

V Twinning Teachers and Scientist Programme

www.sciencetwinning.org.au

Champion

Professor Richard Head, Director of CSIRO's Preventative Health (P-Health) National Flagship and Affiliate Professor in the Department of Clinical and Experimental Pharmacology at the University of Adelaide

This project uses new technologies to put teachers and scientists in touch with each other in informal and productive ways. A website developed by the Australian Science and Mathematics School provides the basis for the continuing development of an online environment that connects teachers with research scientists.

Opportunities for national and international relationships, and continuing education opportunities for teachers arise from these collaborations.

VI Women in Science, Engineering and Technology

Champion

Professor Caroline McMillen, Pro VC, Research, University of South Australia

This initiative involves working with the South Australian government to address the recommendations made in the report Participation and Advancement of Women in Science, Engineering and Technology in South Australia, July 2005 and incorporate them into STI10 policy and infrastructure development.

The advancement of women in science is to the advantage of all people.

VII Health and Community Services

Champion

Monsignor David Cappo, Chair, Social Inclusion Board

The development of a number of initiatives with state government linking neurosciences with health and community service providers to address in particular issues of mental health and both the developing and the ageing brain.

Social inclusion strategies are a priority in linking 21st century research opportunities with the well-being of all of society.

IIX Continuing Training for Teachers

Champion

Hon Jane Lomax-Smith, Minister Education and Children's Services, Minister for Tourism

This year 2006 will see the delivery of the first Graduate Certificate in Neuroscience (Learning) for teachers in collaboration with the Three Universities. The Graduate Certificate in Neuroscience offers unique opportunities for South Australian teachers to act as exemplars to the profession in showing how it can integrate with the wider scientific research community. It is the first ever such initiative, not just in Australia but in the world.

This is just the start of greater ongoing collaborations between university sector research and continued training opportunities for South Australian teachers, in particular through linking neuroscientists and educators.

IX Australian Science and Media Centre (AusSMC)

www.aussmc.org.au

Champion

Mr Peter Yates, Managing Director, Allco Equity Partners Limited

A fully functional and financially viable national Centre, based on the Science Media Centre (SMC) in the UK, was established in Adelaide, South Australia at the end of 2005. The role of the Centre is to respond proactively and reactively when a major science news story hits the headlines. It keeps a database of Australian scientific experts who are media savvy and prepared to give interviews directly to the media in the timeframe required.

In addition, AusSMC acts as the facilitator between journalists and scientists in providing stronger, proactive connections between the cultures of science and the media.

X Science Infrastructure and Research

Champion

Professor Max Brennan, Chief Scientist, South Australia

The building of a stronger support base for science research in South Australia, through improved liaison with the Premier, better relationships within the tertiary sector, the support of leading edge research clusters and the improvement of investment uptake and opportunities is essential.

These activities can be incorporated as models of collaborative practice and components of the new Florey Precinct.

Within the Department of Premier and Cabinet a new position to manage the initiatives has been created as the lead agency to drive the implementation of these ideas across the whole of government and to maximize their potential and impact. Linda Cooper will fill this role as Project Director, Bragg Initiative, Department Premier and Cabinet.

For further information regarding the report by Baroness Professor Susan Greenfield, please contact Linda Cooper on phone: 08 82262533 or cooper.linda@saugov.sa.gov.au or lindac@aussmc.org.au

Getting to the Future First

ADELAIDE
thinkers
in residence

Susan Greenfield
Thinker in Residence
June-August 2004; June-August 2005

Getting to the Future First

Susan Greenfield



Adelaide Thinker in Residence June - August 2004; July - August 2005

My residency was an exploration of ways in which science can escape from the ivory tower agenda of university research and be seen to add value to sectors with which science and scientists are not normally associated.

As Head of the Royal Institution of Great Britain, Chair of the World Science Assembly, Director of the Oxford Centre for the Science of the Mind, Director of the James Martin 21st Century School's Institute for the Future of the Mind, member of the House of Lords, scientist, entrepreneur, passionate communicator of science, and author, I am well-placed to link South Australia with these organisations and to encourage the benefits of social, intellectual and business clustering leading to productive collaborations between existing institutions and organisations.

Science communication is at the heart of the democratisation of knowledge necessary for human society to achieve sustainability in a changing world.

By attracting scientists to South Australia and by retaining the brightest and best who are already here, not only will South Australia perpetuate its image of being an intellectual hub for the rest of the country but be seen to be part of a far-sighted global vanguard embracing the advantages of the science and technology industries for the increased prosperity of all its citizens.

Ten Recommendations to enhance the quality of life in South Australia

Initiatives

- I Bragg Initiative
- II Oxford Centre for Science of the Mind
- III James Martin 21st Century School
- IV Science Outside the Square
- V Twinning Scientists & Teacher Program
- VI Women in Science, Engineering and Technology
- VII Health and Community Services
- VIII Continuing Training for Teachers
- IX Australian Science Media Centre
- X Science Infrastructure and Research

In some cases I have initiated activities, in other cases I have been able to facilitate and support existing or emerging trends towards collaboration and exchange in particular in my major scientific field – the human brain and all its social, educational and intellectual ramifications.

The Champions are exceptional individuals who have undertaken to support and facilitate these recommendations.

I Bragg Initiative

Champion

Mr Robert Champion de Crespigny,
Chair, Economic Development Board

The Bragg Initiative is a multi-layered collaboration between the Royal Institution (Ri), UK and Adelaide involving sharing and advancing scientific and historic research, lecture programs, public education, exhibitions, resources, projects, communication, global peace, health and well-being activities.

The notion of Adelaide as the Ri Down Under means that resources and advances in knowledge can place South Australia on a world stage as well as reinforcing the contribution it has to play through exchanges and global interactions. This will provide opportunities for South Australian scientists to contribute their skills, knowledge and energies to these developing international activities.

All South Australians will benefit by learning more about science and by being empowered to think about it and contribute to it.

II Oxford Centre for the Science of the Mind (OXCSOM)

www.oxcsom.ox.ac.uk

Champion

Professor Marcello Costa, Chair,
South Australian Neuroscience Institute (SANI)

OXCSOM is constituted from research in six departments of Oxford University: Anatomy, Pharmacology, Philosophy, Physiology, Theology and the Uehiro Centre for Practical Ethics. Using imaging technology we study the activity of the brain under different conditions to assess how belief systems – whether religious, spiritual or other – are formed and how they influence an individual's momentary subjective state of consciousness.

SANI will explore collaborations in research with the Oxford Centre for the Science of the Mind which will benefit all South Australians.

III James Martin 21st Century School

www.21school.ox.ac.uk

Champion

The Hon Mike Rann,
Premier of South Australia

There are exciting opportunities for South Australia to become an international partner in the James Martin 21st Century School based in Oxford. South Australia could become a pilot study community. Particular links are planned with the Institute for the Future of the Mind.

The Department of Education and Children's Services will take leadership in identifying the new desiderata for 21st century education through the exploration, identification and building of mutually beneficial links between education and science to generate new learning and action across the disciplines.

IV Science Outside the Square

www.science.sa.gov.au

Champion

Melvin Mansell, Editor, *The Advertiser*

A highly successful pilot program of forums embracing science in relation to sport, art, education, and other issues important in people's lives were held in an unusual and wide range of venues in 2005.

The Science Outside The Square program of events in 2006 and beyond will continue to strengthen relationships with the community and scientists locally and by brokering national and international connections.

