Biomax Informatics Provides Knowledge Management and Semantic Software Technology, With European STATegra Project, Enabling Integrated Biological Systems Analysis

European STATegra Project Launch

For Immediate Release

PLANEGG, Germany/EWORLDWIRE/Jan. 9, 2013 --- The European STATegra Project, tasked with developing solutions to connect data production and data analysis, enables biologists to gain enhanced insight and understanding of their experiments.

The European Project "STATegra" has officially commenced at the Prince Felipe Research Centre (CIPF) (Valencia, Spain), with Biomax Informatics as the lead provider partner for semantic integration and knowledge development technology, a key element of the project goals. The project will focus on developing complex statistical methods wrapped into usable tools to provide integrative analysis of data from entire biological molecular systems.

STATegra is an initiative financed by the 7th European Union Framework Programme with six million euros, whose purpose is to develop statistical methods and user-friendly tools capable of integratively analyzing large amounts of -omic heterogeneous data-sets.

Last decade saw the beginning of the data-revolution age in biology, soon generating a challenge for biologists to understand their own experiments and results. The aim of STATegra is to design and validate methods, integrated as user-friendly tools, which will allow biologists to analyze their own data, therefore bridging the gap between data production and data analysis. To this end, the STATegra Project will generate and integratively analyze, for the first time, measures from several different aspects such as gene expression, microRNAs, DNA-methylation, protein-DNA interactions, protein and metabolite levels. In addition, semantic technologies will be developed to optimize the use of relevant data found in public databases.

Along with Biomax Informatics, the STATegra Project consortium is made up of:

- CLC bio (Denmark)
- Dr. Jesper Tegnér, Unit of Computational Medicine (Karolinska Institutet, Sweden)
- Dr. Matthias Merkenschlager, Imperial College of Science, Technology and Medicine(U.K.)
- Dr. Ioannis Tsamardinos, Foundation for Research and Technology -Hellas (Greece)
- Dr. Esteban Ballestar, Institut d'Investigaci Biomdica de Bellvitge (Spain)
- Dr. Age Smilde, University of Amsterdam (Holland)
- Dr. Thomas Hankemeier, University of Leiden (Holland)
- Dr. Axel Imhof, Ludwig-Maximilian's University of Munich (Germany)
- Dr. Ali Mortazavi, University of California, Irvine (U.S.A.)

The project is coordinated by Dr. Ana Conesa from the Computational Medicine Institute of the Prince Felipe Research Centre, Spain.

About Biomax
Biomax Informatics AG (Planegg, Germany), founded in 1997, is a leader in the development of customized bioinformatics and life sciences knowledge management solutions. Biomax developed the well-known Pedant-Pro Sequence Analysis Suite, the BioRS Integration and Retrieval System, the BioXM Knowledge Management Environment, and other computational solutions, for better decision-making and knowledge management in the life science industry. Biomax offers high-quality and comprehensive analysis of entire genomes including automatic and manual annotation. More information about Biomax is available at http://www.biomax.com.

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