

## **Recent Developments in Super-Resolution Microscopy**

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Photon Lines

Stimulated emission depletion (STED) microscopy has proven to be an imaging technique, which provides its' users with the possibility of generating high-quality images with a resolution down to 20 nm.

Abberior Instruments as the leading innovator, developer and manufacturer of STED super resolution microscopes has a strong focus on offering bespoke imaging solutions for customers. Their instruments are designed by the inventors of the method including Abberior's co-founder, Nobel Laureate Prof. Stefan W. Hell. Therefore, the systems are always state-of-the-art due to a history of constantly improving technology.

This includes the Facility Line, which was released only last year, covering features like intelligent illumination, adaptive optics as well as the novel Matrix Detector, which improves signal-to-background ratio, resolution, and dynamic range.