

Basic Animal Research Ethics Training at the North-West University

Theme 1

Foundational concepts in animal research ethics

- **Moral ethics theories** in animal research ethics
- **Compassion** in animal research ethics
- Animal research **ethics** and scientific **quality**
- **PREPARE** guidelines

Theme 3

Ethical principles related to animal welfare in research

- **Philosophy** of animal use and a **culture of care**
- The principles of the **4Rs** in research using animals
- **Case studies** on the implementation of the **4Rs**
- The **5 freedoms**, welfare monitoring & record keeping in research using animals
- **The 5 domains**
- **Severity categories** for the impact of animal procedures on animal welfare
- **Harm-benefit analysis** in research using animals
- **Case studies** to implement a **harm-benefit analysis**
- **End of study**, humane endpoints, euthanasia in research using animals
- **Case studies** on the **justification** for the use of animals
- The **Comprehensive 12 Rs Framework** for Animal Research Ethics

Theme 5

The NDoH 2024 explained

- Guideline's **context, layout & scope**
- **Veterinary clinical trials**
- **Dilemma** of using animals
- **Scientific design** & justification & reduction
- **Consent** to use animals of **private owners**
- Using **animal biological materials**
- **Governance** of research ethics: ToR, SOPs and other documents
- **AREC composition** requirements
- Animal research ethics **training requirements**
- Requirements for **AREC SOPs**
- The role of the **NHREC**
- **HBA, MoU and regulatory framework**

Theme 2

The ethico-legal landscape of animal research

- International **conventions, principles & guidelines** of animal research ethics
- **Legislation, guidelines and structures** of animal research ethics in South Africa
- **Special legal requirements** and structures of animal research in South Africa
- The **Animal Protection Act 71 of 1962**
- **South African Acts** applicable to different research fields involving the use of animals

Theme 4

The SANS 10386 explained

- Guideline's **context, layout & scope**
- Guideline's **terminology & concepts**
- Guideline's **governing principles**
- **Responsibilities** of the research **institution**
- **Responsibilities** of the animal **ethics committee**
- **Responsibilities** of the **investigator**
- **Responsibilities** of the animal **caretaker** and **veterinarian**
- **Requirements** for education, training, supervision and competency
- **Animal well-being**
- Special **institutional responsibilities**
- **Responsibility** in specific contexts (transport, wildlife, farm)

Theme 6

Researcher- & study-related considerations in research using animals

- **Compassion fatigue** of researchers in studies involving animals
- **Biosafety** and other **safety measures** for researchers in studies involving animals
- Essential **scientific and legal considerations** for studies using animals
- **Managerial considerations** for the studies using animals