

## THE CENTRE FOR NANOSCALE SCIENCE AND TECHNOLOGY

**“The Tonsley precinct will provide enormous opportunities for NanoCentre members to engage with industry, enriching our research and enabling our researchers to apply nanotechnology to new products.”**

**- Professor David Lewis, Director**

### WHO

The Centre for Nanoscale Science and Technology (Nano) applies world-class research and know-how to find novel and robust solutions to challenges facing Australia in areas such as water, energy, health and security.

### WHAT

A research focused centre, we work on a variety of socially beneficial developments including new methods for harnessing energy, DNA genotyping for cancer diagnostics, environmentally-friendly corrosion and fingerprinting using quantum dots.



Centre for NanoScale  
Science & Technology



## WHY

Our expansion to Tonsley further facilitates the success of NanoConnect, a collaborative research program managed by Flinders University with support from the Department of State Development.

NanoConnect grants local companies access to analytical equipment and a vast knowledge base. Students will have the opportunity to work with scientists and explore their ideas under expert guidance.

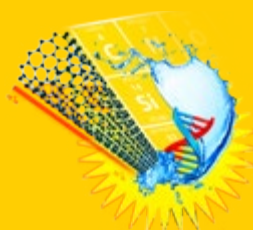
Although nanotechnology may be applied to develop new high-tech products, it can also be applied to improve performance of a range of other products, such as batteries, bio-sensors, chemical sensors, clean technologies, electronics, solar cells and for water purification.

## FAST FACTS

- Nano consists of 10 research leaders working together to increase the visibility, scope and impact of research in Nanotechnology.
- The Centre has more than 100 researchers from Postdoctoral fellows to Honours students.
- Nano has an outstanding record of 60 patent families and more than 100 publications per year.
- Nano works collaboratively with one of the world's leading nanotechnology research centre, the National Institute for Materials Science (NIMS) in Japan.
- Nanotechnology at Flinders University was awarded an ERA ranking of 5, describing the research as "well above world standard"
- The NanoConnect program implements the latest nanotechnologies into industry.



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