August II: Symposium and workshop in Systematic Reviews and Meta-analyses

Aarhus University 6.4.2017

Welcome

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AARHUS UNIVERSITY
HEALTH

RESPONSIBLE CONDUCT OF RESEARCH

- Is of utmost importance for AU
- Developed a policy
- Set up a code of practice
- Based on international guidelines

It means that AU now has

1. A university-wide policy on research integrity (RCR)
2. Clear and precise discipline-specific standards for RCR
3. Training in RCR at all levels
4. A clear procedure for handling suspicion of breach of RCR
5. Special advisers on research integrity at each faculty

THUS...

Responsible behaviour must be a fundamental element in each phase of the research process including both

- Humans
- Animals


The European Code of Conduct for Research Integrity
Danish Code of Conduct for Research Integrity
November 2014
Standards for responsible conduct of research at Health
RESPONSIBLE RESEARCH PRACTICE AT AARHUS UNIVERSITY
AARHUS UNIVERSITY

HEALTH: Standards + detailed descriptions of what to do:

1. From project initiation to project conclusion - ensuring RCR

1.1 Preparing a research project

1.2. Experimental studies

1.3. Clinical studies

1.4. Clinical studies on medical devices

1.5 Register-based research

2. Data

3. Publication and authorship

4. Cooperation agreements with industry and other institutions

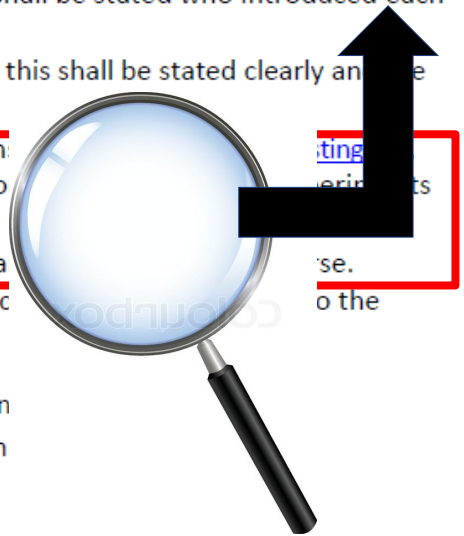
1.2. *Experimental studies*

- The project description shall be completed before experiments are initiated, unless the experiments form part of a pilot study. A pilot study is a pre-study used to specify any guidelines for the final project description. It must be clear when pilot studies conclude and when the final project

- ***Anyone conducting research in animals shall observe the provisions of the Danish Animal Testing Act, and no such testing may be initiated without previous approval from the Danish Animal Experiments Inspectorate.***
- ***Anyone involved with studies in animals shall have completed an animal study training course.***

amendment.

- If any of the collected data are excluded from the final publication, this shall be stated clearly an[illegible]e reasons why data were excluded shall also be provided.
- Anyone conducting research in animals shall observe the provision[illegible]ting and no such testing may be initiated without previous approval fro[illegible]ts Inspectorate.
- Anyone involved with studies in animals shall have completed an a[illegible]se.
- Projects which may potentially lead to the development of biologic[illegible]o the approval of Centre for Biosecurity and Biopreparedness.



General guidelines on how to prepare a project description for experimen
in the Danish Ministry of Higher Education and Science's publication from
Good Scientific Practice (in Danish).

RCR AND 3R

Replacement

Reduction

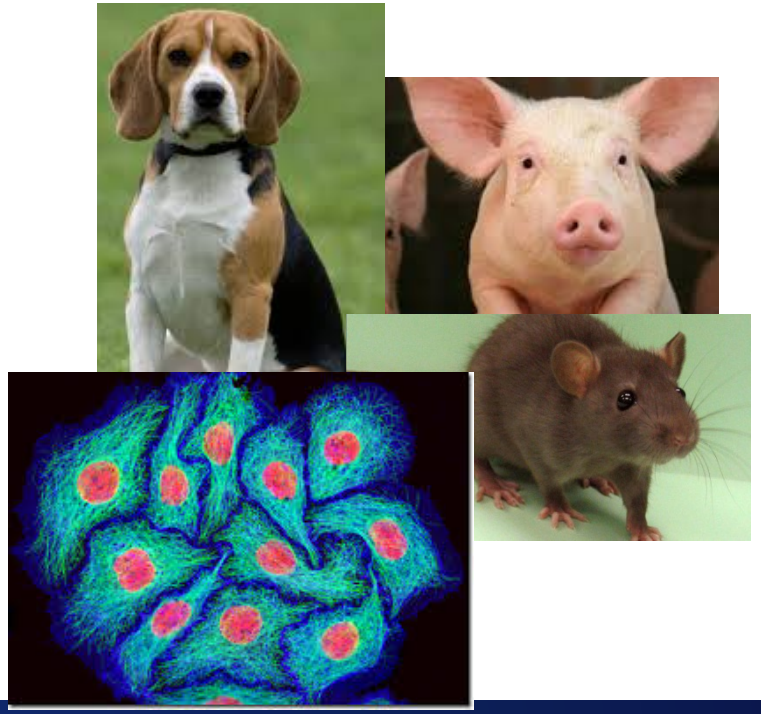
Refinement

WHAT DRIVES YOU IN CHOICE OF (ANIMAL) EXPERIMENTAL MODEL?

Have all animals the same right for not being used for experiments?

Are the animal at all the best model for human diseases?

Do you use enough time for developing the most suitable model – or does that not fit with publish/perish?



CAN SYSTEMATIC REVIEWS CONTRIBUTE TO IMPLEMENTATION OF THE 3R?

YES

No. of animal studies online

SYSTEMATIC REVIEW:

- A more evidence based study design based on a single research question

META-ANALYSIS:

- Use of statistical methods to summarize the results from independent studies

- **R**efine our animal studies
- Eliminate unnecessary duplication => **R**educe the number of animals used

WHAT DRIVES YOU IN CHOICE OF (ANIMAL) EXPERIMENTAL MODEL?

Are the animal at all the best model for human diseases?

Do y ost

suit lish/perish?

Reflect,
Reduce and
Replace

TO CONSIDER RESEARCH INTEGRITY AND 3R SHOULD BE A NATURAL PART OF YOUR RESEARCH PROCESS

THANK YOU!