

University of Sydney signs precision-medicine research partnership with Bruker

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To advance nanomedicine, gene therapies and the early detection, treatment and prevention of disease



Researchers at the University of Sydney, Australia have taken a significant stride forward in precision medicine, with the University announcing a five-year research partnership with US-based Bruker, a world-leading manufacturer of high-performance scientific instruments.

Under the partnership, the University will acquire two atomic force microscopes made by Bruker to add to its world-class research facilities. The new-generation microscopes are being installed this month.

The first of their kind in Australia, the systems are customised to perform the highest resolution imaging of living biological samples, visualise dynamic molecular mechanisms and quantify cellular and biomolecular interactions. Advanced automation capabilities make them ideal for biomedical and preclinical research.

As part of the University's core research facilities, the microscopes will be available for hire to industry partners and to support research. The new atomic force microscopes will be housed on the University of Sydney's Camperdown campus within Sydney Microscopy and Microanalysis, an open-access core research facility.