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COBO Technologies, SCIEX partner to develop PIPPR

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PIPPR will make it possible to monitor any changes in the protein expression levels in the modified cell.



COBO Technologies, a company specialised in quality control services and products in genome editing has announced a new partnership with SCIEX, a global leader in life science analytical technologies, to develop PIPPR, a unique protein expression analysis platform. Based in Copenhagen, Denmark, Cobo Technologies specialises in products and services for Quality Control of CRISPR-modified cells and animals. The proprietary CRISPR INDEL Profiling Platform (CIPPTM), which is based on the Indel Detection by Amplicon Analysis (IDAATM) methodology and developed for detailed DNA mutation analysis, was launched in December 2017, followed by PIPPR, which was launched in January 2019. PIPPR was created for extensive protein/proteome expression profiling using SWATH Acquisition.

There is an increasing need to do more complexed quality control of cells modified with CRISPR. PIPPR will make it possible to monitor any changes in the protein expression levels in the modified cell. From this data a researcher can easily confirm the quality of any type of CRISPR application and detect potential off-target issues that need to be addressed.

“PIPPR identifies and quantifies proteins of all cells and animals modified with CRISPR and the method doesn’t need any antibodies or labelling of proteins. It’s a fast, sensitive, reproducible and robust solution, but also a cost-effective solution that’ll fit any type of CRISPR application,” says Jens-Ole Bock, CEO and founder of Cobo Technologies. “SCIEX is a world-leading company in mass spectrometry instrumentation and innovative software solutions for proteomics and the pharma industry. Combined with COBO Technologies’ expertise of products and services for quality control of CRISPR applications, you have a very powerful collaboration that’ll benefit scientists as well as the two companies.”

COBO Technologies and SCIEX will promote the PIPPR platform in conjunction with SWATH Acquisition, the TripleTOF 6600 LC-MS/MS System and related software solutions from SCIEX. COBO Technologies supports customers globally in both research and clinical fields.

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