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The SPB/SFX Instrument of the European XFEL: Commissioning outcomes and first user results

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First lasing at the European XFEL was demonstrated in May last year (2017). From these first photons, remarkable progress has been made in delivering beam to the instruments and conducting first user experiments only four months later in September of the same year. I will present an overview of the Single Particles, clusters and Biomolecules and Serial Femtosecond Crystallography (SPB/SFX) instrument, an instrument largely focused on structure determination of biological specimens. I will present highlights from the commissioning of the instrument, as well as show some of the first results from the early user experiments, including successfully determined structures. Finally, an overview of the future development plans for additional capabilities, including the contributions of the SFX user consortium, will be presented.

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