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Animal Welfare Officer
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• Replacement - dedication to the use of alternatives to animals in research

The three Rs – Burch and Russel 1959
• Replacement
• Reduction
• Refinement

• Replacement - dedication to the use of alternatives to animals in research

alternatives to animals in research Google - 177 million hits

• FRAME - Journal: ATLA
• ALTWEB – "a global clearing house for information on alternatives for animal testing" – Jon amazing array of resources.
• ALTEX - Alternatives to Animal Experimentation Journal (archive)

• In Vitro - CAAT, IIVS
• In Silico – simulations, biokinetic models,
• Searches - Google, Embase,
• Data mining, pattern recognition, bioinformatics
• In Humans
• Genotyping
• Stemcells
• Cadaver tissue

The ECVAM Good Search Practice on Animal Alternatives

"I had confused experience with learning, and comfort with perfection"
Jon Richmond, Forward – The ECVAM Search Guide

Concepts to think about:
Humane endpoints in laboratory animal experimentation
http://www.humane-endpoints.info/eng/
Managing animal stress, distress and pain
Coping with animal distress and death.
REPLACEMENT OF ANIMALS IN RESEARCH

Getting Research Funding for the three Rs

- Dr Hadwen Trust - the largest UK charity funding research using alternatives to animals. Inspiring research on many different areas.

- MAWA - Medical Advances Without Animals - Australian Charity hosted by ANU

- ARDF - Alternatives Research and Development

- ALTWEB - Funding lists