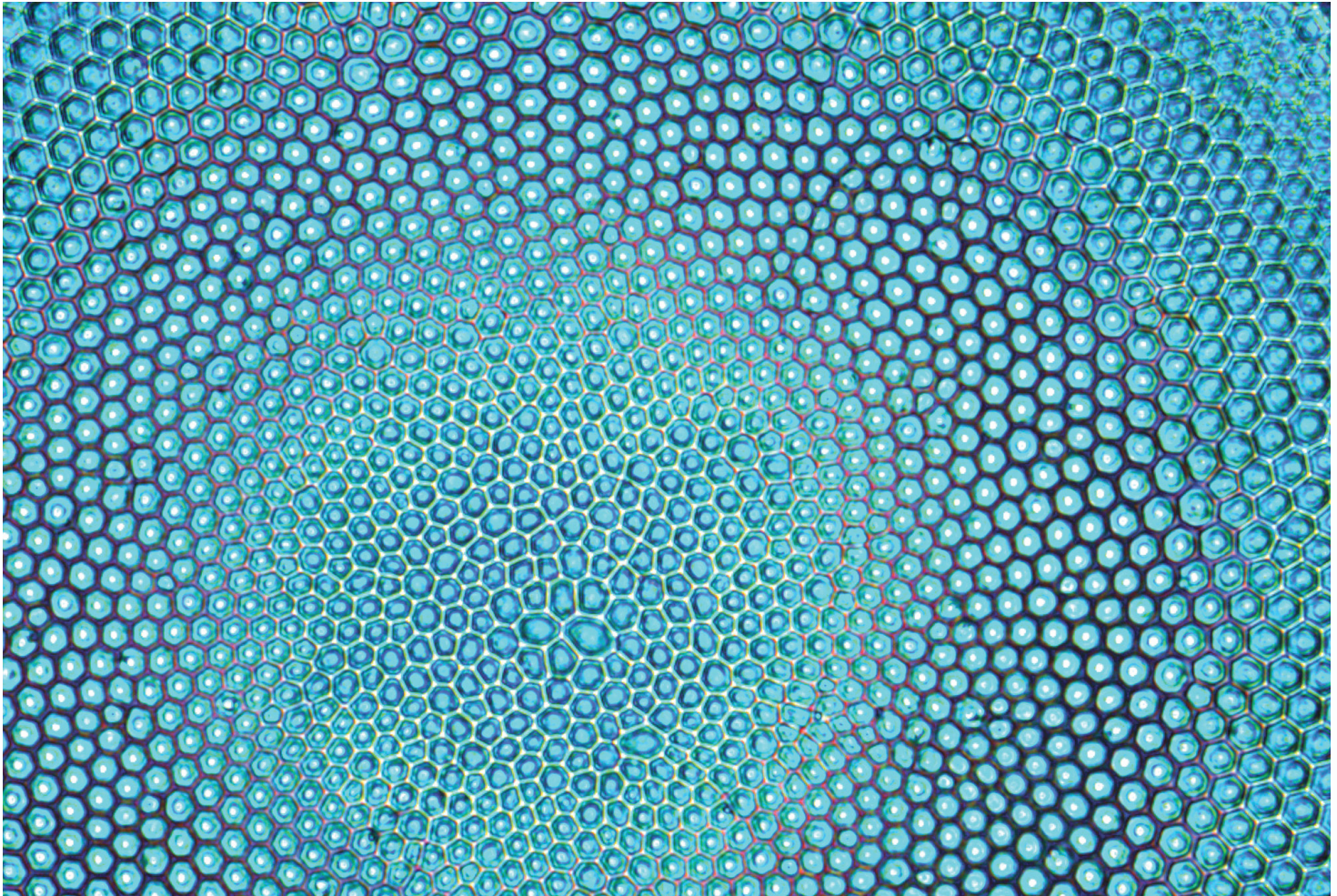


The Hot Spot  
for Blue Biotech



# Biotech North

Cluster for marine biotech





## Our story

Marine resources from the Arctic Sea are at the core of what we are. We build on a tradition of challenging expeditions and cautious use of marine resources from the coldest waters on the planet. With a world-leading research base at UiT The Arctic University of Norway, and entrepreneurs that dare to take risks, we uncover opportunities and create value from the sea.

Based in the Arctic city of Tromsø, Biotech North is a marine biotechnology and life science cluster with world class infrastructure. Here you find well-equipped vessels, state-of-the-art laboratories, testing and

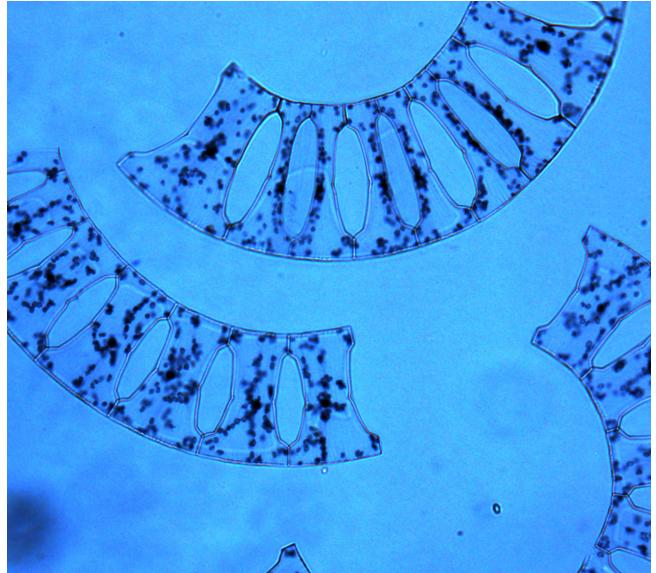
production facilities. We make it possible to create value all the way from idea to market.

Biotech North are a gateway to global markets and partners. We connect people by providing access to our network of vital stakeholders, experts, competence centers and development facilities. We host workshops, seminars and conferences, both for our cluster members and for the biotech community.

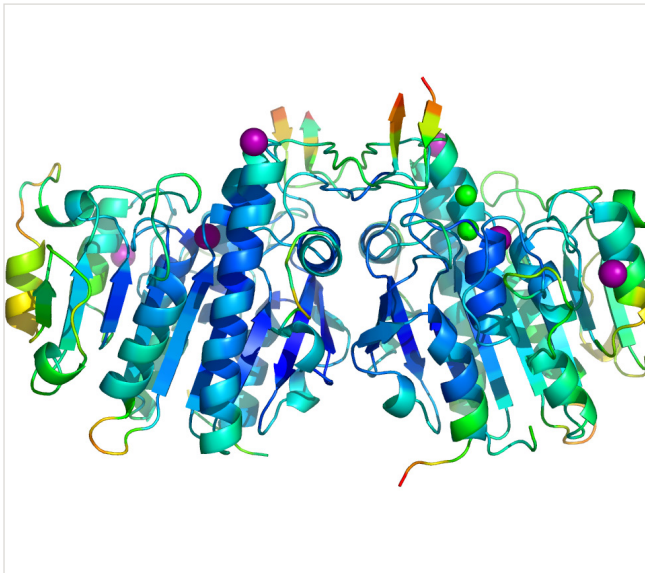
–Our story



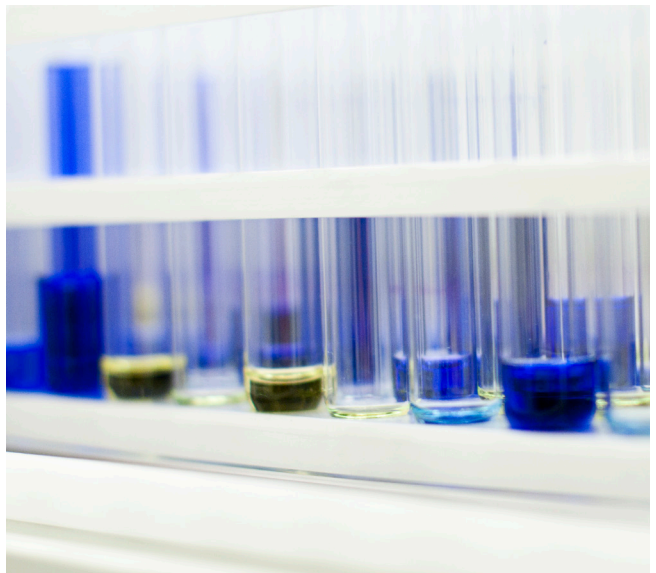
• Bioteq - National Facility for Marine Bioprocessing



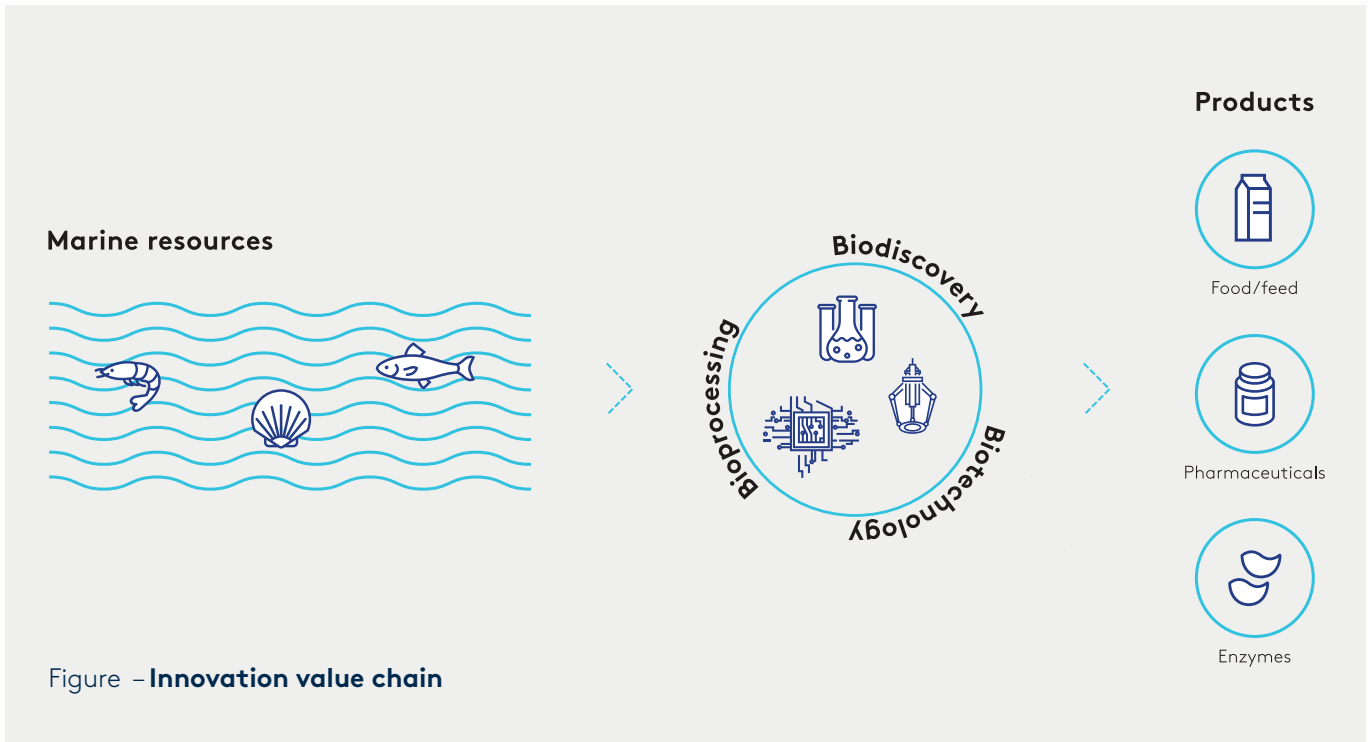
• Microalgae are now vital ingredients in a range of products from feed in fishfarming to cosmetics



• Foto: Norstruct



• Barents Biocentre Lab. Foto: Guro Storskjær/Photoartica.no



## Making success based on marine resources

The core of the cluster is access to unique marine resources, world class competence and infrastructure that gives you all you need to innovate.

We provide great opportunities for the future biobased economy. Marine, sustainable resources will be the source for a range of new products the world needs, including new treatments of diseases and food for a growing population.

Our members are already successful in developing unique products from marine resources.



– **Calanus**: has developed Calanus® Oil with effects beyond conventional omega-3 products. We base our products on *Calanus finmarchicus*, the largest renewable and harvestable resource in the Norwegian Sea. In addition to its major research community in marine biotech, Tromsø has the processing platform Biotep that helps us to innovate and develop our products. That is why Tromsø is the place for us to be.



– **Kvalvik Bait**: Based on marine byproducts we are making a sustainable and biologically degradable bait that can replace the use of seafood as bait within commercial longlining and pot fishing. In our region we find some of the world's most competent scientists within marine biotechnology to cooperate with and some of the biggest fisheries in the world.



– **ArcticZymes**: ArcticZymes develops and manufactures novel molecular enzymes originating from Arctic marine organisms for use in research, molecular diagnostics and applied markets. We have a strong global presence in the B2B community and have established valuable long-term business relationships with many leading commercial players as well as future technology leaders.



– **Brødrene Karlsen**: We have a long-standing tradition as a quality supplier of fish and fish products from the Arctic Sea. By cooperating with R&D partners in Tromsø we aim to innovate and develop new and sustainable products, and make more business out of our own residuals. We are making the future!

## Our members

Marine biotechnology is now a source of growth and prosperity in Northern Norway. Our members create value for investors and local communities, by making products for global markets in the new bio-economy.

### **Research facilities and infrastructure**

UiT The Arctic University of Norway, together with Nofima and other research institutes, form a solid science and knowledge base. Barents Biocentre Lab, Marbio, Norstruct and Biotep offer unique biotechnology and bioprocessing platforms for research, development and innovation. The Norinnova Incubator and the tech-transfer office plays an important role in making new business happen.

### **Biotech start-ups and growth companies**

Based on ideas from the leading science milieus in Tromsø, a large number of start-ups have been created. These are predominantly life science companies, constitute the inner core of the cluster, and represent attractive opportunities for value creation and investors.

### **Marine industries**

Northern Norway has a large number of marine companies within fisheries, seafood and fish farming. Several of these are part of the Biotech North cluster, and are major players in making our innovation platform based on marine resources possible.



Our vision is:  
Biotech North -  
The Hot Spot for  
Blue Biotech

Our members and partners



**Biotech North is a cluster  
for biomarine industries and  
biotechnology in Northern  
Norway with headquarters in  
Tromsø. You can find us here:**

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