National Centre
for the Replacement
Refinement & Reduction
of Animals in Research

3Rs Prize application form

Please return the completed form as a **PDF file** to 3Rsprize@nc3rs.org.uk by **1 May 2025**. Answers to each question should be a **maximum of 300 words**. Further guidance and eligibility criteria can be found on the NC3Rs website.

Section 1 – Candidate details

Name:	
Email address:	
Institute:	
Co-authors: **(please provide names and email addresses)**	

Section 2 – Summary of the paper

Title:	
Full reference:	
Source of funding:	

Lay summary

Describe the background and major findings of the paper for a non-scientific audience.

Describe your contributions and the contributions of others involved in the manuscript and/or research.

Section 3 – Use of animals

This section should be completed where the study involves any live animals, from mammals to fish, and includes the use of invertebrates.

Please indicate which animal welfare standards apply (e.g. Animal (Scientific Procedures) Act 1986, Directive 2010/63/EU, Guide for the Care and Use of Laboratory Animals etc.).

If these standards have been exceeded, please explain how. The Panel will look more favourably on papers reporting work conducted to genuine high welfare standards.

Please confirm the publication was reported in accordance with the ARRIVE Essential 10 and complete the checklist on page 5.

If any of the Essential 10 are not included in the manuscript, please provide justification:

NOTE: Please save this file locally before filling in the table, DO NOT work on the file within your internet browser as changes will not be saved. Adobe Acrobat Reader (available free here) is recommended for completion.

The ARRIVE guidelines 2.0: author checklist

The ARRIVE Essential 10

These items are the basic minimum to include in a manuscript. Without this information, readers and reviewers cannot assess the reliability of the findings.

Item		Recommendation	Section/line number, or reason for not reporting
Study design	1	For each experiment, provide brief details of study design including: a. The groups being compared, including control groups. If no control group has been used, the rationale should be stated. b. The experimental unit (e.g. a single animal, litter, or cage of animals).	
Sample size	2	a. Specify the exact number of experimental units allocated to each group, and the total number in each experiment. Also indicate the total number of animals used. b. Explain how the sample size was decided. Provide details of any *a priori* sample size calculation, if done.	
Inclusion and exclusion criteria	3	a. Describe any criteria used for including and excluding animals (or experimental units) during the experiment, and data points during the analysis. Specify if these criteria were established *a priori.* If no criteria were set, state this explicitly. b. For each experimental group, report any animals, experimental units or data points not included in the analysis and explain why. If there were no exclusions, state so. c. For each analysis, report the exact value of *n* in each experimental group.	
Randomisation	4	a. State whether randomisation was used to allocate experimental units to control and treatment groups. If done, provide the method used to generate the randomisation sequence. b. Describe the strategy used to minimise potential confounders such as the order of treatments and measurements, or animal/cage location. If confounders were not controlled, state this explicitly.	
Blinding	5	Describe who was aware of the group allocation at the different stages of the experiment (during the allocation, the conduct of the experiment, the outcome assessment, and the data analysis).	
Outcome measures	6	a. Clearly define all outcome measures assessed (e.g. cell death, molecular markers, or behavioural changes). b. For hypothesis-testing studies, specify the primary outcome measure, i.e. the outcome measure that was used to determine the sample size.	
Statistical methods	7	a. Provide details of the statistical methods used for each analysis, including software used. b. Describe any methods used to assess whether the data met the assumptions of the statistical approach, and what was done if the assumptions were not met.	
Experimental animals	8	a. Provide species-appropriate details of the animals used, including species, strain and substrain, sex, age or developmental stage, and, if relevant, weight. b. Provide further relevant information on the provenance of animals, health/immune status, genetic modification status, genotype, and any previous procedures.	
Experimental procedures	9	For each experimental group, including controls, describe the procedures in enough detail to allow others to replicate them, including: a. What was done, how it was done and what was used. b. When and how often. c. Where (including detail of any acclimatisation periods). d. Why (provide rationale for procedures).	
Results	10	For each experiment conducted, including independent replications, report: a. Summary/descriptive statistics for each experimental group, with a measure of variability where applicable (e.g. mean and SD, or median and range). b. If applicable, the effect size with a confidence interval.	

Section 4 – Impact to date

Which R does the work impact?

The NC3Rs website gives a description of our 3Rs definitions. Check all that apply.

Replacement	☐
Reduction	☐
Refinement	☐

What 3Rs impact has this research had to date?

Where possible, include metrics demonstrating the 3Rs impacts achieved to date and whether the impact has been realised in your laboratory, institution, and/or other institutions.

How have you disseminated the impacts (scientific and 3Rs) to date?

This could include attendance at scientific conferences/ meetings, publications as well as any workshops or visits with end users etc.

What scientific impacts has this research had to date?

Section 5 – Future impact

What impacts (scientific and 3Rs) could the findings described in the paper have in your research area?

Where possible, describe the validation work already performed to achieve this impact. Alternatively, include the validation studies needed for the method to be recognised.

In other research areas?

Section 6 – Proposed use of Prize

What will the Prize grant be used for?

As well as a description of how the funds will be used, please include a high-level budget breakdown.

What is the potential impact of these plans for yourself and your research?

Give details about the impact of the Prize grant such as, but not limited to:

- *Potential 3Rs impacts*
- *Additional outputs and impacts (e.g. scientific advances, networking etc.)*
- *Benefits of this Prize to your career (e.g. generate preliminary data for future grant applications, training opportunities, secondments etc.)*