Press Release
2nd May 2012

Qlucore co-founder appointed President of The European Consortium for Mathematics in Industry (ECMI)

Qlucore, a world leader in the development of bioinformatics software, has today announced that co-founding member Prof. Dr. Magnus Fontes has been appointed President of The European Consortium for Mathematics in Industry (ECMI), to chair the board of ECMI council members made up of elected representatives of 18 participating European countries.

The ECMI is a consortium of academic institutions and industrial companies that acts co-operatively to promote and support the use of mathematical models in any activity of social or economic importance, with the aim of supporting European industry in the development of technological innovations and the promotion of the Europe 2020 Agenda for smart, sustainable and inclusive growth.

> **"I am honoured to be elected as President of the ECMI and to be able to help drive the organisation forward to meeting its ongoing aims of supporting sustainable growth for European industry,"** said Prof. Dr. Magnus Fontes, co-founder of Qlucore and new President of The ECMI. **"I'm passionate about Mathematics, and throughout my life in both the academic and business worlds I've seen the role it can play in helping to develop industrial and technological innovations that support the economy and encourage growth."**

Mathematics plays a key role in technology, economics and life sciences, and industry is increasingly dependent on mathematical expertise, so Prof. Dr. Magnus Fontes is well qualified to help meet the aims of the ECMI as Chairman of the Centre for Mathematical Sciences at Lund University, and Vice chairman of the Swedish National Committee for Mathematics at the Royal Swedish Academy of Science. In addition, at Qlucore, he helped to develop the Company from its early beginnings as a collaborative research project at Lund University, Sweden into a business with global customers in Life-science and Biotech industries.

Qlucore's Omics Explorer provides a real world example of how mathematics can be used in practice. One of the software's key features, its Dynamic PCA (principal component analysis),

is an amalgamation of advanced mathematics and the best techniques for graphical visualisation that provides users with an excellent experience with speed. Qlucore Omics Explorer is used by leading researchers for analysis of data such as gene expression, protein expression and other omics data.

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About Qlucore

Qlucore started as a collaborative research project at Lund University, Sweden, supported by researchers at the Departments of Mathematics and Clinical Genetics, in order to address the vast amount of high-dimensional data generated with microarray gene expression analysis. As a result, it was recognised that an interactive scientific software tool was needed to conceptualise the ideas evolving from the research collaboration.

The basic concept behind the software is to provide a tool that can take full advantage of the most powerful pattern recogniser that exists - the human brain. The result is a fast, user friendly and powerful software program that lets the user handle and filter data and the same time instantly visualise it in 3D. The application areas span multiple fields with the common factor that large sets of numerical data need to be analyzed. Over the last five years major efforts have been made to optimise the early ideas and to develop a software program that is extremely fast, allowing the user to explore and analyse high-dimensional data sets with the use of a normal PC, interactively and in real time.

Qlucore was founded in early 2007 and the first product was released the same year. The latest version of this software, called Qlucore Omics Explorer, is a major step in providing researchers an easy to use and still powerful tool for analysis of large numerical datasets. The combination of best in class visualization, fantastic speed and advanced statistics support and user friendliness puts the user in focus and supports instant analysis and creativity., The visualization methods range from an innovative use of principal component analysis (PCA) to interactive heat maps and flexible scatter plots. All user action is at most two mouse clicks away. The company's early customers are mainly from the Life-science and Biotech industries and they use Qlucore Omics Explorer on gene expression data, protein data, DNA methylated data, micro RNA data and other genomic data. Please read examples of our peer reviewed publications in scientific journals.

Press Contact:
Chaz Brooks / Alison Scarrott
Chazbrooks Communications Ltd
Tel: +44 (0)1483 537 890
Email: chaz@chazb.com
Web: www.chazb.com

Qlucore Contact:
Phone: +46 46 286 3110
http://www.qlucore.com