THE 3 R’S OF ANIMAL RESEARCH ARE GUIDELINES FOR THE ETHICAL TREATMENT OF ANIMALS IN BIOMEDICAL STUDIES.

- **REDUCTION**: Reduce the number of animals used to obtain the same results.
- **REPLACEMENT**: Replace animal studies with other suitable methods whenever possible.
- **REFINEMENT**: Refine tests to cause the animals less stress both in and out of the study.

They were first represented in the book “Principles of Humane Experimental Technique” by Drs. William Russell and Rex Burch.