

Marine biotechnology is widely recognized as an outstanding research area that can contribute significantly to the well-being of the society and the European bioeconomy.

As part of GEOMAR Helmholtz Centre for Ocean Research Kiel (Germany), GEOMAR-Biotech (GEOMAR Centre for Marine Biotechnology) is a unique, state-of-the-art centre dedicated to outstanding research in marine biotechnology and marine biodiscovery and the transfer of the research results to application. GEOMAR-Biotech is the successor of the Kiel Centre for Marine Natural Products (also known as Kieler Wirkstoff-Zentrum, KiWiZ), which was founded in 2006 through financial support of the Ministry of Economic Affairs, Employment, Transport and Technology Schleswig-Holstein, Germany.

GEOMAR-Biotech is part of the newly established Research Unit Marine Natural Product Chemistry at GEOMAR. Both GEOMAR-Biotech and Research Unit Marine Natural Product Chemistry are led by Prof. Dr. Deniz Tasdemir.

## Venue

### 17 December 2015 Symposium

Wissenschaftszentrum  
Fraunhoferstrasse 13  
24118 Kiel



### 18 December 2015 Official Opening

GEOMAR-Biotech  
Am Kiel-Kanal 44  
24106 Kiel



For further information please visit  
[www.geomar.de/en/research/fb3/fb3-mn/symposium2015/](http://www.geomar.de/en/research/fb3/fb3-mn/symposium2015/)

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## GEOMAR-Biotech Mini Symposium

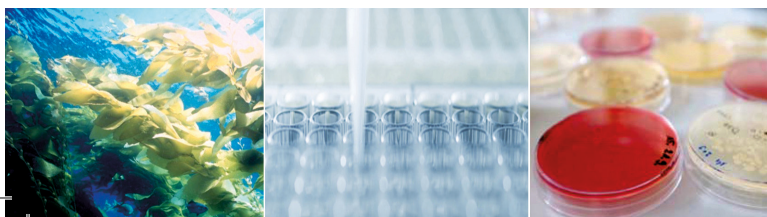
# Challenges and Opportunities in Marine Biotechnology Research and Development in Europe

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## Opening of GEOMAR-Biotech

Kiel, Germany

17-18 December 2015



Dear colleagues,

The recently established GEOMAR Centre for Marine Biotechnology (GEOMAR-Biotech) at Helmholtz Centre for Ocean Research Kiel cordially invites you to participate the mini symposium that will highlight the potential of marine bioresources and small-molecule marine natural products for research and applications in medicine, food, biotechnology and other areas.

The first day of the symposium (17. December) will feature lectures by prominent experts from industry and academia, complemented by statements from politics and society with a shared interest in marine biotechnology.

The second day of the symposium (18. December) is dedicated to the official opening the GEOMAR-Biotech to showcase the laboratories and on-going marine biotechnology research therein.

The symposium aims enhancing awareness for blue biotechnology, highlighting current approaches and trends for innovative use of marine resources and their chemical constituents, as well as for i.e. tackling the main obstacles faced in the field, such as access, supply issue and rapid development into products.

Junior scientists will be able to present their work in poster format and interact with the invited scientists.

We look forward to welcoming you soon in Kiel!

Prof. Dr. Deniz Tasdemir  
Director of GEOMAR-Biotech, Research Unit Marine Natural Product Chemistry, GEOMAR Helmholtz Centre for Ocean Research Kiel

## 17 December 2015 Symposium

8:00 - 18:00 Wissenschaftszentrum  
Fraunhoferstr. 13, 24118 Kiel

### 8:00-9:00 Registration

### 9:00 Welcome addresses

Prof. Dr. Deniz Tasdemir, Director of GEOMAR-Biotech, Research Unit Marine Natural Product Chemistry, GEOMAR

Dr. Steffen Lüsse, Ministry of Economic Affairs, Employment, Transport and Technology, Schleswig Holstein

Prof. Dr. Thorsten Reusch, Head of Research Division Marine Ecology, GEOMAR

Prof. Dr. Ralph Schneider, Kiel University, Excellence Cluster Future Ocean

**9:45 Opening lecture** Current challenges and opportunities in marine biotechnology and marine biodiscovery. Prof. Dr. Marcel Jaspars, University of Aberdeen, Aberdeen, UK

**10:35 Treasures from the sea for drug development.** Dr. Philip Gribbon, Fraunhofer IME ScreeningPort, Hamburg, Germany

### 11:10 Coffee break and poster viewing

**11:35** From marine chemical ecology to marine biotechnology: Case study, development of new antifouling solutions. Prof. Dr. Claire Hellio, Université de Bretagne Occidentale, Brest, France

**12:10** Lesson learned from chemical biology of microbe-host interactions. Application potentials in marine biotechnology. Dr. Christine Beemelmans, Hans Knöll Institute, Jena, Germany

**12:45** Marine microalgae as resource for marine biotechnology – An SME perspective. Dr. Jean-Paul Cadoret, GREENSEA, Meze, France

### 13:20 Lunch and poster viewing

**14:55** Sustainable use of marine biological resources for food applications: Insights from food industry. Dr. Udo Friedrich, DuPont Nutrition & Health, Niebüll, Germany

**15:30** A new era for *Aspergillus niger* as platform organism for the production of secondary metabolites. Prof. Dr. Vera Meyer, Berlin University of Technology, Berlin, Germany

**16:05** Generation of natural product-based leads for pharmaceutical applications. Prof. Dr. Mark Brönstrup, Helmholtz Centre for Infection Research, Braunschweig, Germany

**16:40 Closing lecture** Future of marine biotechnology in Europe. Prof. Dr. Torger Børresen, President of European Society of Marine Biotechnology and Technical University of Denmark, Lyngby, Denmark

### 17:30 Open panel discussion

### 18:00 End of the session

## 18 December 2015 Official Opening

10:30 - 14:00 GEOMAR-Biotech  
Am Kiel-Kanal 44, 24106 Kiel

### 10:30 Opening ceremony and press conference

### 11:30 Open house: Round tour and networking

### 14:00 End of the session