

PRESS RELEASE

**BRAIN AG acquires share in chemical and biocatalyst specialist
Enzymicals AG**

Zwingenberg and Greifswald, July 12th, 2010 – BRAIN AG, one of the leading European white biotechnology companies, has acquired a minority share in Enzymicals AG. This biotechnology company was founded in 2009 as a spin-off by a management team from the workgroup led by Prof. Dr. Uwe Bornscheuer from Ernst-Moritz-Arndt University Greifswald with support from the EXIST-Programme of the Federal Ministry for Economy and Technology (BMWi). The strategic investment of BRAIN AG in the Greifswald-based company that specializes in biocatalytic production of fine and special chemicals as well as enzyme production enhances the previous activities of both companies in the biocatalysis sector.

Biocatalysis employs enzymes as catalysers for chemical reactions. This process is increasingly replacing classical chemical synthetic pathways in technological processes.

BRAIN owns extensive enzyme libraries facilitating rapid process development and optimization. The company from Greifswald focuses on producing and selling fine and special chemicals as well as the relevant biocatalysers and process development. BRAIN has now acquired a minority share in Enzymicals in order to form a strategic alliance, which brings together complementary modules of the value chain for biocatalytic production of fine and special chemicals. This step follows a long tradition of successful collaboration between BRAIN and the cofounder of Enzymicals AG, Prof. Dr. Uwe Bornscheuer and provides a broader commercial platform for this collaboration.

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“We see our strategic commitment to Enzymicals as a further step towards establishing white biotechnology as a future technology in Europe, forging the way towards biologizing key industries and the sustainable optimization of industrial processes”, explains Dr. Jürgen Eck, CTO of BRAIN AG. “For many years BRAIN has been successfully cooperating with Prof. Dr. Bornscheuer and his team in the field of biocatalysis. This has already generated many innovative products among various enzyme categories such as the esterases, laccases and monooxygenases. Our objective is to continue and intensify these activities with Enzymicals AG.”

“We are delighted that the renowned BRAIN AG has acquired a minority share in Enzymicals AG. For us, this is not just a validation of our technological expertise and business model. This step also opens up the possibility of using some of the proprietary enzymes from BRAIN to support our own developments. This is a useful addition to our portfolio of biocatalysers which includes Baeyer-Villiger-monooxygenases and recombinant isoenzymes of pig liver esterase”, explains Dr. Ulf Menyes, CEO of Enzymicals.

“This commitment by BRAIN AG places Enzymicals AG, which was founded as a spin-off by members of my work group, in a position to be able to employ many unique enzymes and enzyme categories from the BRAIN BioArchive to extend the portfolio of biocatalytically produced fine and special chemicals. This will intensify and boost the business activities of Enzymicals”, adds Prof. Dr. Uwe Bornscheuer, chairman of the Enzymicals AG supervisory board.

About BRAIN AG

BRAIN AG is an industrial “white” biotech company, which discovers and develops novel bioactive natural compounds and proprietary enzymes for its partners and customers in the chemical and pharmaceutical industries, as well as the food and cosmetics industries. With its unique approach to the discovery and production of new

biological compounds and biocatalysts, the company achieves creative solutions by harnessing nature's untapped biodiversity. Its success is built on its proprietary BioArchive comprising millions of genes, proteins and metabolic pathways from microbial isolates and metagenome libraries. Since its foundation in 1993, BRAIN has entered into over 60 strategic collaborations with nearly all the relevant companies within the chemical industry as e.g. BASF, Ciba, Clariant, Evonik Degussa, DSM, Genencor, Henkel, Nutrinova, RWE, Sandoz, Schering, Südzucker and Symrise, to name but a few. Currently, BRAIN employs 80 highly skilled people. For his groundbreaking industrial biotechnology activities for a sustainable „biologisation of the chemical industry“ using nature's toolbox for industrial processes, BRAIN CEO Dr. Holger Zinke received the “Deutschen Umweltpreis 2008” of the “Deutsche Bundesstiftung Umwelt”, DBU.

www.brain-biotech.de

About Enzymicals

Enzymicals AG was founded in August 2009 by the work group under Prof. Uwe Bornscheuer (chairman of the Enzymicals AG supervisory board and winner of the BiocatAward2008). The company specializes in the enzymatic production of fine and speciality chemicals and the production and selling of biocatalysts. The interdisciplinary team of biochemists, biologists, synthesis- 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). Within a short period, Enzymicals AG has already entered numerous collaborations with leading corporations within the chemical industry.

www.enzymicals.com

Images (printing permitted provided source is acknowledged)



Image 1

Automatic screening of biocatalytically active microorganisms and enzymes from the BRAIN-BioArchive using the ORCA-system
© BRAIN AG, Zwingenberg



Image 2

Producing fine chemicals in the bio-reactor at Enzymicals AG



Image 3

Signing the cooperation agreement (left to right: Prof. Dr. Uwe Bronscheuer, chairman of the Enzymicals AG supervisory board; Dr. Jürgen Eck, CTO BRAIN AG; Dr. Ulf Menyes, CEO Enzymicals AG)

Images and text are also available at www.brain-biotech.de and www.enzymicals.com.