



## Faculty of Science News Bulletin for Research Staff

**Bulletin 04/2006**

(1 March 2006)

[www.sci.monash.edu.au/research/bulletin/](http://www.sci.monash.edu.au/research/bulletin/)

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### Items for inclusion in this bulletin

Please forward any items to Matt Randall ([Manager.Research@sci.monash.edu.au](mailto:Manager.Research@sci.monash.edu.au)).

Requests should include full information on application / nomination procedures, dates and deadlines, and contact details or web links to further information.

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## **PART A - NEWS**

### **1. Research Office - News and Events**

The Research Office maintains a page of news and events of interest to researchers at [www.monash.edu.au/research/contacts/research-office/news-events.html](http://www.monash.edu.au/research/contacts/research-office/news-events.html).

## **PART B - EVENTS**

### **2. Forum for European - Australian Science and Technology Co-operation (FEAST): Research Collaboration With Europe**

This seminar will focus on recent developments in the European research environment, including:

- the forthcoming 7th Framework Programme (2007-2013), a very large collaborative research initiative that builds on the current pan-European programmes;
- COST, a major European project in collaborative research; and
- Marie Curie Fellowships

This seminar comes at a time when the leading European teams are forming and planning new projects for the 7th Framework Programme. Australian groups need to be working now to ensure their participation. There will be opportunities to interact with Ms Michaela Bauer, the Senior Science and Research Officer in the Australian Mission to the European Union (EU) in Brussels, and possibly officials from the Department of Education, Science and Training (DEST).

Researchers from all Melbourne-based research organisations are welcome!

***Date***

Wednesday, 8 March 2006 from 3:15 – 4:45 pm

***Venue***

The Trikojus Theatre, Biochemistry Building, The University of Melbourne

***Registration***

Email [info@feast.org](mailto:info@feast.org)

### **3. GAMS training sessions for applicants for ARC Linkage – Projects 2007**

The Research Office is offering GAMS training sessions for applicants for ARC Linkage – Projects 2007 (see items 7 and 13 of this Bulletin) as follows:

***Dates***

- Wednesday, 15 March 2006 from 2:30 – 3:30 pm
- Friday, 24 March 2006 from 2:30 – 3:30 pm
- Monday, 27 March 2006 from 2:30 – 3:30 pm
- Tuesday, 28 March 2006 from 10:30 – 11:30 am

**Venue**

Studio 7, Short Course Centre, Clayton campus

**Registration**

Please email Mrs Coral Lindupp ([Coral.Lindupp@adm.monash.edu.au](mailto:Coral.Lindupp@adm.monash.edu.au)) as there are limited spaces available in each session.

**4. Commercialisation Expo 2006**

Commercialisation Expo 2006 will showcase Australia's research and development capabilities and commercialisation opportunities. It builds on the success of the inaugural event in March 2003, after which exhibited technologies attracted almost \$40 million in investment. It will feature:

- Expo Marketplace that showcases outstanding partnering, commercial and investment opportunities;
- **Peter Doherty Prize for Innovation worth \$100,000 plus other category prizes;**
- Commercialisation Conference presenting the views of renowned specialists in the field;
- Book of Ideas containing details of all new opportunities presented at the event; and
- Careers in Innovation Seminar.

**Dates**

Sunday, 18 June 2006 – Tuesday, 20 June 2006

**Venue**

Melbourne Exhibition and Convention Centre

**Further information**

[www.expo2006.com.au/](http://www.expo2006.com.au/)

**5. Research Office events, seminars and information sessions**

The Research Office maintains a page of upcoming events for researchers at <http://monash.edu.au/research/contacts/research-office/news-events/index.html>

**PART C - FUNDING OPPORTUNITIES****6. Australia to USA Fellowships for 2006**

The American Australian Association seeks applications for its 2006 Australia to USA Fellowship Program. The Association's Australia to USA Fellowship program awards several awards with individual values of up to US\$25,000.

The fellowships are to be awarded to outstanding Australians doing advanced (graduate and postdoctoral) research or study in the United States in the following fields:

- business
- science
- technology
- medicine
- engineering

***Deadline for application***

Wednesday, 15 March 2006 with the American Australian Association

***Application form and further information***

[www.americanaustralian.org/Educational/](http://www.americanaustralian.org/Educational/)

**7. ARC Linkage – Projects: Round 1/2006** (for funding commencing in January 2007)

The objectives of the ARC Linkage Projects are to:

- encourage and develop long-term strategic research alliances between higher education institutions and industry in order to apply advanced knowledge to problems, or to provide opportunities to obtain national economic or social benefits;
- support collaborative research on issues of benefit to regional and rural communities;
- enhance the scale and focus of research in Designated National Research Priorities;
- foster opportunities for postdoctoral researchers to pursue internationally competitive research in collaboration with industry, targeting those who have demonstrated a clear commitment to high quality research;
- provide industry-oriented research training to prepare high-calibre postgraduate research students; and
- produce a national pool of world-class researchers to meet the needs of Australian industry.

The Designated National Research Priorities and associated Priority Goals are:

- An Environmentally Sustainable Australia;
- Promoting and Maintaining Good Health;
- Frontier Technologies for Building and Transforming Australian Industries; and
- Safeguarding Australia.

***Upcoming deadlines***

Please note the following deadlines:

- Deadline for requests for eligibility exemptions  
**Friday, 17 March 2006**
- Deadline for draft Applications to be submitted for review and comment by the Research Office  
**Monday, 10 April 2006**
- Deadline for the complete application to be submitted to the Research Office  
**Wednesday, 19 April 2006**

***Further information***

[www.monash.edu.au/research/academics/funding/information/arc/arc-linkageprojects-round1.html](http://www.monash.edu.au/research/academics/funding/information/arc/arc-linkageprojects-round1.html)

## 8. Human Frontier Science Program (HFSP)

The Human Frontier Science Program (HFSP) supports basic research with emphasis placed on novel, innovative and interdisciplinary approaches to fundamental investigations in the life sciences, which involve scientific exchanges across national boundaries. Applications are invited for grants to support projects on the theme of complex mechanisms of living organisms.

The HFSP research grant program places strong emphasis on the involvement of other disciplines such as chemistry, physics, mathematics, computer science and engineering in projects within the general areas of neuroscience and molecular approaches to biological functions. Research grants provide three years of support for basic research carried out jointly by research teams, normally two to four members in different countries. Two types of grants are available:

- **Young Investigators' Grants:** for teams of scientists who are all within five years of establishing an independent laboratory and within 10 years of obtaining their PhD. Successful teams will receive up to US\$450,000 per year for the whole team depending on the size of the team - \$250,000 for a team of two, \$350,000 for a team of three, and \$450,000 for a team of four or more; and
- **Program Grants:** may be applied for by independent scientists at all stages of their careers, although the participation of younger scientists is especially encouraged. Program grants provide up to \$450,000 per year for the whole team.

### ***Deadline for pre-registration***

Monday, 20 March 2006 with HFSP

### ***Further information***

[www.monash.edu.au/research/academics/funding/information/other/hfsp-grants.html](http://www.monash.edu.au/research/academics/funding/information/other/hfsp-grants.html)

## 9. Australian Institute of Nuclear Science and Engineering (AINSE): Neutron Scattering 2nd Round

The Institute has a second round for Neutron Scattering facilities at ANSTO to be awarded for 2006 for neutron scattering experiments to be carried out between 1 July 2006 and 31 December 2006. Applications are invited from university researchers in the fields, or applications, of nuclear science and associated technology. A research project of interest to the Institute will usually require some use of the national facilities at the Lucas Heights Research Laboratories.

### ***Funding amount***

The average size of an AINSE Award is approximately \$7,000, and usually provided in the form of credits against which payments are made by AINSE to cover the cost of equipment and / or materials, the costs associated with the use of the AINSE listed facilities, and / or contribution towards the cost of travel and / or accommodation, when the university researcher lives in a city different from that in which the facility is located.

### ***Deadline for applications***

Monday, 3 April 2006 with the Research Office

### ***Further information***

<http://monash.edu.au/research/academics/funding/information/acgr/ainse-neutron-grants.html>

## **10. Commonwealth Scientific and Industrial Research Organisation (CSIRO) Flagship Visiting Fellowships**

Flagship Visiting Fellowships are available for distinguished researchers to work for a period of time (generally up to six months) in a Flagship to enhance the intellectual leadership of a Flagship or a major component of a Flagship (for example, a Theme). It is expected that up to 10 Fellowships will be offered per semester.

### ***Benefits***

The Fellowships are valued at a maximum of \$100,000 and allow Australian based researchers to be seconded from their home organisation to enable them to undertake an agreed project under Flagships. The Fellowship may be used to fund a living allowance during the term of their Fellowship as well as economy class international air travel and minor operating costs.

### ***Deadline for applications***

Monday, 1 May 2006 with the Research Office

### ***Further information***

[www.monash.edu.au/research/academics/funding/information/other/csiro-flagship-visiting-fellowships.html](http://www.monash.edu.au/research/academics/funding/information/other/csiro-flagship-visiting-fellowships.html)

## **11. Monash University and CSIRO Collaborative Research Support Scheme**

Monash University and the Commonwealth Scientific and Industrial Research Organisation (CSIRO) have announce Round 3 of the Collaborative Research Support Scheme (CRSS) which is jointly funded by the two organisations.

### ***Benefits***

The scheme provides seed funding only, not full project support. It is expected that up to six awards of up to \$50,000 per annum will be made in 2006.

### ***Eligibility criteria***

- The research project must form part of a recognised or developing research collaboration between Monash University and CSIRO, building on synergies from co-location on the Clayton campus;
- Preference will be given to applications where at least one of the Principal Investigators from either Monash University or CSIRO has less than 10 years postdoctoral research experience;
- The relevance of the proposed research project to the organisations' jointly identified priority areas (currently health, manufacturing, water and energy); and
- multidisciplinary applications are encouraged.

### ***Deadline for applications***

Monday, 8 May 2006 with the Research Office

### ***Further information***

[www.monash.edu.au/research/academics/funding/information/monash/monash-csiro.html](http://www.monash.edu.au/research/academics/funding/information/monash/monash-csiro.html)

## 12. Commercialisation Expo 2006

Commercialisation Expo 2006 will showcase Australia's research and development capabilities and commercialisation opportunities. It builds on the success of the inaugural event in March 2003, after which exhibited technologies attracted almost \$40 million in investment. It will feature:

- Expo Marketplace that showcases outstanding partnering, commercial and investment opportunities;
- **Peter Doherty Prize for Innovation worth \$100,000 plus other category prizes;**
- Commercialisation Conference presenting the views of renowned specialists in the field;
- Book of Ideas containing details of all new opportunities presented at the event; and
- Careers in Innovation Seminar.

### **Dates**

Sunday, 18 June 2006 – Tuesday, 20 June 2006

### **Venue**

Melbourne Exhibition and Convention Centre

### **Further information**

[www.expo2006.com.au/](http://www.expo2006.com.au/)

## 13. ARC Linkage – Projects: Round 2/2006 (for funding commencing in July 2007)

The objectives of the ARC Linkage Projects are to:

- encourage and develop long-term strategic research alliances between higher education institutions and industry in order to apply advanced knowledge to problems, or to provide opportunities to obtain national economic or social benefits;
- support collaborative research on issues of benefit to regional and rural communities;
- enhance the scale and focus of research in Designated National Research Priorities;
- foster opportunities for postdoctoral researchers to pursue internationally competitive research in collaboration with industry, targeting those who have demonstrated a clear commitment to high quality research;
- provide industry-oriented research training to prepare high-calibre postgraduate research students; and
- produce a national pool of world-class researchers to meet the needs of Australian industry.

The Designated National Research Priorities and associated Priority Goals are:

- An Environmentally Sustainable Australia;
- Promoting and Maintaining Good Health;
- Frontier Technologies for Building and Transforming Australian Industries; and
- Safeguarding Australia.

### **Upcoming deadlines**

Please note the following deadlines:

- Deadline for requests for eligibility exemptions  
**Friday, 6 October 2006**

- Deadline for draft Applications to be submitted for review and comment by the Research Office  
**Monday, 6 November 2006**
- Deadline for the complete application to be submitted to the Research Office  
**Monday, 13 November 2006**

***Further information***

[www.monash.edu.au/research/academics/funding/information/arc/arc-linkageprojects.html](http://www.monash.edu.au/research/academics/funding/information/arc/arc-linkageprojects.html)

## **PART D - AWARDS AND PRIZES**

### **14. 2005 Monash Industry Engagement Awards**

To affirm the university's commitment to commercialisation and the application of research to industry and the community, awards are to be made annually to mark exceptional performance of individuals and teams. The inaugural awards, for activities undertaken in 2005, are to be presented by the Vice-Chancellor on Friday, 12 May 2006.

The inaugural awards, for activities undertaken in 2005, will apply to three categories:

#### **Category A**

Patents which are first granted outside Australia, in countries that provide a major commercial market such as USA and Europe, and for which there is an associated commercial transaction of significance.

Award: \$10,000 cheque + certificate

#### **Category B**

The top three technology transfer transactions.

Award for 1<sup>st</sup> place: \$10,000 cheque + certificate

Award for 2<sup>nd</sup> place: \$5,000 cheque + certificate

Award for 3<sup>rd</sup> place: \$2,500 cheque + certificate

#### **Category C**

A team award for excellence in industry and community engagement via contract research.

Award: \$10,000 cheque + certificate

People wishing to enter Category C may nominate themselves and / or their peers. Teams of researchers or individuals who provided excellent service to industry and / or the community in 2005, through their contract research projects, are eligible for this award.

#### ***Deadline for nominations***

Wednesday, 15 March 2006 with Ms Gael Andrews, Monash Commercial

#### ***Further information***

[www.monashcommercial.com/news/monash-industry-engagement-awards.html](http://www.monashcommercial.com/news/monash-industry-engagement-awards.html)

## **15. Victoria Prize 2006**

The Victoria Prize of \$50,000 was established in 1998 and is awarded annually by the Victorian Government for a scientific discovery or technological innovation, or a series of such achievements that significantly advances knowledge and has produced, or has the clear potential to produce, a commercial outcome or other benefit to the community. It celebrates leadership, determination and creativity and highlights the many ways in which research and development of international significance is conducted locally.

### ***Anne & Eric Smorgon Memorial Award***

In association with the Victoria Prize, the Jack & Robert Smorgon Families Foundation award the Anne & Eric Smorgon Memorial Award. This award acknowledges the important contribution made by scientific research institutes in Victoria. The \$100,000 award will be presented to an institute supporting the Victoria Prize recipient in the research work for which he or she is awarded the Victoria Prize.

A separate nomination is not required for the Anne & Eric Smorgon Memorial Award. The winner of the Victoria Prize will be asked to nominate a research institute to receive the Anne & Eric Smorgon Memorial Award (further information is outlined below).

It is anticipated that the winner of the 2006 Victoria Prize and the Anne & Eric Smorgon Memorial Award will be notified in June prior to a public announcement in August 2006.

### ***Deadline for nominations***

Monday, 3 April 2006 with the Research Office

### ***Further information***

[www.business.vic.gov.au/BUSVIC.655768/STANDARD//PC\\_60155.html](http://www.business.vic.gov.au/BUSVIC.655768/STANDARD//PC_60155.html)

## **16. Victoria Fellowships**

Each year the Victorian Government awards up to six \$18,000 Victoria Fellowships to enable early career researchers and innovators to travel overseas to pursue specialist training, develop a commercial idea, expand international networks or gain recognition for their work.

Winners of the Victoria Fellowships will be eligible to apply for \$5000 AFAS FEAST-France Fellowships to undertake study missions to France. These Fellowships are offered by the Australian French Association for Science and Technology (Victoria) and the Embassy of France.

### ***Deadline for nominations***

Monday, 3 April 2006 with the Research Office

### ***Further information***

[www.business.vic.gov.au/vicfellows](http://www.business.vic.gov.au/vicfellows)

## **17. 2006 Prime Minister's Prizes for Science**

Nominations are being sought for the following five prestigious awards:

- Prime Minister's Prize for Science (\$300,000)
- Science Minister's Prize for Life Scientist of the Year (\$50,000)
- Malcolm McIntosh Prize for Physical Scientist of the Year (\$50,000)
- Prime Minister's Prize for Excellence in Science Teaching in Primary Schools (\$50,000)
- Prime Minister's Prize for Excellence in Science Teaching in Secondary Schools (\$50,000)

### ***Deadline for nominations***

Friday, 19 May 2006 with the Department of Education, Science and Training (DEST)

### ***Further information***

<https://sciencegrants.dest.gov.au/scienceprize/pages/home.aspx>

## **PART E – DATES AND DEADLINES**

### **March 2006**

#### **Wednesday, 8 March 2006**

- Forum for European - Australian Science and Technology Co-operation (FEAST): Research Collaboration With Europe [item 2]

#### **Wednesday, 15 March 2006**

- Deadline for applications for Australia to USA Fellowships for 2006 [item 6]
- Deadline for nominations for 2005 Monash Industry Engagement Awards [item 14]

#### **Friday, 17 March 2006**

- Deadline for requests for eligibility exemptions for ARC Linkage – Projects: Round 1/2006 [see item 7]

#### **Monday, 20 March 2006**

- Deadline for pre-registration with Human Frontier Science Program (HFSP) [item 8]

### **April 2006**

#### **Monday, 3 April 2006**

- Deadline for applications for Australian Institute of Nuclear Science and Engineering (AINSE): Neutron Scattering 2nd Round [item 9]
- Deadline for nominations for the Victoria Prize 2006 [item 15]
- Deadline for nominations for Victorian Fellowships [item 16]

#### **Monday, April 10 2006**

- Deadline for draft Applications to be submitted for review and comment by the Research Office for ARC Linkage – Projects: Round 1/2006 [see item 7]

#### **Wednesday, 19 April 2006**

- Deadline for complete applications for ARC Linkage – Projects: Round 1/2006 to be submitted to the Research Office [item 7]

### **May 2006**

#### **Monday, 1 May 2006**

- Deadline for applications for Commonwealth Scientific and Industrial Research Organisation (CSIRO) Flagship Visiting Fellowships [item 10]

#### **Monday, 8 May 2006**

- Deadline for applications for Monash University and CSIRO Collaborative Research Support Scheme [item 11]

#### **Friday, 19 May 2006**

- Deadline for nominations for the 2006 Prime Minister's Prizes for Science [item 17]

## **June 2006**

**Sunday, 18 June 2006 – Tuesday, 20 June 2006**

- Commercialisation Expo 2006 [items 4 and 12]

## **July 2006**

*(No entries)*

## **August 2006**

*(No entries)*

## **September 2006**

*(No entries)*

## **October 2006**

**Friday, 6 October 2006**

- Deadline for requests for eligibility exemptions for ARC Linkage – Projects: Round 2/2006 [item 13]

## **November 2006**

**Monday, 6 November 2006**

- Deadline for draft Applications to be submitted for review and comment by the Research Office for ARC Linkage – Projects: Round 2/2006 [see item 13]

**Monday, 13 November 2006**

- Deadline for complete applications for ARC Linkage – Projects: Round 2/2006 to be submitted to the Research Office [item 13]

## **December 2006**

*(No entries)*