

Sample Delivery Instrumentation at the European XFEL Facility

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The European XFEL Facility will produce X-rays with unprecedented peak brightness and repetition rate. In initially six end stations, samples in gaseous, liquid and solid states will be examined both with imaging and spectroscopic methods. To assist internal and external users to deliver their samples to the beam, the European XFEL establishes a Sample Environment group. In this talk I will present the present status of this group and plans and considerations for future development. Sample delivery instrumentation includes liquid jets, aerodynamic lens stacks, gas sources for molecules and clusters and fast change of fixed targets.