

# Workshop on Reproductive Biotechnology in Flatfish

## Species: Trends in Breeders' Management

5<sup>th</sup> edition

2024, February 7<sup>th</sup>-9<sup>th</sup>

 **BUILDING 8, GREEN AMPHITHEATRE**

From	To	Wednesday 7 <sup>th</sup> February	
08:30		<b>Registration</b>	
09:00	09:10	Opening session	Breedflat team
09:10	09:50	<i>Important aspects in broodstock nutrition</i>	J. Dias (SPAROS, Portugal)
09:50	10:20	<i>The potential of micro and macroalgae as natural antioxidants in the reproduction of flatfish</i>	F. Félix (CCMAR, Portugal)
10:20	10:40	<b>Coffee Break</b>	
10:40	11:20	<i>Kisspeptin system in fish: reproductive insights and advances</i>	A. Mechaly (INBIOTEC-CONICET, Argentina)
11:20	11:50	<i>Techniques of hormonal induction: from classical to innovative protocols</i>	C. Oliveira (CCMAR, Portugal)
12:00	13:30	<b>Lunch Time</b>	
13:30	14:10	<i>Extracellular Vesicles: the new frontiers in biology and medicine</i>	A. Fazeli (University of Sheffield & Tartu, UK/Estonia)
14:10	14:30	<i>EV therapeutics &amp; EV diagnostics: A qEV and TRPS approach</i>	S. Mazlan (IZON, France)
14:30	14:50	<i>EVs isolation techniques in fish body fluids: a case study in flatfish and seabream breeders</i>	A. Tsakogiannis (CCMAR, Portugal)
14:50	15:30	<i>Nutritional and thermal modulation of miRNA expression in Senegalese sole</i>	J. Fernandes (NORD, Norway)
15:30	16:00	<b>Coffee Break</b>	
16:00	16:30	<i>Sperm cryopreservation: applications and strategies</i>	E. Cabrita (CCMAR, Portugal)
16:30	17:10	<i>Recent advances in spermatogonial stem cells in fish: from germ cell transplantation to Single-Cell RNA sequencing</i>	R. Nobrega (UNESP, Brazil)

From	To	Thursday 8 <sup>th</sup> February	
09:00	09:40	<i>Introduction to fish immunology</i>	B. Costas (CIIMAR, Portugal)
09:40	10:20	<i>Assessment of fish haematological profile and immune status</i>	L. Ramos-Pinto/M. Machado (CIIMAR, Portugal)
10:20	10:40	<b>Coffee Break</b>	
10:40	11:20	<i>Understanding the genetic basis of body shape and growth in sole</i>	M. Manchado (IFAPA, Spain)
11:20	11:50	<i>Genetic insights: sailing towards a sustainable aquaculture</i>	A. Barria (Benchmark Genetics, Norway)
12:00	13:30	<b>Lunch Time</b>	
13:30	13:50	<i>Halibut cultivation at Sogn Aqua Juveniles</i>	T. Osterbo (Sogn Aqua, Norway)
13:50	14:10	<i>Welfare in turbot breeders, a practice in Flatlantic</i>	C. Castro (Flatlantic, Portugal)
14:10	14:20	<i>Pursuing a career in scientific research</i>	L. Ferrão (UPV, Spain)
14:20	14:30	<i>From lab to industry cryopreservation</i>	J. Santana (Cryogenetics, Norway)
14:30	14:40	<i>My journey towards a career in science</i>	M. Almeida (INRAE, France)
15:00	16:30	<b>Scientific Peddy-Paper</b>	
16:00	18:30	<b>Happy Hour</b> (Building CP, 2 <sup>nd</sup> floor)	

 **Building LEOA**

From	To	Friday 9 <sup>th</sup> February	
09:30	12:30	<i>Sampling and haematological techniques</i>	L. Ramos-Pinto & M. Machado (CIIMAR, Portugal)
12:30	14:00	<b>Lunch</b>	
14:00	17:00	<i>Sperm extraction, analysis and cryopreservation: practical case in Senegalese sole</i>	E. Cabrita & F. Félix (CCMAR, Portugal)

**REGISTRATIONS OPEN**

**Practical sessions closed**

  
Iceland  
Liechtenstein  
Norway grants

Programme Operator



Promotor



Partners

