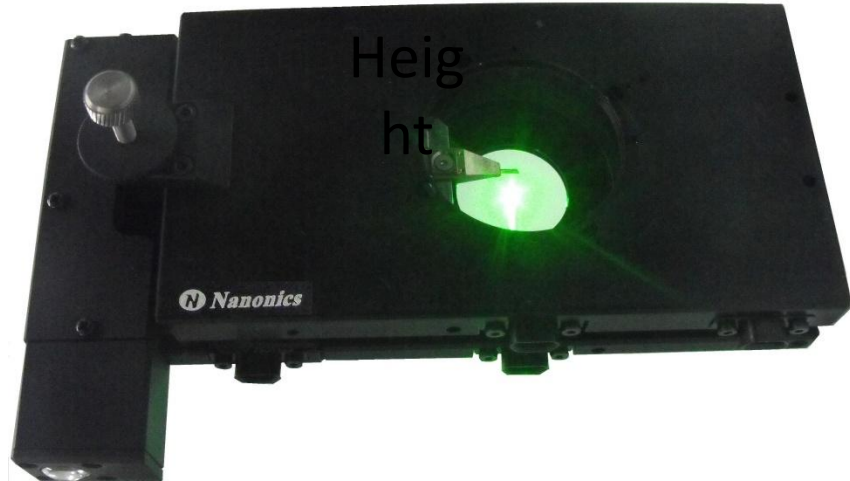
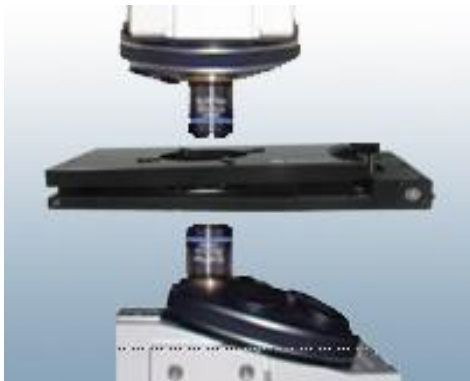


Nanonics MultiView 2000

The Most
Versatile
Ultrasensitive
Scanning Probe
Microscope

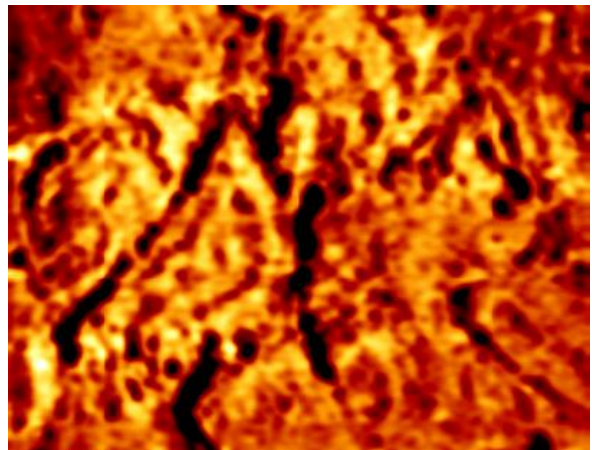


*The Next Evolution In
NanoCharacterization™*

RIFERIMENTO PER L'ITALIA



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Topography of Live MDCK Cells



Ultrasensitive Compact Flexible Scanning Probe Microscope

Providing The Ultimate In Imaging & Harnessing New Horizons

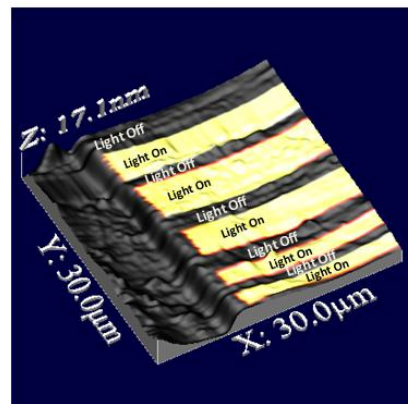
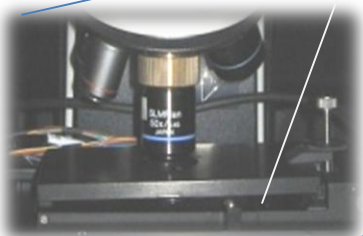
The MultiView 2000™ is a compact ultra-low noise scanning probe microscope offering the highest of quality with full flexibility. Its singular design allows for full optical integration with a variety of microscopes. For both opaque and transparent samples, the highest numerical aperture objectives can be used with working distances of <1mm. On-line sample and probe scanning is standard giving the user complete flexibility to choose whether the sample or tip is static during scanning.

Tuning forks provide the primary feedback method for such probes freeing the user from artifacts induced in electrical, optical and other imaging by often repeated laser feedback. Tuning forks are known to be the best form of SPM feedback allowing force mapping with Q factors in the thousands, even in liquid. Thus, unprecedented 1.6pN force sensitivity can be achieved. For the first time, the contact point of the tip on the sample under investigation can be experimentally determined and not estimated, providing Young's moduli without error.

The MV2000 works with the Nanonics NanoToolKit™ of probes that cover the full spectrum of functional applications in SPM without obstructing the electron or optical axis from above or below:

- Electrical
- Thermal
- Near-field Optical (NSOM)
- Nanochemical Drawing
- Scanning Electrochemical

Whatever your needs are the MV2000 is your scanning probe microscope of choice.

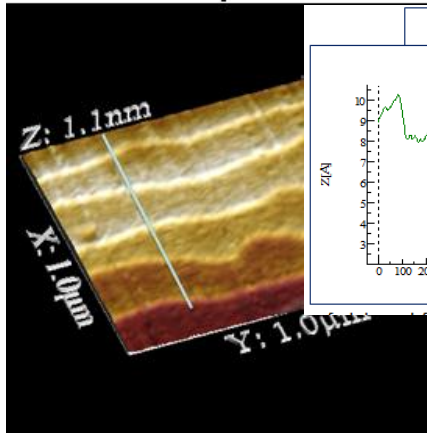


Collage of Topography & Current Imaging of a Nickel Capacitor with 0V Bias.

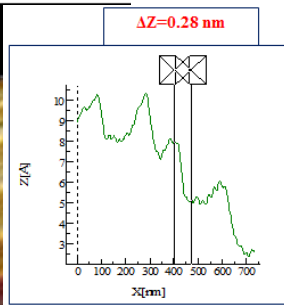
Full Integration with Spectroscopy Including On-line Raman Chemical Characterization & Tip Enhanced Raman Scattering (TERS) Pioneered by Nanonics

Light, as in Laser Feedback, Produces a Photocurrent Artifact which is not seen In Tuning Fork Feedback

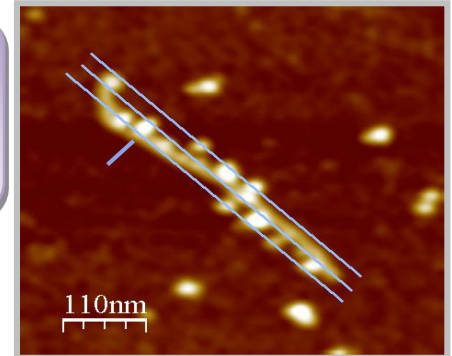
UltraLow Noise In X, Y And Z



Strontium Titanate
Atomic Steps

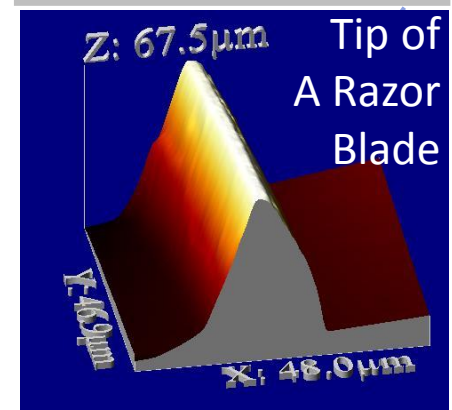
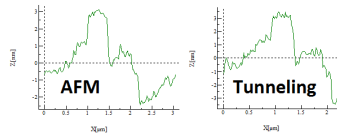


Q Dot
Decorated
DNA



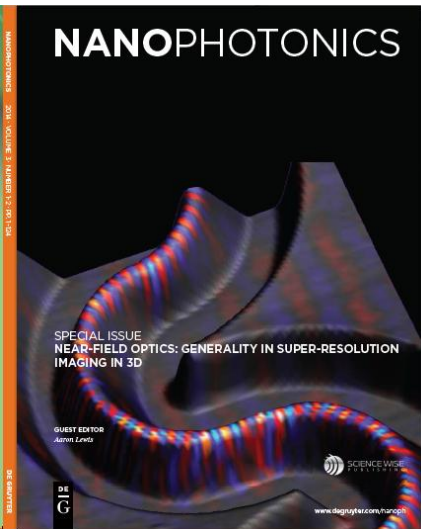
No Jump To Contact
AFM Switch On-line
Between AFM &
Tunneling Feedback

Single HOPG Atomic Step



Tip of
A Razor
Blade

NANOPHOTONICS

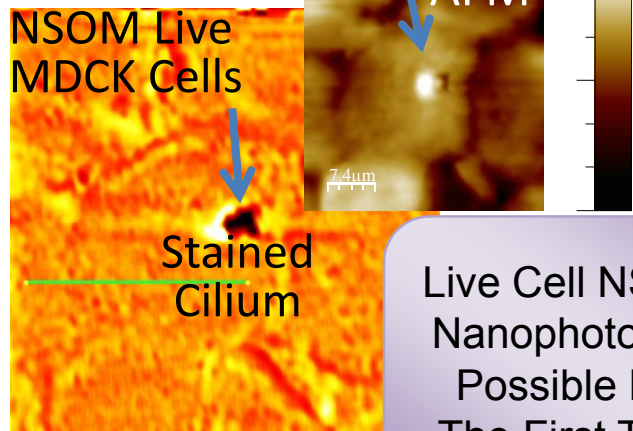


Mapping Phase &
Amplitude of
Propagating
1.5µm Wave In A
Silicon Waveguide

Unprecedented
170µm Z Range
For Studying
Real Samples

NanoPhotonics
System of Choice

NSOM Live
MDCK Cells

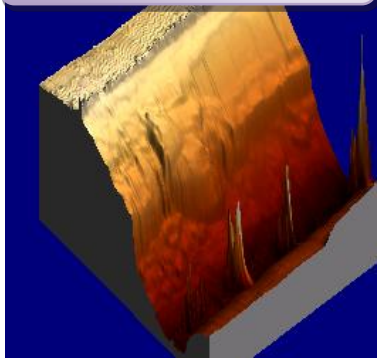


Stained
Cilium

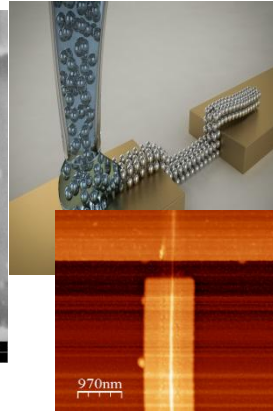
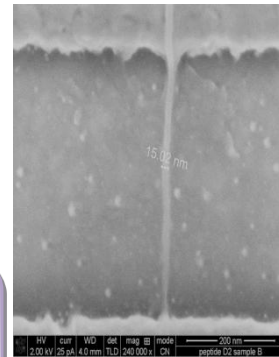
Live Cell NSOM
Nanophotonics
Possible For
The First Time

New SPM Applications Achievable With The MV 2000™

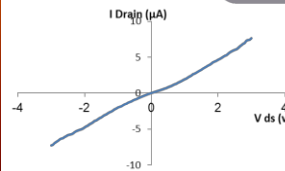
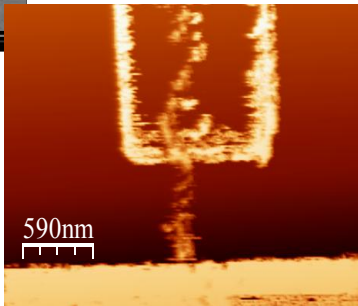
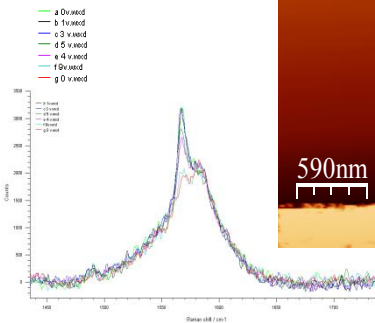
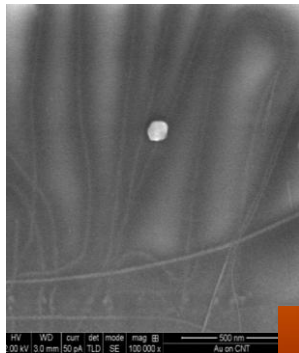
Side Wall Imaging



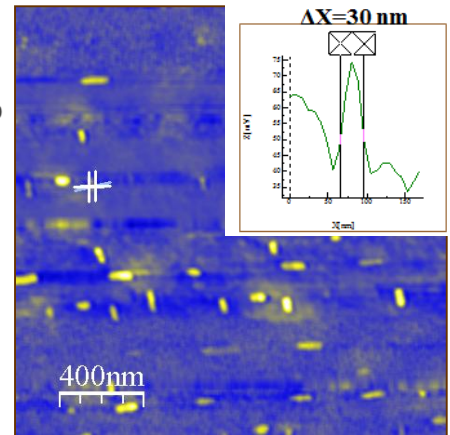
Writing Conducting Metallic Lines From Solution



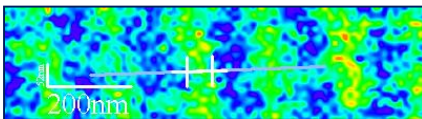
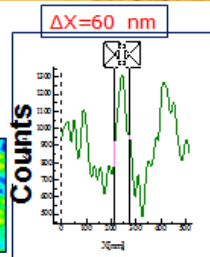
Single Nanoparticle NanoManipulated Onto A Single Carbon Nanotube



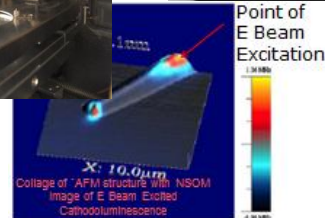
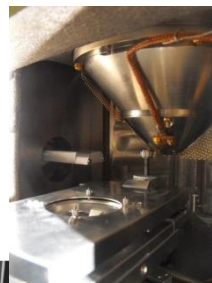
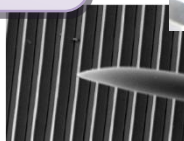
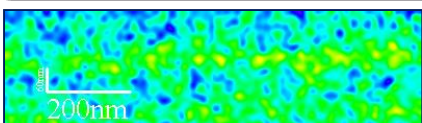
Thermal Conductivity Imaging of Voids In Silicon



On-line Raman As A Function of Current



512cm⁻¹ Strained Silicon 60 nm Grating TERS Map (Top) Far-Field Raman (Bottom)



Nanometric NSOM of Cathodoluminescence