

Press Release

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Qlucore releases unique AI-based solution in the field of lung cancer subtyping

Qlucore, listed on Nasdaq First North, can now release a new version of Qlucore Insights specifically designed for the lung cancer field, with the capability to classify primary lung samples as well as metastatic lesions. The lung cancer model is being developed with Heidelberg University Hospital, supported by a Eurostars Joint European Programme grant.

The new Qlucore Insights model provides a comprehensive overview of the lesion that is being analyzed. The model assigns a sample to one of 18 subgroups, where the subgroups include the major primary lung cancer subtypes, twelve subgroups for metastatic cancer such as breast, colorectal, or kidney cell cancer and two subtypes for infections/inflammatory conditions, i.e. Sarcoidosis and TBC.

The Qlucore Insights lung cancer model is based on RNA data from more than 300 carefully selected samples (FFPE). The model is developed using modern and tailored AI-based machine learning techniques. Gene fusions are also detected and reported. Data processing and results are easy and fast to generate with the foundation in standard RNA-seq kits, standard workflows and NGS-instruments.

Although there have been major advancements in the treatment of lung cancer over the past decades, it remains a major cause of death worldwide. To further improve outcomes, the scientific community favours RNA analysis which unlike DNA, fluctuates considerably both in presence and relative concentrations reflecting the cellular characteristics of a tumor. RNA analysis gives a snapshot of the current state of a potential tumor sample. Qlucore uses this snapshot to assign a sample to the correct subgroup.

"The collaboration with the team from Heidelberg University Hospital is working very well, and we are delighted to see the new Qlucore Insights model being launched", says Carl-Johan Ivarsson, CEO of Qlucore.

Qlucore Insights is intended for research use only and enables early testing and evaluation. Qlucore Insights is provided to hospitals, clinics, and laboratories.

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About Qlucore

Qlucore is a leading provider of new generation intuitive bioinformatics software for research and precision and companion diagnostics. Qlucore's mission is to make it easier to analyze the huge amounts of complex data generated by innovations in the fields of genomics and proteomics by providing powerful visualization-based bioinformatics data analysis tools for research and precision diagnostics. Qlucore Omics Explorer software is a easy to use bioinformatics software for research in the life science, plant- and biotech industries, as well as in academia. Qlucore Diagnostics and Qlucore Insights are software platforms with built in AI-based machine learning for multi-omics companion and precision diagnostics. Qlucore was founded in 2007 in Lund, Sweden and has customers in about 25 countries around the world, with sales offices in Europe and North America, and distribution in several countries in Asia. Qlucore is listed on the Nasdaq First North Growth market. www.qlucore.com

Image Attachments

[PR Lung Cancer 2024 05 21](#)

Attachments

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