



Centre for
**Nanoscale
BioPhotonics**
ARC CENTRE OF EXCELLENCE

MEDIA RELEASE

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Fluorescence expert honoured with ATSE Fellowship

Fluorescence expert Ewa Goldys, Professor at Macquarie University and Deputy Director at the ARC Centre of Excellence for Nanoscale BioPhotonics (CNBP) has just been named as a Fellow of the Australian Academy of Technological Sciences and Engineering (ATSE).

The Fellowship recognises Professor Goldys' pioneering research in non-invasive medical diagnostics, and her work associated with fluorescence, advanced materials and biomedicine, supporting clinicians in making improved diagnosis and health decisions for patients.

"It's a great pleasure to be recognised with this Fellowship", says Professor Goldys.

"The ATSE is a respected Australian body which provides informed and visionary views to decision-makers across a wide range of technology focused areas. I look forward to providing my input and advice as a member of this prestigious organisation."

As a world leader in the study of cellular fluorescence, Professor Goldys is also a former Eureka Prize winner for her innovative use of technology. This prize was awarded for her work in developing revolutionary imaging techniques, allowing for the extraction of biomolecular information hidden in fluorescent colour signatures of living cells and tissues.

"Modern day microscopes and powerful computer analysis enables colour to be used as a uniquely powerful diagnostic tool in medicine," she says.

"Exploring the subtle colour differentiations of cells and tissue lets us distinguish between healthy and diseased cells in areas as diverse as embryology, neurodegeneration, cancer and diabetes."

As an ATSE Fellow, Professor Goldys will provide expertise across biomedical, nanotechnology and biophotonics areas. She will also be able to tap into the knowledge and capability of her research and industry collaborators.

"Australia needs to harness technology and innovation as part of its successful transition to a knowledge based economy," says Professor Goldys. "This is what the ATSE mandate is all about."

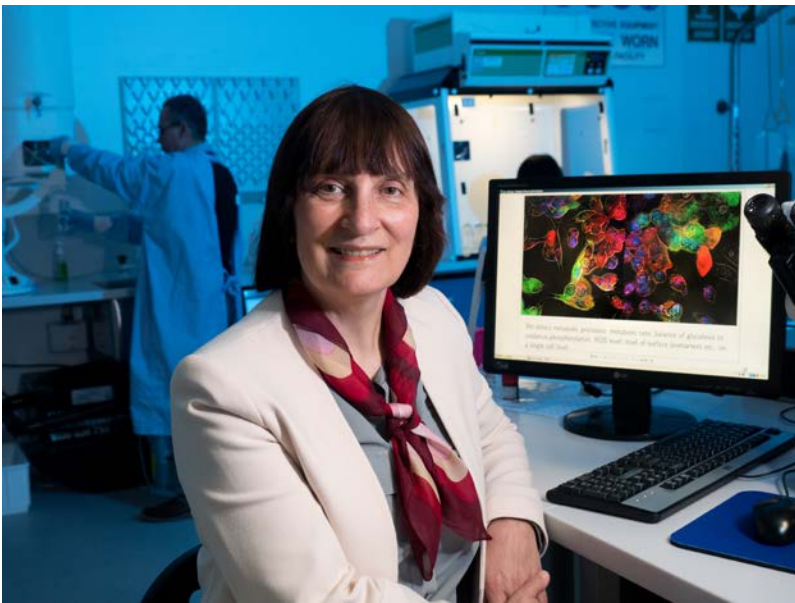
Recognising Australia's leading minds in technology, science and engineering, the prestigious ATSE Fellowships are awarded to people who apply technology in smart, strategic ways for social, environmental and economic benefit.

Fellows advise government, industry and the community on how technology can improve the quality of life of all Australians and are drawn from academia, government, industry and research sectors.

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MEDIA OPPORTUNITY

Prof Ewa Goldys is available for interview to discuss her pioneering work in non-invasive medical diagnostics—and how her hi-tech fluorescent colour focused research is opening up entirely new windows into the body.



IMAGES:

CNBP Deputy Director (Image 1), Prof. Ewa Goldys <https://flic.kr/p/YDKJb9>

CNBP Deputy Director (Image 2), Prof. Ewa Goldys <https://flic.kr/p/F7XrPh>

ABOUT:

The Centre for Nanoscale BioPhotonics (CNBP) is an Australian Research Council Centre of Excellence, with research focused nodes at the University of Adelaide, Macquarie University and RMIT University. A \$40m initiative, the CNBP is focused on developing new light-based imaging and sensing tools, that can measure the inner workings of cells, in the living body. <http://cnbp.org.au/>

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