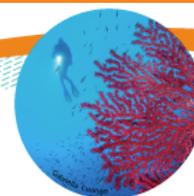


# EMBRIC Newsletter



## EMBRIC News



### Genetics and Breeding in Aquaculture: North meets South

The rainy weather did not stop the 40 participants to meet in Bergen (Norway) for the EMBRIC Company Forum Workshop on "Genetics and Breeding in Aquaculture: North meets South".

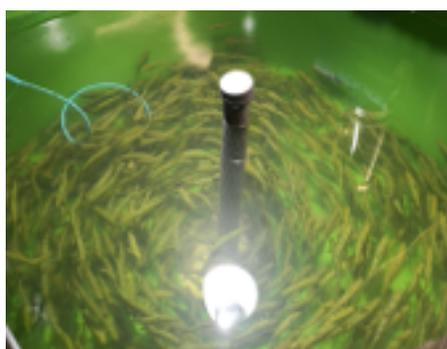
The workshop was organized by the University of Bergen (UiB) from the 3rd to the 4th of May. Both industry and academia joined with high-level presentations investigating the link between research and industrial requirements for the future of the aquaculture industry.

The local Technology Transfer Office (BTO) organised a match-making session for participants and interested parties with helpful input on research opportunities in Horizon2020. In organized site-visits, participants were able to visit the local start-up incubator and the Industrial Laboratory (ilab.no), which is a University owned service provider for industry and aquaculture research with an impressive display of flow-through sea- and fresh-water facilities together with climate controlled aquaria rooms with a range of species from salmon and salmon lice to lump-sucker, cod, and herring.

The sessions generated interactive discussions and led to stronger ties and networks in the aquaculture community. The dialogue will be continued at the 3rd WP8 Workshop "Off the Shelf - Solutions for Fin-and Shell-fish selective breeding" during the EAS Meeting in Montpellier, France, August 25 2018.



Visit to the industry



Site visit to UiB RAS facility



View on Bergen



## #BlueInvest - match-making event for the blue economy sector

The European Commission organised an EU-wide match-making event for start-ups and investors in Brussels on 17 May. Hundreds of people came and twenty companies had the opportunity to pitch their investment proposal in front of a jury of professional investors. Lastly, the #BlueInvest 2018 award was given not to one, but two companies: [Marlinks](#) and Fuvex. The first one under and the second one above the sea!

[More information on #BlueInvest](#)

---



## Marine Biotechnology has a huge potential, but is still an emerging sector

More than 700 high-ranking bioeconomy experts met at the **Global Bioeconomy Summit (GBS) in Berlin** in April to discuss the latest developments and challenges in the global bioeconomy.

One of the workshops at the GBS dealt with **blue growth**. The workshop was led by Bjørn Tore Erdal, who is Senior Advisor in the Secretariat for the Nordic Council of Ministers for Fisheries and Aquaculture, Agriculture, Food and Forestry and Alejandro Mentaberry, who is the Executive Coordinator in the Argentinian Ministry of Science and Technology.

The discussion was structured around three main topics: “Sustainable Fisheries”, “Marine Aquaculture” and “Disruptive trends in the blue bioeconomy”. The two hour workshop provided many different insights and interesting discussions around marine biotechnology.

### A few selected insights:

- Guy Viel, the executive director of the Marine Biotechnology Research Center spoke about disruptive trends in the blue bioeconomy. He sees a large potential for the marine biotechnology market. As future success stories, he views marine enzymes in the cosmetics industry, marine molecules as therapeutic agents and microalgae in biofuel production.
- Margareth Overland from the Norwegian University of Life Sciences highlighted

seaweeds and trees as potential feed resource. Both resources can – in an integrated biorefinery process – be transformed to yeast, which can then be used as feed for fish. To realize these potentials, more international collaboration among researchers, industry and the authorities is needed.

- Efthalia Arvaniti from the SUBMARINER Network spoke about mussel farming in the Baltic Sea, which has the potential to improve the water quality and advance blue growth in the feed industry. Mussel farming can remove nitrogen and phosphorus from the sea and mussels that are too small or fragile for human consumption can still be used as mussel meal for animal feed.
- Thierry Chopin from the University of New Brunswick, Canada, argued for an Integrated Multi-Trophic Aquaculture (IMTA), a concept that promotes the combined culture of marine animals, For example the fine particulate wastes from salmon is extracted by the mussels. This leads to a reduction of waste products in the marine environment.

Workshop presentations

## Discover our results



### Deliverable 8.1

Genomic datasets collected in task 8.2 deposited in public databases

### Genomic dataset

Genomic resources and selective breeding in mariculture are an economically important domain that - so far - still remains outside the spotlight. In EMBRIC, next generation sequencing technologies (NGS) were used for four finfish, namely Atlantic salmon, gilthead sea bream, bluefin tuna and greater amberjack and one shellfish, the King scallop. All genomic datasets were submitted to the public databases of the International Nucleotide Sequence Database Collaboration (INSDC).

Download report

## Get to know ... ELIXIR

**ELIXIR** is an intergovernmental organisation that brings together life science resources from across Europe.



These resources include databases, software tools, training materials, cloud storage and supercomputers. The goal of ELIXIR is to coordinate these resources so that they form a single infrastructure.

## Why is ELIXIR needed?

- to manage the huge amount of data that is produced with increasing DNA and RNA sequencing - ELIXIR's [Compute Platform](#) is creating a network of supercomputer services that is making it easier for researchers to manage the 'data deluge'
- to deal with the increasing complexity of data - its [Interoperability Platform](#) is finding ways to standardize data
- to make it easier to find the right tools and trainings - ELIXIR has built a [tools registry](#) and a [tools platform](#). A [training platform](#) makes it easier to learn how to use these tools
- to build a more robust bioinformatics infrastructure
- to drive innovation and [industry usage](#)

---

## ... a small note on MIRRI

Portugal and Spain will host the headquarters of the microbial resource research infrastructure (MIRRI). You can find the Press Release for download [here](#).

## Open calls

### Open Calls by EuroMarine

- A. Foresight Workshops (horizon scanning), up to 7,500€
- B. EuroMarine Working Groups on strategic services or issues, up to 5,000€

Activities must be carried out in 2019. Deadline for submission is 31 May 2018.

[More information](#)

## Open positions

## Executive Director of the European Marine Biological Resource Center

Application deadline: 30 June 2018

Envisaged start date: 1 January 2019

More information can be found [here](#).

## 2 post-doc positions at GEOMAR Marine Natural Products Chemistry Research Unit

Application deadline: 23 May 2018.

Applications should be directly sent to GEOMAR Personnel office at:  
bewerbung@geomar.de

Working language in the group is English.

For more information please visit

1. [Analytical Marine Natural Product Chemist](#)
2. [Marine Metabolomics](#)

## Royal Society Head of Industry Engagement

Application deadline: 20 May 2018.

For more information please visit [here](#).

## Royal Society Short Industry Fellowship

Application deadline: 24 May 2018

For more information please visit [here](#).

## Upcoming EMBRIC events

- **"Off the Shelf - Solutions for Fin- and Shell-fish selective breeding"** in Montpellier, France, 25 August 2018
- **EMBRIC General Assembly**, Heraklion, Greece, 18-20 September 2018

## Other upcoming events

- **Save the date! --- [CTLS2018](#) --- (Core technologies for life sciences)**  
EMBRIC, EMBRC-ERIC and CORBEL will attend and present at this four-days conference. CTLS2018 aims to offer core facility staff and those interested in careers as expert scientists an opportunity to learn, network and forge alliances to

strengthen core facility science throughout Europe. The CTLS 2018 will take place in Ghent, Belgium, 1-4 July 2018.

**The registration is open until Saturday, 16 June, 2018.**

- Blue Growth Summer School: "Can marine environment support growth maintaining good ocean health?" San Sebastián, Spain, 5 June 2018
- Building the capacity of EU early career marine researchers to operate effectively at the science-policy-society interface in Lošinj, Croatia, 17 June 2018
- Marine Tech Expo in Plymouth, UK, 21-22 June 2018
- Blue Biotechnology in the Baltic Sea Region – from Science to Business, Brussels, Belgium, 22 - 24 August, 2018
- UGent Blue Growth Summerschool in Ostend, Belgium, 10-21 September 2018
- Biomarine Business Convention in Cascais, Portugal, 2-3-4 October 2018

EMBRIC project  
<http://www.embric.eu/>



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 654008.

[Unsubscribe](#)

Gesendet von



© 2018 EMBRIC Project