

# The Danish 3R-Center, National Committee & Animal Welfare Bodies

Louise Stab Bryndum og Sofie Reumert Biering-Sørensen

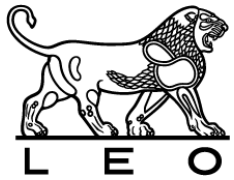
# Agenda

- ▶ How are we organized?
  - ▶ 3R-Center/National Committee
  - ▶ Animal Welfare Bodies
  - ▶ The Animal Experiment Council
- ▶ Work
  - ▶ 3R-Center
    - ▶ Symposium
    - ▶ Yearly report
    - ▶ Research funds
  - ▶ National Committee
    - ▶ Animal Welfare Bodies annual meeting
    - ▶ Statements
    - ▶ Collaboration with The Animal Experiments Council
  - ▶ Animal Welfare Bodies Steering Committee
  - ▶ Supervision of Animal Welfare Bodies



# Organization

- ▶ Established in 2013
- ▶ Cooperation between:



**ANIMAL PROTECTION  
DENMARK**



Ministry of Environment  
and Food of Denmark



# Organization

The board:

- ▶ [Axel Kornerup Hansen](#), chairperson (University of Copenhagen)
- ▶ [Birgitte Kousholt](#) (Aarhus University)
- ▶ [Cathrine Juel Bundgaard](#) (Novo Nordisk)
- ▶ [Erwin Roggen](#) (3Rs Management and Consulting ApS)
- ▶ [Lotte Martoft](#) (Aim2Achieve)
- ▶ [Peter Bollen](#) (University of Copenhagen)
- ▶ [Terje Svingen](#) (Technical University of Denmark)



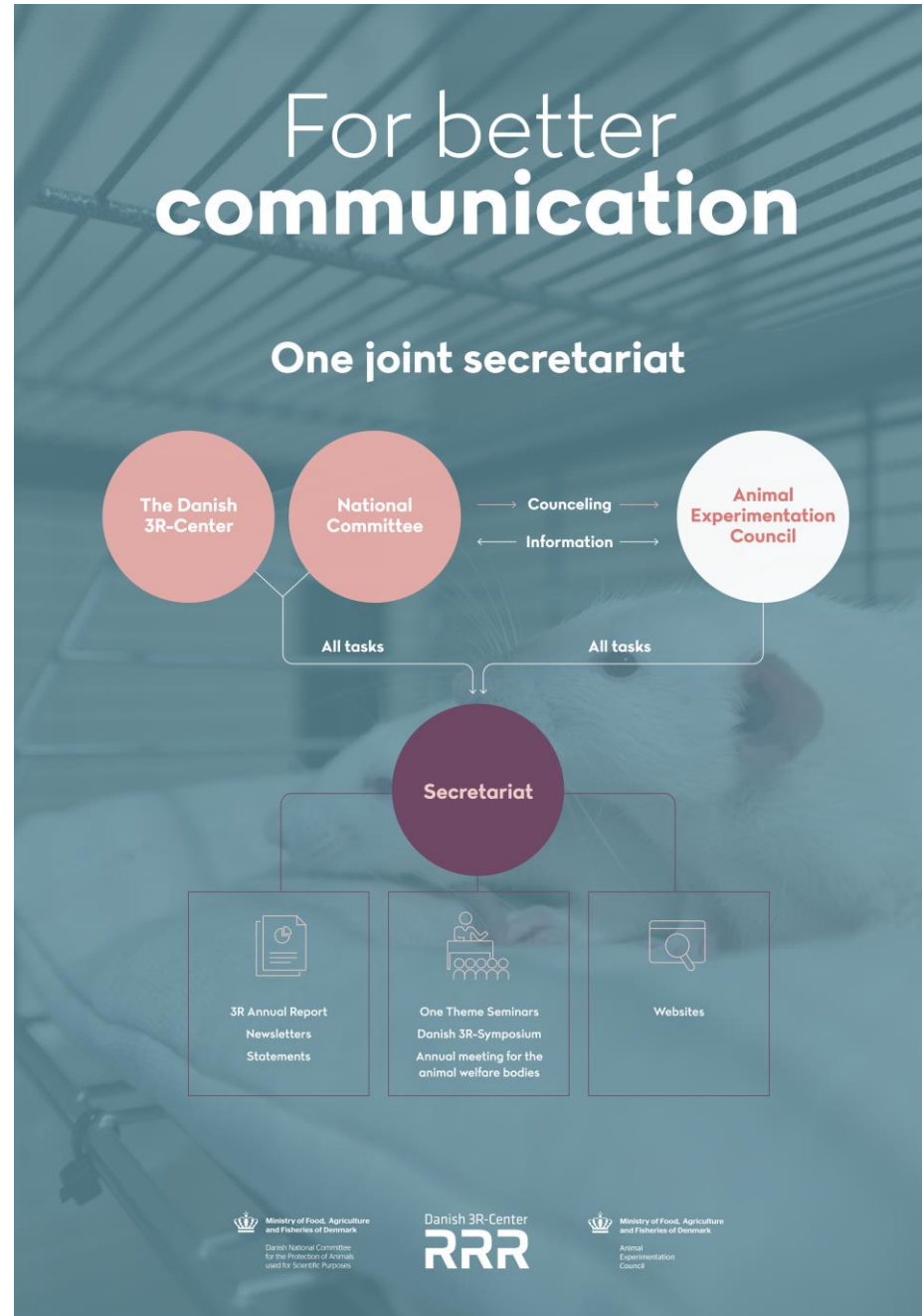
# Organization

## The secretariat:

- ▶ Tom Bentgsen, leader of the secretariat
- ▶ Rasmus Normann Nielsen, communications officer
- ▶ Sofie Reumert Biering-Sørensen, veterinarian
- ▶ Louise Stab Bryndum, veterinarian
- ▶ Student worker



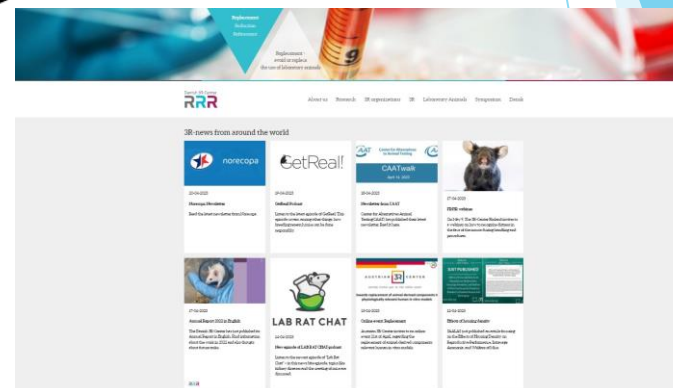
# Organization



# Work - 3R-Center



- ▶ International Symposium (November 6-7, Copenhagen)
- ▶ Funding of 3R-projects
- ▶ News
- ▶ International co-operation
- ▶ Statements
- ▶ Annual report (Danish and English)



Danish 3R-Center  
**RRR**

**The Danish 3R-Center thinks that a broader understanding of the concept of Replacement of experiments on animals is needed (2019)**

*The Board of the Danish 3R-Center*

Sixty years have passed since William Russell and Rex Burch introduced the 3Rs in *The Principles of Humane Experimental Technique* (1959). The principles have been particularly successful, considering that they are currently integrated into animal research legislation in many countries.

Quite a number of scientific reports conclude that the volume of information currently obtained per laboratory animal used is far greater than was the case in 1959, which is one of the fundamental features of Reduction. The housing of laboratory animals has also vastly improved and procedures have become more humane, resulting in Refinement. In addition, a number of routine tests for safety assessments of chemicals and drugs have been superseded by non-animal methods, leading to Replacement. Approval procedures for new chemicals and medicines have also begun to utilize non-animal methods. This is exemplified by the adoption by the OECD (which harmonises testing guidelines) of the Adverse Outcome Pathways concept, specifying guidelines for mechanistic studies without laboratory animals. The Danish 3R-Center expects to see great benefits from sharing of experimental findings to maximize the level of knowledge.

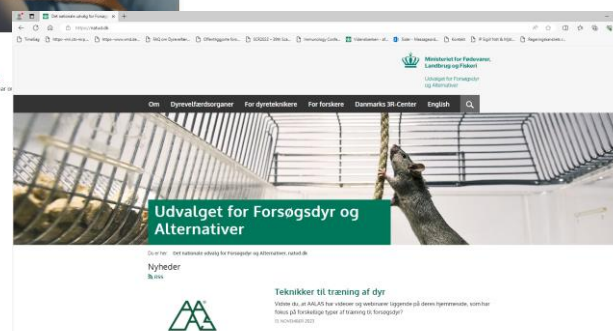
Yet research itself has changed, too, and research results are in far greater demand today than previously. Basic research at universities and the initial development of new candidate drugs are areas that are particularly increasing in scope. These types of research are based far less on routine trials that repeatedly use the same laboratory set-up. Accordingly, there is still a great demand for targeted projects to implement the 3Rs, and for research into non-animal methods to make it possible for the more formative experiments in basic research to be replaced with non-animal methods as well.



# Work

## - National Committee

- ▶ Annual meeting for Animal Welfare Bodies
- ▶ News
- ▶ Statements
- ▶ Collaboration with The Animal Experiments Council





# Work

## - National Committee

### ► Annual meeting for Animal Welfare Bodies

#### Program formiddag (09.00-13.00)

- 09.00-09.30: Morgenmad og mulighed for at opstille medbragte effekter til markedspladsen
- 09.30-09.45: Velkomst ved **Axel Kornerup Hansen**, formand for Udvalget for Forsøgsdyr og Alternativer
- 09.45-10.00: **Dyrepasserens rolle set fra Dyreforsøgstilsynets perspektiv** (Leif Røge Lund, Dyreforsøgstilsynet)
- 10.00-10.30: **Dyrepasserens rolle i "Culture of care"** (Johan Mikkelsen, dyrepasser ved Novo Nordisk)
- 10.30-11.10 Dyreteknikers indsats for dyrevelfærd:
  - **Dyreteknikers indsats for dyrevelfærd - med lidt andre udfordringer**, Heidi Melgaard, dyrepasser ved Aarhus Universitet
  - **IVFF's dyrevelfærdsorgan - Som teamleder og AOD**, Mathilde Caldara, Teamleder ved Københavns Universitet
  - **Dyreteknikers indsats for dyrevelfærd**, Dina Arengoth, ledende dyretekniker ved Syddansk Universitet
  - **Dyreteknikers indsats for dyrevelfærd**, Louise Nielsen og Joy Winer, dyreteknikere ved Lundbeck
- 11.10-11.25: Pause
- 11.25-11.35: Introduktion til gruppearbejdet (Culture of Care) ved Tom Bengtsen, Dyreforsøgstilsynet
- 11.35-12.20: Gruppearbejde om Culture of Care med udgangspunkt i en række cases
- 12.20-13.00: Opsamling på gruppearbejde i plenum

#### Program eftermiddag (14.00-15.30)

- 14.00-14.30: **Refining Refinement – En dyrecenteret tilgang til dyreforsøg** (Dorte Bratbo, Københavns Universitet)
- 14.30-15.00: **Opstaldning af mus i et naturligt habitat - effekt på immunitet, tarmmikrobiota og udvikling af kolorektal kræft** (Preben Boysen, Norges Miljø- og Biovidenskabelige Universitet)
- 15.00-15.25: Succeshistorier, udfordringer og nye initiativer:
  - **Socialisering af kaniner hos opdrætter** (Kevin Dhondt, Charles River) (pre-recorded præsentation)
  - **Ny tilgang til kaninbure** (Tanja Wiberg, SSI Diagnostica)
- 15.25-15.30: Afsluttende bemærkninger og uddeling af præmie for bedste tiltag på Markedspladsen (Axel Kornerup Hansen, formand for Udvalget for Forsøgsdyr og Alternativer)

- 13.00-14.00: Frokost og markedsplads

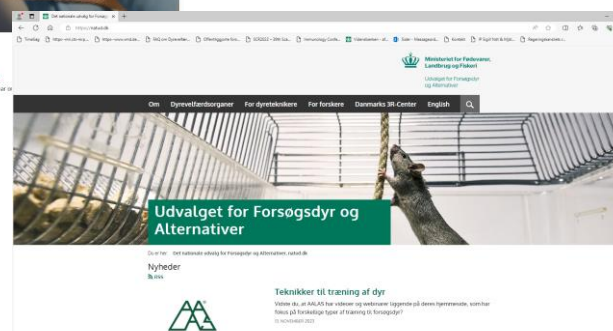
Frokosten afholdes i Holst Auditoriet

Mødet åbnes for alle interesserede deltagere resten af eftermiddage (såfremt der er ledige pladser)

# Work

## - National Committee

- ▶ Annual meeting for Animal Welfare Bodies
- ▶ News
- ▶ Statements
- ▶ Collaboration with The Animal Experiments Council



# Work

## - Animal Welfare Bodies Steering Committee

- ▶ Two Annual meeting for the Animal Welfare Bodies Steering Committee
  - ▶ Contributions to the annual meetings
  - ▶ Exchange of knowledge and practices

# Work

## - Supervision of Animal Welfare Bodies

- ▶ Reports from meetings in the Animal Welfare body is reviewed