

***Biomax Informatics – Press Release***

*For immediate release*

***Biomax leads research project to improve diagnosis of heart failure***

**Planegg/Munich, Germany, November 3, 2021** –Today DARIO, a new research project for digital diagnostic support of heart failure, kicks-off. The project is coordinated by Biomax Informatics AG and partners with the Institute for Applied Medical Technology of the RWTH Aachen University and the Clinic for Cardiology, Angiology and Internal Intensive Care Medicine of the University Hospital RWTH Aachen. Funded by the German Federal Ministry of Education and Research, Biomax invests more than one million euros in the development of this clinical decision support system.

Heart failure is one of the most frequent causes of hospitalization in Germany. In about half of all cases, the heart's pumping capacity remains intact. This is known as heart failure with preserved systolic pump function (HFpEF). Unfortunately, HFpEF often goes undiagnosed and in many cases leads to death.

"With DARIO, we want to develop a digital diagnostic traffic light for HFpEF patients in order to detect the disease in an early stage and across all disciplines in future, to predict the course of the disease and to improve treatment success through targeted therapy approaches" explains Dr. Dieter Maier, Director Project Management at Biomax and project leader of DARIO.

The diagnostic traffic light uses predictions based on artificial intelligence. To this end, data from everyday clinical practice and clinical studies as well as findings from doctors' letters are integrated in DARIO. The latter rely on the medical "standard dictionary" SNOMED CT and are converted into a computer-readable and standardized form by means of text mining. Biomax will use its semantic and technical interoperability platform, the BioXM™ Knowledge Management System, to link all data from various sources. In addition, Biomax will configure the user interface of the diagnostic traffic light to deliver it to the clinic.

DARIO is designed to run for three years. Subsequently, Biomax plans to develop a medical product for the healthcare market based on the results of this novel digital solution approach.

*End of Press Release*

### **About BioXM™**

The BioXM™ Knowledge Management Environment is a fully customizable, comprehensive knowledge management system that enables organizations to conduct more integrated, evidence-based research and development. The BioXM platform provides a central archive of all information that represents the collective knowledge of an organization. While individuals focus on generating knowledge in their specific area of expertise, the entire organization can benefit from this knowledge to make better decisions and pursue smarter strategies.

### **About SNOMED CT**

The Systematized Nomenclature of Medicine - Clinical Terminology (SNOMED CT) is a comprehensive, structured collection of terms used in healthcare. It represents a formal representation system (ontology) for health information, which is now used worldwide to standardize the communication of health data and make it available for automatic evaluations. The introduction of SNOMED CT in Germany is a building block for semantic interoperability in the electronic exchange and use of health data.

Since January 1, 2021, the national competence center for terminologies in the BfArM with the National Release Center (NRC) is responsible for the provision and further development of SNOMED CT in Germany.

### **About Biomax Informatics**

Biomax Informatics provides software solutions for better decision making and optimal knowledge management in the life science industry. Using the software, customers are able to add value by integrating information from proprietary and public resources to achieve a knowledge-based approach to developing innovative life science products. Biomax's global customers include hospitals, companies and research institutions that are successful in drug discovery, diagnostics, fine chemistry, food and crop production. Founded in 1997, the company currently has 45 employees and is headquartered in Planegg near Munich. For more information, visit [www.biomax.com](http://www.biomax.com).

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