

## ACKNOWLEDGEMENTS



**BEST  
BROOD**  
Improving Fish Reproduction



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