


MDC–Bruker Center of Excellence for Single Cell Omics

The Max Delbrück Center (MDC) and Bruker have entered a strategic partnership to build a new center for cutting-edge research in single cell omics. This collaborative environment brings together scientists from the MDC and Bruker experts to accelerate innovations in systems medicine.

It creates a highly interactive and stimulating ecosystem fostering a dynamic exchange of knowledge and ideas between academic and industry partners who co-locate at the MDC's facilities to leverage shared resources and drive scientific discoveries. This equally beneficial approach provides MDC scientists and their research partners early access to the latest mass spectrometry technologies including expertise from Bruker. At the same time, Bruker gain invaluable insights into new applications and opportunities for market-testing.



MDC and Bruker also engage in joint technology development. Initial R&D efforts focus on the co-creation of the first robust and broadly applicable platform for routine multi-omics profiling of a single or a few cells with spatial resolution for translational research. Further projects are already in the planning and we are looking forward to enabling new ground-breaking research with further partners applying the co-created solutions.

A photograph of a Bruker mass spectrometry system. On the left is a dark blue unit labeled 'nanoElute 2' with a 'BRUKER' logo. To its right is a silver unit labeled 'msTOF Ultra'. A central vertical column connects them. Various tubes and wires are visible, including a blue-capped bottle on the nanoElute unit. The background is a plain wall with a light fixture.

Pioneering
innovations in
systems medicine

MDC - BRUKER TEAM

Fabian Coscia, Head of Spatial Proteomics research group

Stefan Kempa, Head of Proteomics & Metabolomics technology platform

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