

# Norecopa: PREPARE for better Science

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## What's the problem?

Preclinical *in vivo* research needs to be reproducible and translatable, while maximising the animals' welfare and replacing them with alternatives wherever possible. This can be summed up in the **3Rs** of Russell & Burch: **Replace, Reduce & Refine**.



Scientists are usually well aware of **reporting** guidelines when publishing research. These are important, but a sub-standard study (like a burnt cake) cannot be improved by a better description. Guidelines for **planning**, although not mandatory, are of great help in designing better experiments.



[riojournal.com/article/105198](http://riojournal.com/article/105198)

## What can Norecopa offer?

Norecopa maintains a comprehensive database of resources for scientists, which include:



- over 10,000 searchable webpages of quality 3R resources, with filters to facilitate searching
- the PREPARE guidelines for planning animal experiments, with a checklist in over 30 languages
- an International Webinars & Meetings Calendar
- links to recordings of webinars covering all aspects of animal research and the 3Rs
- a collection of over 400 guidelines for planning and conducting animal research
- an English-language newsletter with the latest developments within the 3Rs
- the NORINA database of alternatives to animal use in education and training
- a slide set in 5 languages describing the 3R concept in detail: [norecopa.no/3Rs](http://norecopa.no/3Rs)
- a Refinement Wiki

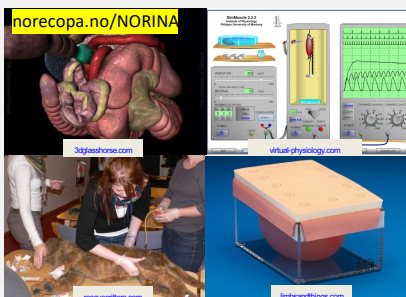
## Examples of Norecopa's resources:



**Design and reporting of animal experiments**

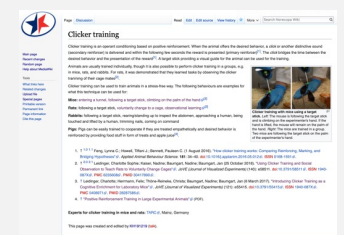
This page supplements advice given in Section 4 of the PREPARE guidelines. PREPARE covers all aspects of design (including animal and facility related issues).

**norecopa.no**  
 >10,000 webpages  
 7 newsletters/year



**PREPARE covers:**

- ✓ Formulation of a study
- ✓ Dialogue between scientists and the animal facility
- ✓ Quality control of the components in the study



The Refinement Wiki  
[wiki.norecopa.no](http://wiki.norecopa.no)

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Toolbox graphic: colourbox.com