



PRESS RELEASE

White meets blue. Enzymicals AG and the Institute of Marine Biotechnology e.V. are going to cooperate in the areas of white and blue biotechnology.

Greifswald, May 30th, 2011 – Enzymicals AG, Greifswald, an emerging company in the field of industrial (white) biotechnology, and the Institute of Marine Biotechnology e.V. (IMaB), an association in the area of marine (blue) biotechnology, have signed a comprehensive agreement to cooperate in the future. The two institutions both located in Greifswald combine thereby their competencies in the commercialization of alternative expression systems and functional genome analysis for the production of fine chemicals.

The signed contract includes the joint use of innovative technologies for the identification and production of novel enzymes from aquatic sources, amongst others. “Dormant potentials of marine habitats for biotransformations can be deciphered and brought into market by the focused application of proteomics-based biotechnology”, says Prof. Dr. Thomas Schweder of the IMaB. “Together with Enzymicals AG, we can offer our expertise in the field of *de novo* genome sequencing and gene annotation to a wide audience as a service.”

The whole value chain can be covered jointly by merchandising of new biocatalysts from aquatic systems and the application-oriented process development by Enzymicals AG.

The two institutions complement each other in their strategic alignment perfectly by the construction of expression systems and production strains for applications in fine chemistry.

“Thus, our customers will gain access to exquisite biocatalysts for applications in the chemical and pharmaceutical industry”, adds Dr. Ulf

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Menyes, CEO of Enzymicals AG, who foresees a strengthening of core competencies by the partnership.

Both new and existing customers will gain a long-term competitive advantage in tailored product and process development based on innovative biocatalysts from the cooperation of both institutions.

About the Institute of Marine Biotechnology e.V.

The Institute of Marine Biotechnology e.V. (IMaB) was founded in 1996. The main concern of the institute is to promote and develop research in the field of marine biotechnology. This is done in close cooperation with the Ernst-Moritz-Arndt University of Greifswald. Research interests of the IMaB include the functional genome and proteome analysis of marine microorganisms, the discovery, enrichment and characterization of bioactive compounds from marine organisms and the development of new bacterial expression systems.

A particular focus is on the field of functional genomics of marine microorganisms. The increasing number of sequenced genomes of marine bacteria and the extensive data on marine metagenomes allow a comprehensive insight into the previously unknown metabolic activities of marine organisms. The functional genome analysis is substantially supported by the analysis of the physiological proteome. One of the most modern and best equipped proteome centers in Germany was established at the University of Greifswald in recent years. These technologies are used by the IMaB to determine relevant, new gene functions and to make them accessible for biotechnological applications.

www.marine-biotechnologie.de

About Enzymicals AG

The Enzymicals AG, Greifswald, was founded as a start-up company in August 2009, initialized by the workgroup of Prof. Uwe Bornscheuer,

Institute of Biochemistry at the University of Greifswald. The company specializes in enzymatic reactions for the production of fine and specialty chemicals and the manufacture and sale of biocatalysts.

The interdisciplinary team of biochemists, biologists, synthetic and process chemists is led by Dr. Ulf Menyes (chemist) as chief executive officer (CEO) and Dr. Rainer Wardenga (biologist) as head of research and production (CSO). The Enzymicals AG has established collaborations with leading companies in the chemical industry and established the technical requirements for the production of enzymes and for the biotechnological synthesis of specialty and fine chemicals on kg-scale within a short period of time.

www.enzymicals.com

Images (printing permitted provided source is acknowledged)



Image 1

Prof. Dr. Thomas Schweder and Dr. Ulf Menyes in front of a 100L-fermenter for recombinant bioprocesses

Image and text are also available at www.enzymicals.com.