

to be drawn up quickly. A complete breakdown of each trust's activities and finances is also given, listing funding policy (including areas of priority), eligibility criteria, types of grants given, size of grants, funds available to the trust, examples of grants recently awarded, methods of application and contact details. Entries for those of the top 300 grant giving trusts which fund activities relevant to animal conservation/welfare, such as the Garfield Weston Foundation, the Rufford Foundation, and the World Wide Fund for Nature, are listed in more detail. In addition to trusts which support research and project work, trusts that provide funds for capital projects, core costs, salaries and other types of activity are also detailed. This directory should prove itself invaluable to all those seeking financial support for their welfare and conservation activities. All you need do now is apply!

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*The Directory of Grant Making Trusts Focus Series: Rural Conservation and Animal Welfare.* Edited by Johanna Davis, David Moncrieff and Joanna Wootton (1999). Charities Aid Foundation (CAF): Kent. 196pp. Paperback. Obtainable from, Biblios, Star Rd, Partridge Green, West Sussex RH13 8LD, UK; or via the Internet at: <http://ngobooks.org> (ISBN 185934108X), Price £24.95.

### **The use of immuno-adjuvants in animals in Australia and New Zealand**

Immuno-adjuvants are substances that are able to enhance an animal's immune response to an antigen, and are often introduced simultaneously with the antigen. They can be used to optimize yield in antibody production. Their use prompts concern about welfare issues because the efficacy of an adjuvant commonly depends upon its capacity to produce inflammation and irritation.

Produced for use by the Australian and New Zealand scientific community, this publication is aimed at practitioners and animal ethical committees seeking advice on adjuvants. Background to the use of adjuvants is given, along with an overview of the action of a range of immuno-adjuvants (with especial reference to the most effective – Freund's), and the existing literature on adverse side-effects (eg common side-effects of the use of Freund's are increased granuloma production and arthritis). Most usefully, the publication provides guidelines on routes of administration, maximum dosage, and frequency of use of adjuvants.

The report concludes that the use of these adjuvants, including Freund's Complete and Incomplete Adjuvant (FCA, FIA respectively), is acceptable. It suggests that many of the most serious problems associated with the use of FCA can be overcome through use of multiple injection sites and small doses. Sterility, of the solution to be injected and to a lesser extent at the site of injection, is also highlighted as a possible important factor influencing the development of adverse side-effects. Further recommendations concerning administration are given.

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*The Use of Immuno-adjuvants in Animals in Australia and New Zealand.* Australian and New Zealand Council for the Care of Animals in Research Teaching (1998). ANZCCART: Glen Osmond. 35pp. Paperback. Obtainable from the publishers, PO Box 19, Glen Osmond, South Australia, SA 5064, Australia (ISBN 0646249231). Price A\$10.00 (plus A\$5.75 for postage to North America or A\$6.50 postage for Europe).

### **Statistics of scientific procedures 1998**

The statistics for scientific procedures on living animals in Great Britain for 1998 have recently been published. They indicate that the number of animals used in scientific procedures has marginally increased, to a total of 2 659 662, although this should be seen against a long-term trend of consistent overall reductions since 1976. The use of genetically modified animals continues to increase, with 95 000 more transgenic mice used than in 1997, an increase of nearly