

2ND INTERNATIONAL MICROFLUIDICS CONGRESS

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Sample delivery approaches for synchrotron & XFEL light sources-a bottom up approach

This workshop will cover many different microfluidic approaches to sample manipulation and delivery for XFEL and Synchrotron protein crystallography experiments. After touching on microfluidic 'on chip' approaches the workshop will review and describe

other novel approaches to handling samples as small as 10 picolitres at rates approaching 50KHz. I will be describing acoustic manipulation, acoustic levitation, optical trapping, flexible microfluidics, digital microfluidics to name a few.

Biography

Peter Docker holds the position of Senior Engineer at the Diamond light source the UK's synchrotron. He has 19 years' experience in micro, nano and pico device and sample handling systems. His current position involves developing such systems for sample delivery for Xray interrogation.

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