



# FEDERATION FELLOWSHIPS

**Selection Report**  
and  
**Summary of Recommendations**  
for funding commencing in 2003

## **Federation Fellowships: Fellowships commencing in 2003**

### **Objectives**

The Federation Fellowships were a major initiative arising from the Government's January 2001 statement *Backing Australia's Ability: an innovation action plan for the future*.

The aims of the Federation Fellowships are to:

- attract and retain leading Australian researchers in key positions;
- attract outstanding international researchers whose research is demonstrated to be of national benefit to Australia;
- support research that will result in economic, environmental and social benefits for Australia;
- expand Australia's knowledge base and research capability;
- support excellent, internationally competitive research by individuals; and
- build and sustain world-class research teams and linkages.

### **Selection Criteria**

The primary assessment criteria for Fellowships are:

- investigator (60%);
- project/ program of research (20%); and
- national benefit (20%).

### **Summary of Outcomes**

The ARC received 97 applications for Federation Fellowships with 24 applications being recommended for funding.

### **Gender**

Of the 24 recommended candidates, four (Bilek, Lynch, Renfree and Simmons) are female.

### **Institutional affiliation**

Of the 24, six are from the University of Queensland, four are from the CSIRO, four are from the University of Sydney, three are from the Australian National University, three are from the University of Melbourne, two are from the University of New South Wales, and one each from the University of Adelaide and Monash University.

## Returning Australians

There are six recommended for funding in this category. All six are presently based overseas.

Applicant	Current institution
Ducker	Department of Chemistry, Virginia Polytechnic Institute and State University, USA
Holmes	University Chemistry Laboratory, University of Cambridge, UK
Lynch	Cooperative Institute for Research in Environmental Sciences, University of Colorado at Boulder, USA
Middelberg	Department of Chemical Engineering, University of Cambridge, UK
Shaw	Institute for Visual Media, ZKM, Centre for Art and Media, Karlsruhe, Germany
Tester	Department of Plant Science, University of Cambridge

## Foreign nationals attracted to Australia

There are two recommended for funding in this category.

Applicant	Country of citizenship	Current institution
Johnson	UK	Department of Anatomy, University of Cambridge UK
Maschmeyer	Germany	Laboratory for Applied Organic Chemistry and Catalysis, Delft University of Technology, The Netherlands

## ARC Priority Areas

Nineteen of these recommended Fellowships fall into designated priority areas: Three, (Burrage, Lynch, and Robinson), in complex and intelligent systems, four (Bachor, Holmes, Luther-Davies and Milburn) in photon science and technology, five (Bartlett, Johnson, Kemp, Renfree and Tester) in genome/phenome research, and seven in nano materials and biomaterials (Bilek, Drummond, Ducker, Lu, Maschmeyer, Middelberg, Simmons).

## National Research Priorities

Twenty-two of these recommended Fellowships fall into the new National Research Priority Areas: Four (Francey, Lynch, Tester and Quiggin) in An Environmentally Sustainable Australia; 1 (Bartlett) in Promoting and Maintaining Good Health and 17 (Bachor, Bilek, Burrage, Drummond, Ducker, Holmes, Johnson, Kemp, Lu, Luther-Davies, Maschmeyer, Middelberg, Milburn, Renfree, Robinson, Shaw and Simmons) in Frontier Technologies.