

PRESS RELEASE

AYOXXA is Member of the International EYE-RISK Consortium

LUNARIS™ multiplexing platform is applied in epidemiological studies for AMD

Cologne, October 22nd, 2014

AYOXXA Biosystems GmbH, an international biotechnology company, is one of two industrial partners of EYE-RISK, a large biomedical consortium bringing together the expertise of ten renown scientific and clinical institutions and a patient organization from six European countries. It is led by Prof. Dr. Marius Ueffing of the University of Tübingen, Germany and Caroline Klaver of the Erasmus Universitair Medisch Centrum Rotterdam, Netherlands. AYOXXA contributes the LUNARIS™ technology platform to develop biomarker footprints to stratify patient subgroups.

The program is funded by the Horizon 2020 Research and Innovation Program of the European Union, aiming to study the combined role of genetic and non-genetic factors for developing Age-Related Macular Degeneration (AMD), an incurable disease and leading cause of blindness in Western countries. The consortium picked up work in June this year. The program is funded with 6 Mio. EUR until 2019.

EYE-RISK follows a multi-disciplinary approach exploiting epidemiological data and biosamples from large European eye cohorts and biobanks. Various risk factors including genes, environment, life style and age will be correlated with molecular data about pathways and drivers of AMD with the goal to improve diagnostics, to develop better therapies and to prevent blindness ultimately.

“We are pleased to join this very prestigious expert network in EYE-RISK and are looking forward to developing assays to footprint specific biomarkers within large patient groups on our powerful LUNARIS™ protein multiplexing platform,” comments Dr. Markus Zumbansen, VP Research and Development at AYOXXA Biosystems GmbH. “With EYE-RISK, we follow our strategy to develop advanced ophthalmic diagnostic tools.”

Prof. Dr. Marius Üffing adds: “We welcome AYOXXA as the expert in multiplex analysis in our consortium. We need faster protein testing solutions that generate more information out of precious samples without compromising data quality. EYE-RISK will bring significant shift in our approach to the treatment of individuals suffering AMD”.

www.eyerisk.eu

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About AYOXXA

AYOXXA Biosystems GmbH, an international biotech company based in Cologne (Germany), Boston (USA) and Singapore, has developed LUNARIS™ the proprietary technology platform for multiplex protein analysis. LUNARIS™ BioChips enable researchers to perform simultaneous detection of multiple biomarkers in very small sample volume. Founded in 2010, AYOXXA is a biotech spin-off company of the National University of Singapore (NUS). Core to the cutting-edge technology is a bead-based method that yields 10,000-fold more data points than a standard immunoassay. LUNARIS™ was developed at Associate Professor Dieter Trau's laboratory at the Department of Biomedical Engineering at NUS.

In September 2015, AYOXXA launched LUNARIS™ 6-Plex Cytokine Kits to analyze prominent biomarkers that are important in inflammation and in immune regulation in human and mouse. Together with a sample volume down to 3 µL, an increased assay robustness, and using fluorescence readout, AYOXXA will innovate biomedical research, pharmacological screening and preclinical diagnostics development.