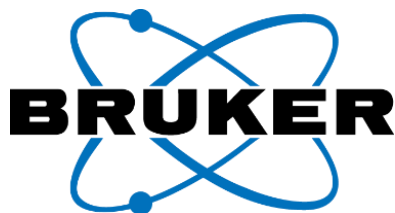


## Invitation to Free Instrument Demonstration:



### ***High Speed Atomic Force Microscopy: Imaging dynamic processes at the nanoscale***

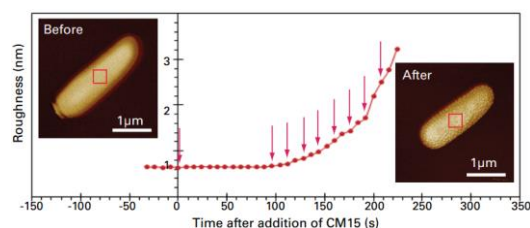
Bruker's Dimension FastScan is the world's fastest commercial atomic force microscope providing exceptional imaging quality and speed. Using high speed AFM imaging researchers may deduce surface structure and morphology change over time due to external influences to better understand dynamic processes. Applications are far ranging and include molecular and cellular dynamics, membrane and film formation, polymer dewetting, surface corrosion processes and many more. High speed atomic force microscopy can be readily applied across a broad range of applications in the biological, chemical and material sciences.

You are invited to attend a **free live demonstration** of the Bruker FastScan AFM, hosted by the Australian Institute for Nanoscale Science and Technology at the University of Sydney. Two sessions per day will be provided over three days.

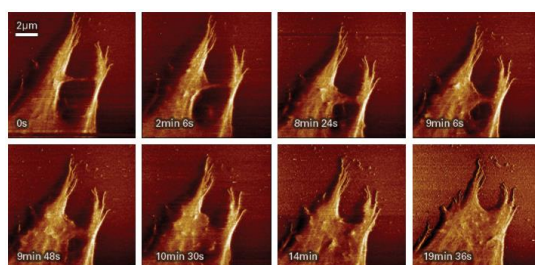
Space in each session is limited, email today to confirm your attendance and nominate your preferred session.

#### **Live Instrument Demonstrations:**

*Sessions begin 9:30am and 1:30pm daily  
Tuesday 30<sup>th</sup> Aug to Thursday 1<sup>st</sup> Sept  
AINST, Sydney NanoScience Hub  
Sydney University, Camperdown*



*Graph showing the rapid increase in surface roughness of the outer membrane of a live E. coli cell after exposure to the antimicrobial peptide CM15 (20µg/mL)*



*AFM image sequence of the leading front of a migrating stem cell showing the formation of two extended lamellipodia*

**To reserve a demonstration slot, or for more information:**

Mr Christian Gow  
Email: [christian.gow@coherent.com.au](mailto:christian.gow@coherent.com.au)

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Email: [wchrzanowski@sydney.edu.au](mailto:wchrzanowski@sydney.edu.au)