



## Faculty of Science News Bulletin for Research Staff

**Bulletin 11/2005**

(1 June 2005)

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

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### Items for inclusion in this bulletin

Please forward any items to Matt Randall ([matt.randall@sci.monash.edu.au](mailto:matt.randall@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 - EVENTS**

### **1. Workshop on ‘Start-up companies ... but before you start ...’**

Learn about what to consider before starting a company, including gaining a greater appreciation of your technology, product or service; why market information is so important; when and why to consider a joint venture; and who to speak with to gain further information.

#### ***Date and time***

Tuesday, 7 June 2005 from 4:00 – 5:30 pm (followed by networking and drinks)

#### ***Speakers***

- Dr Michael Panaccio - Investment Principal, Starfish Ventures
- Mr David Campbell - Commercial Manager, Monash Commercial / Monash Institutes for Medical Research
- Dr Elane Zelcer - Executive Director, Monash STRIP

#### ***Venue***

STRIP Meeting Room G19, Building 75, Clayton campus

#### ***Reservation***

[MonashSTRIP@adm.monash.edu.au](mailto:MonashSTRIP@adm.monash.edu.au)

### **2. Monash Research Graduate School (MRGS) 2nd Semester Forum**

Professor Max King, Pro Vice-Chancellor (Research) and Director of the Monash Research Graduate School (MRGS), will provide an update on research training issues that have arisen in the last six months, including:

- Proposed master classes for research supervision training
- Research Training Scheme (RTS) internal allocation
- Research Quality Framework (RQF)
- Preparation for Australian Universities Quality Agency (AUQA) audit

#### ***Date and time***

Monday, 20 June 2005 from 12:00 – 2:00 pm (buffet finger food luncheon at 1:30 pm)

#### ***Venue***

Lecture theatre E7, Building 72, Faculty of Engineering, Clayton campus

#### ***RSVP***

[Anna.Hussar@adm.monash.edu.au](mailto:Anna.Hussar@adm.monash.edu.au) by Friday, 10 June 2005

### **3. Australian Academy of Sciences workshop: “Reconstructing past climates for future prediction: integrating high-resolution palaeo data for meaningful prediction in the Australasian region”**

The Academy’s National Committee for Earth System Science is organising this two-day workshop that will bring together climatologists (palaeo and contemporary) and modellers working on a variety of different palaeoclimatic and historical datasets spanning the last 60,000 years to discuss their results within the context of past and future change in the region. The workshop will allow the presentation of the latest different palaeoclimatic datasets of relevance to the Australia and New Zealand region (from the ice, marine and terrestrial realms) and place the results in a global context. The workshop will provide an opportunity for the scientific community to discuss ways in which this data can be used more effectively to help us understand climate mechanisms for predicting future climate change and its variability on the millennial, centennial, decadal and annual timescales.

#### ***Date and time***

Monday, 27 June 2005 – Tuesday, 28 June 2005

#### ***Venue***

Shine Dome, Canberra

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

[www.uow.edu.au/conferences/canberra/](http://www.uow.edu.au/conferences/canberra/)

### **4. The Sir Mark Oliphant International Frontiers of Science and Technology Conference Series: “Thresholds and Pattern Dynamics”**

Sustainable management of land and water in Australia is important to secure the well-being of future generations. Unfortunately, land and water use decisions are often made on the basis of sparse data or are hindered by the unobservable nature of governing hydrological processes. To compensate for these short-comings, models of great complexity with large numbers of state variables and parameters are often employed to predict effects of land use and climate change. The disparity between available data and model complexity causes great predictive uncertainty. This workshop will focus on novel approaches that will explicitly account for the unobservable nature of those hydrological processes for predicting the effects of climate and land use change.

#### ***Date and time***

Monday, 4 July 2005 – Thursday, 7 July 2005

#### ***Venue***

University of Western Australia

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

[www.oliphant.org.au/index.html](http://www.oliphant.org.au/index.html)

### **5. Research Office 'What's coming up?' web page**

The Research Office maintains a page of upcoming news and events for researchers at [www.monash.edu.au/resgrant/general/latestnews/index.html](http://www.monash.edu.au/resgrant/general/latestnews/index.html)

## **PART B - FUNDING OPPORTUNITIES**

### **6. New CSIRO Flagship Collaboration Fund**

The CSIRO has set up a new fund, under which \$97 million has been allocated to enhance and reinforce the development of collaborative partnerships in the areas of the CSIRO Flagships:

- Energy Transformed
- Food Futures
- Light Metals
- Preventative Health
- Water for a Healthy Country
- Wealth from Oceans

The main schemes are:

#### **1. Flagship Clusters**

Funding for a large scale of activity with an emphasis on people and partnerships working on a collection of projects relevant to a Flagship Program. Funding will be for up to three years at a minimum of \$1 million with expected co-investment by the university or partner organisations.

**Deadline for applications:** Thursday, 30 June 2005 with the CSIRO.

#### **2. Flagship Projects (minimum \$100,000)**

Funding for a specific research project which has outcomes and deliverables relevant to a Flagship objective. **Deadline for applications:** Friday, 10 June 2005 with the CSIRO.

#### **3. Flagship Visiting Fellowships**

For researchers to work for a period of time (generally up to six months) in CSIRO in areas directly relevant to a Flagship Program. **Deadline for applications:** any time.

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

[www.csiro.au/index.asp?type=blank&id=Flagships\\_Collaboration](http://www.csiro.au/index.asp?type=blank&id=Flagships_Collaboration)

### **7. Australian Academy of Science: International Scientific Collaborations Program - Scientific Visits to Europe, North America and North East Asia**

The Australian Academy of Science is inviting applications from professional scientists to visit Europe, North America (USA, Canada and Mexico), and North East Asia (China, Japan, Korea and Taiwan), between 1 July 2006 and 30 June 2007 to collaborate with researchers in those countries. Proposals in any field of natural science, basic and applied, including mathematics and engineering science, will be considered.

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

Thursday, 16 June 2005 with the Research Office

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

[www.monash.edu.au/resgrant/grantinfo/digest/awardfel/aasscivisits.html](http://www.monash.edu.au/resgrant/grantinfo/digest/awardfel/aasscivisits.html)

## 8. Land & Water Australia - 2006 and 2007 Innovation Call

Land & Water Australia is now calling for highly innovative R&D projects to address critical and emerging issues and opportunities for achieving the sustainable use and management of Australia's natural resources, including:

- Drawing out the most innovative ideas from the R&D community;
- Responding to new and emerging issues and opportunities;
- "Blue sky" and fundamental research;
- Lateral and out-of-the-box concepts; and
- Testing proof-of-concept ideas and feasibility studies.

Approximately \$1.5 million of funding is available for this call, with projects eligible to commence from 1 July 2006.

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

Tuesday, 21 June 2005 with the Research Office

### ***Further information***

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

## 9. Faculty of Science Early Career Researcher Grants 2006

The Faculty of Science is committed to nurturing and supporting Early Career Researchers and in 2000 introduced the Early Career Researcher Grants scheme to provide seeding funds for junior staff who have yet to develop a strong track record.

### ***Number of grants to be awarded***

Up to three grants of \$20,000 each will be awarded in 2005 for 2006.

### ***Eligibility***

Applicants must meet all of the following requirements to be eligible for an award \*:

- Employment status: be a Monash University salaried 'Teaching and Research' academic (excluding 'Research Only' staff) employed on a continuing basis or for a fixed term of at least two years in the Faculty of Science;
- Appointment level: hold a position at academic staff Level A, B or C; and
- Completion of doctorate: have completed a doctorate within five years of the deadline for applications for this scheme (that is, after 24 June 2000).

(\* An applicant who does not satisfy the eligibility requirements may be considered for this scheme if he or she can demonstrate a lack of research opportunities since receiving a doctorate such as having been employed in industry, a teaching only position, working part-time (or not at all) due to family responsibilities and / or be a recent appointee without major external research funding.)

### ***Guidelines / application form***

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

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

Friday, 24 June 2005 with the Faculty of Science office

## 10. Monash Fellowships

Monash University has established the Monash Fellowships to attract internationally competitive researchers to undertake research of national and international significance (including young researchers from overseas with great future potential) and provide them with the best possible environment to establish a productive laboratory or other research team and to foster collaborations.

### ***Eligibility***

Applications are invited from researchers outside Monash University, in any discipline, with normally not less than two and not more than eight years of post-doctoral research experience as at 1 September 2005, calculated from the date of submission of PhD thesis, and with demonstrated research outcomes at international level. The Fellowships are tenable only at Monash University and it is expected that most of the time will be spent at the relevant Monash department / centre.

### ***Funding***

Following a Monash-conducted competitive process, up to four successful applicants will be awarded up to \$140,000 per annum (comprising a salary in the Research Fellow Level B range - including on-costs - plus a research support grant of up to \$50,000 per annum) for 5 years. Any Fellow who subsequently secures externally funded salary support would retain a research support grant of up to \$50,000 per annum for the remainder term of the fellowship. The Fellow's Faculty/Department/School is responsible for providing accommodation and access to facilities and services necessary for the Fellow's research program.

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

Thursday, 30 June 2005 with the Research Office

### ***Further information***

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

## 11. Australian Antarctic Science Grants

The Australian Antarctic Division now invites Research applications for the 2006/07 season. Proposals can be for research to be carried out in Antarctica (including the Subantarctic) or Australia, and should be compatible with the program planned for the season and should contribute to the goals of the Science Strategy.

### ***Benefits***

It is anticipated that the grant scheme will have a total value of \$750,000 for the 2005/06 year. The maximum level of funding for an individual grant is \$30,000 (GST exclusive). In 2006/07 a small number of larger grants (up to maximum \$60,000) may be awarded to projects considered to be multidisciplinary in their approach.

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

Thursday, 30 June 2005 with Australian Antarctic Division

### ***Further information***

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

## **12. Australian Research Council (ARC) Linkage-International Programme - Fellowships and Awards**

ARC Linkage-International Awards provides funds for the reciprocal exchange of researchers between Australian research institutions and centres of research excellence overseas and by funding extended collaborations for a period of up to three years. Applications for support may be for collaboration with any appropriate researcher in any country or countries.

Each Linkage International Awards application must have at least one Australian-based Chief Investigator who is a CI or Fellow on at least one current ARC funded grant. The minimum Linkage-International Award grant is \$5000.

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

Tuesday, 5 July 2005 with the Research Office (applications are accepted at any time but are batched several times a year for assessment)

### ***Further information***

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

## **13. Research Office funding opportunities web page**

The Research Office maintains monthly lists of research grant funding opportunities on its website at [www.monash.edu.au/resgrant/grantinfo/digest/indexes/rgmonth.html](http://www.monash.edu.au/resgrant/grantinfo/digest/indexes/rgmonth.html)

## **PART C –AWARDS AND PRIZES**

## **14. Young Scientist of the Year award (under the age of 35)**

This award provides an opportunity to win a trip to the UK and Ireland in September 2005, to the value of \$5000. It also gives maximum of two weeks media training at *The Australian* (Sydney bureau), three days media training at *The Times* in London, and three days with the Antenna science news team at London's Science Museum.

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

Friday, 10 June 2005 with *The Australian*

### ***Further information***

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

## **PART D –DATES AND DEADLINES**

### **June 2005**

#### **Tuesday, 7 June 2005**

- Workshop: 'Start-up companies ... but before you start ...' [item 1]

#### **Friday, 10 June 2005**

- Deadline for applications for New CSIRO Flagship Collaboration Fund 'Flagship Projects' with the CSIRO [item 6]
- Deadline for applications for Young Scientist of the Year award with *The Australian* [item 14]

#### **Thursday, 16 June 2005**

- Deadline for applications for Australian Academy of Science: International Scientific Collaborations Program - Scientific Visits to Europe, North America and North East Asia [item 7]

#### **Monday, 20 June 2005**

- Monash Research Graduate School (MRGS) 2nd Semester Forum [item 2]

#### **Tuesday, 21 June 2005**

- Land & Water Australia - 2006 and 2007 Innovation Call [item 8]

#### **Friday, 24 June 2005**

- Deadline for applications for Faculty of Science Early Career Researcher Grants 2006 with the Faculty of Science office [item 9]

#### **Monday, 27 June 2005**

- Australian Academy of Sciences workshop: "Reconstructing past climates for future prediction: integrating high-resolution palaeo data for meaningful prediction in the Australasian region" [item 3]

#### **Thursday, 30 June 2005**

- Deadline for applications for Monash Fellowships [item 10]
- Deadline for applications for New CSIRO Flagship Collaboration Fund 'Flagship Clusters' with the CSIRO [item 6]
- Deadline for applications for Australian Antarctic Science Grants [item 11]

### **July 2005**

#### **Monday, 4 July 2005**

- The Sir Mark Oliphant International Frontiers of Science and Technology Conference Series: "Thresholds and Pattern Dynamics" [item 4]

#### **Tuesday, 5 July 2005**

- Australian Research Council (ARC) Linkage-International Programme - Fellowships and Awards [item 12]

## **August 2005**

(No entries.)

## **September 2005**

(No entries.)

## **October 2005**

### **Friday, 14 October 2005**

- Australian Research Council (ARC): Linkage Projects 2006 (Round 2 of 2005): deadline for requests for eligibility and exemption with the ARC

## **November 2005**

### **Monday, 14 November 2005**

- Australian Research Council (ARC): Linkage Projects 2006 (round 2 of 2005): deadline for full applications with the Research Office.

## **December 2005**

(No entries.)