

## CONTACT

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# Australo Ltd

## COMPANY PROFILE

Australo is a nanotechnology company focused on measurement, analysis and single particle control. Since commencement in early 2005, Australo has developed the science, hardware and software to fabricate and control dynamically resizable nanopores.

These are a practical and cost-effective means for the detection, characterization and control of nanoparticles down to the molecular scale. Australo's nanopores can be opened, closed and changed in size in real time. The platform encompassing this technology is called SIOS (Scanning Ion Occlusion Spectroscopy).

Australo also provides instrumentation and consumables for research uses. It is actively engaging in a number of worldwide research collaborations to develop new applications for the SIOS platform. Collaborations also target new scientific discoveries enabled by this new technology. In due course out-licensing options will be available. Products targeting more general markets are under development. The first beta release of these will be available in mid-2008.

## FOCUS FOR BIO 2008

Australo is a small company committed to developing strong relationships with its partners. It is willing to support those relationships with its instruments, and to assist its partners in increasing their knowledge and capabilities. Key focuses for Bio 2008 include:

- Dialogue with potential research collaborators in areas of mutual interest (virology, particle characterisation, molecular diagnostics)
- Extension of markets for virus counter and (relative) particle sizer instruments
- Expansion of knowledge of other technologies and researchers operating within our area of interest



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## KEY TECHNOLOGIES

- SIOS is a nanotechnology platform for detecting, measuring and controlling nano-particles down to the molecular scale
- SIOS uses Australo's dynamically resizable nanopores that can be opened, closed and changed in size in real time
- Applications of the SIOS platform include:
  - Virus quantitation
  - Nanoparticle measurement (relative size, charge, geometry)
  - Immunodetection
  - Molecular diagnostics
  - Biomolecule analysis
  - Environmental monitoring
  - Single particle gating and control

