**Leica Microsystems adds cutting-edge light sheet solutions to its portfolio with the integration of Viventis Microscopy**

**Patented Viventis light sheet solution enables detailed volumetric imaging to explore life in its entirety**

Wetzlar, Germany, May 7, 2024 Leica Microsystems, a leader in microscopy and scientific instrumentation and advanced imaging solutions, has added the light sheet technology of Viventis Microscopy to its line of advanced research microscopes. Light sheet microscopy allows researchers to study the development and dynamics of complex biological systems in detail down to the single cell level. As a particularly gentle imaging technique, light sheet microscopy provides an unbiased view of natural processes over the course of time. This can lead to breakthroughs in various scientific fields, increasing understanding of biology, health and disease. The new Viventis LS2 Live light sheet fluorescence microscope provides in a unique way multi-view and multi-position light sheet imaging to illuminate life in its entirety. Its spatio-temporal resolution and image quality, even for large light-scattering samples, enable researchers to expand their scientific understanding and analysis. Leica Microsystems is available for inquiries regarding the Viventis LS2 Live microscope and will provide worldwide support and service for all Viventis Microscopy products from now on.

"At Leica Microsystems, our focus in life sciences is on delivering the context required by researchers to enable tomorrow's breakthroughs," said Dr. Annette Rinck, President of Leica Microsystems. "With Viventis Microscopy joining our strong portfolio, we will empower the global research community to extract this context from 3D models such as organoids and other large samples. Indeed, the gentle visualization of the entire sample volume in organoids with unprecedented detail over time is transforming in-depth functional studies and pushing the boundaries of scientific understanding."

"Leica Microsystems was the ideal partner for us to ensure access to innovative light sheet solutions for the global research community," added Petr Strnad, co-founder of Viventis Microscopy and now part of the Leica Microsystems Life Sciences Business Unit, led by Vice President James O´Brien. "Now that we are part of the Leica team, we will continue to help researchers embark on a new journey of breakthrough scientific discoveries.”

Viventis Microscopy started the development of light sheet microscopes in 2016 in collaboration with the laboratory of Prisca Liberali at the Friedrich Miescher Institute, Basel, Switzerland. Since then, the company has provided microscopes to top European research institutes.

**Ends**

**Image captions**

BrainRendering\_ViventisLS2\_LIve\_Leica\_Microsystems.jpg

Caption: Brain organoids labeled with lamin (green) and tubulin (magenta). Courtesy of Akanksha Jain. Treutlein Lab ETH-DBSSE Basel (Switzerland).

File: Viventis\_LS2\_Live\_ProductIImage.jpg

Caption: Viventis LS2 Live Light Sheer Microscope

**Notes to Editors**

About Leica Microsystems

Leica Microsystems develops and manufactures microscopes and scientific instruments for the analysis of microstructures and nanostructures. Ever since the company started as a family business in the nineteenth century, its instruments have been widely recognized for their optical precision and innovative technology. It is one of the market leaders in compound and stereo microscopy, digital microscopy, confocal laser scanning microscopy with related imaging systems, electron microscopy sample preparation, and surgical microscopes. Leica Microsystems is a subsidiary of Danaher, a leading global life sciences and diagnostics innovator, committed to accelerating the power of science and technology to improve human health.

Find out more at

https://www.leica-microsystems.com/company/news/news-details/leica-microsystems-adds-cutting-edge-light-sheet-solutions-to-its-portfolio-with-the-integration-of-viventis-microscopy/