



Monday, February 17

5:30 PM – 7:00 PM

Room 33A

LUMICKS

Breaking the Barriers: Providing the Full Workflow for Dynamic Single-Molecule Research from Sample to Publication

Here, we present our newest developments to further support discoveries in the fields of biology and biophysics. Our aim is to enable faster, easier, and more reliable than ever single-molecule research – from sample to publication – by extending the full experimental workflow with new services and open-access initiatives.

To decipher complex molecular interactions, you need to be able to observe the same biological process from multiple points of view. Using LUMICKS' groundbreaking C-Trap™ Optical Tweezers – Fluorescence & Label-free Microscopy, you can simultaneously visualize individual molecules in real time and measure biological processes in greater detail. The combination of live-imaging and measurements has proven to be a research game changer.

With the ever-increasing pressure to perform breakthrough discoveries in the least amount of time, LUMICKS brings you an instrument with unprecedented high precision, accuracy, reliability, and the shortest time to result. The C-Trap gives you access to three key features: stable and precise sample manipulation and measurements, a wide variety of visualization capabilities, and a high throughput experimental workflow.

With the technology in hand, the major barriers that still remain in dynamic single-molecule experimentation are caused by tedious sample preparation and non-standardized data analysis methods.

With ready-to-use kits, tailored sample preparation support, and easy-to-use data analysis, scientists can now focus more on their biological questions and generate the next wave of scientific discoveries in the least amount of time.

Join our presentation to learn about our new single-molecule biochemistry services and our open-access user community for experiment automation and data analysis in single-molecule research.

Speakers

Olivier Heyning, Chief Executive Officer & Founder, LUMICKS

Emmanuel Lissek, Application Scientist, LUMICKS

Ali Raja, Director Americas, LUMICKS