



Kinetic River Corp. Launches *Danube* Fluorescence Lifetime Flow Cytometer

Time-resolved flow cytometry enables cell biologists to study proteins and cellular microenvironment

San Francisco, Calif., USA, February 3, 2013 – Kinetic River Corp., a leader in flow cytometry instrumentation design and product development, officially launched the *Danube* today at Photonics West's BIOS Expo in San Francisco, Calif.

Under development since early 2012, the *Danube* goes beyond a traditional flow cytometer's capability by providing direct time-domain fluorescence lifetime information on a cell-by-cell basis. Fluorescence lifetime is a property of fluorescent dyes that allows sensitive measurements not otherwise possible. Long available on specialized microscopes, time-domain fluorescence lifetime measurements have not been commercially available for flow cytometry—until now.

Some of the cell-analysis applications made possible or enhanced by fluorescence lifetime measurements include: protein-protein interactions; protein conformation; subcellular transport; local subcellular microenvironment; metabolic profiling; and the diverse subfield of FRET (Förster Resonance Energy Transfer) analysis.

About Kinetic River

Kinetic River Corp. is a design, consulting, and product development company specializing in life science and biomedical applications. The company's core strength is in flow cytometry. Based in California's Silicon Valley, Kinetic River has brought to market flow cytometry products and delivered instrumentation designs, prototypes, due-diligence technology assessments, and biophotonics training seminars to clients worldwide. For more information, visit KineticRiver.com.

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