

3Rs Doctorate Programme - Full Application Example Application Form

Reference Number	DP-2022-000
Project Title	Example Application
Applicant Organisation	University of Switzerland
Contact	Dr Jane Smith

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1. Basic Overview

Project Title

Please provide your own title for the project. This should be both clearly descriptive and concise. It should contain keywords relevant to the project.

Example Project Title: Creating an example to assist applicants

Title

Dr

Forename(s)

Jane

Surname

Smith

Institution

University of Switzerland

Co-applicants

Please list the names of all applicants responsible for the content of the proposal. Please make sure to include your potential PhD supervisor as a co-applicant on this project.

Important: *all the co-applicants of the project will receive an email to register / login to the portal to approve (or reject) their participation in the project submission. All co-applicants must indicate their approval prior to submission.*

Keywords / Phrases

Please include at least 3 keywords / short phrases that are most relevant to your project proposal.

Each keyword / phrase should be entered separately in each row. You may include up to 10 keywords / phrases.

Keywords

Example 1

Example Two

This is an example phrase

Please select the appropriate "Research Area" that applies to your project

Please select from the drop-down list which scientific field(s) your proposal most closely corresponds to. You should limit your selection to a maximum of 2 fields.

Research Area

Immune System

Sensory Organs (skin, eyes, ears)

Expected Project Duration (months):

The 3Rs Doctorate Programme can take up to a maximum of 48 months, with no strict minimum duration set.

48

Proposed Start Date: <i>Projects are expected to begin between January 2023 to April 2023, although project starts can be delayed beyond this point with added justification.</i>
01/01/2023

Will your project require an animal licence?	No
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Will your project use or develop any in-vitro approaches?	Yes
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Are you intending to use animal-free culture substrates and supplements?	Yes
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Do you commit to general principles of good practices in the field? For further information see the OECD "Guidance Document on Good In Vitro Practices (GIVIMP)", and the "Guidance on Good Cell Culture Practice (GCCP)".
Yes

2. Project Summary

Lay summary

Please provide a brief, public facing description of the project. Should your project be successful, this information may be made public once the funding is confirmed.

This summary should not include any references to scientific publications, any field-specific acronyms or technical jargon.

Summary text

Problem Statement

Describe the current problem that may be addressed through the research you plan to conduct in your PhD. Describe the current state-of-the-art related to your proposal, the scientific background and any competing or other existing strategies for answering your research question.

You may wish to highlight any previous work the chosen department has done in this field here (although more focus is given to this aspect in the "project feasibility section").

Description of current status-quo

Description of proposed idea

Please provide further detail on the research objectives given above. How do these objectives fit onto the scientific background you have described? Would your work support or contest currently held standards in the field?

Include any potential benefits of the proposed project in terms of e.g. innovation, reliability (e.g. reproducibility, robustness), relevance (e.g., accuracy, mechanistic, complexity, species of interest) and/or animal welfare. Explain the challenges that will need to be overcome and describe how this will be achieved, including any other possible solutions that have been or may need to be considered.

Precise details of the methodology and experimental design are to be described in the next section.

How I plan to fix or improve on the current status-quo...

3Rs impact assessment

Please outline the potential 3Rs benefits arising from the successful completion of the project.

Provide your own assessment of the 3Rs impact of the work, including quantitative estimates whenever possible (e.g. number of animals that might have improved well-being and/or that might no longer be used if this project is successful, in Switzerland and internationally, and how many groups that use the animal model could benefit from your 3R research).

An analysis of the current status of the impact to animal numbers and animal welfare...

3. Methodology and Project Plan

If applicable, do you plan to pre-register your study?

Pre-registration of a study's conceptual design, experimental design, and planned analysis can contribute to the robustness and reproducibility of the work achieved. The 3RCC strongly encourages pre-registration in order to foster transparency in research.

For example, you can pre-register your animal study at <http://www.animalstudyregistry.org/>

Yes

Do your group, or those from co-applicants, have an "in-house" biostatistician?

Yes

Study reproduction

For the purposes of research reproducibility and/or implementation feasibility... do you plan to reproduce the research conducted within one research group in an independent collaborator group?

Yes

Methodology & experimental design

Please outline the proposed methodology(ies) to be used, expanded upon or created during the project as well the overall experimental design. Indicate which of the methodologies is something you are already familiar with, which you expect to learn, and/or which you would "outsource" to another person within the project.

Whenever applicable (e.g. animal experimentation, validation study), a justification of the proposed sample size must be given along with power calculations and details of the planned statistical analyses. Furthermore, any plans to reduce bias such as blinding or randomisation should be indicated whenever appropriate.

Figures may be included as attachment below.

Description of methodology, techniques and approaches to be learned, developed and/or applied ...

Project plan

Please describe the project milestones, deliverables at appropriate intervals and the responsible researcher for each milestone.

Highlight the project management processes that will be used to ensure that milestones and key deliverables are achieved in a timely manner. Indicate what are the technical challenges that need to be addressed and what the key success criteria would be.

Milestone 1; milestone 2; etc

Project schedule

Please attach a Gantt chart indicating the expected deadlines for key milestones and intended schedule for the duration of the project.

Project Schedule

Project Schedule

Application Gantt Chart

Optional: Attach project figures

Here you may upload any additional figures that may help to clarify details described in previous sections (e.g. background of the animal model, current state of the art, experimental design, 3Rs impact, etc). Please ensure that the information in the figures is kept as concise as possible and refers directly to the parts of the text provided. This should not be used as an opportunity to surpass the word limits provided in the above sections.

Project Figure Attachments

Figures

4. Feasibility and Communication

Feasibility of the project

Great team
Wonderful equipment
Much management here

Do you plan on publishing results as a pre-print or in open-access journals?

Yes

If applicable indicate any standardised reporting guidelines you will use for publications

For example, for animal studies see the ARRIVE_guidelines.

Name of published guideline

Communication of project output

*Please outline how you will communicate and disseminate your research to both scientific and lay audiences to encourage uptake of the 3Rs benefits **within the timeframe of your proposal**.
We encourage you not to limit this to publications and/or conference attendance only.*

Communication about the project while I'm working on it...

Dissemination / implementation of project outcomes

*How do you plan to achieve the broadest possible impact of your project once its been completed? Describe the strategy you intend to apply to convince external groups that may use an "older" approach to build off of the results of your project.
For example, contribution to efforts to improve guidelines / regulations; incorporation of material into educational courses; organisation of external practical workshops.*

Once I'm done with the research, this is what I will do to ensure the results are wide-reaching...

5. References

References

*References within the text should be in a standard format (i.e. First Author, "et al", Year of Publication).
The full citation for those references should be provided here. There are no specific format requirements as long as the reference can be further located (if necessary).*

Reference List

6. Application Finances

Budget Category Breakdown

Personnel Costs

Budget Item 1

Name	Meeee
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Description	My monies
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	Year 1	Year 2	Year 3	Year 4	Total
Costs	55,000.00	55,000.00	55,000.00	55,000.00	220,000.00

Other

Budget Category Totals					
	Year 1	Year 2	Year 3	Year 4	Total
Personnel costs	55,000.00	55,000.00	55,000.00	55,000.00	220,000.00
Consumables costs	0.00	0.00	0.00	0.00	0.00
Other costs	0.00	0.00	0.00	0.00	0.00
Total	55,000.00	55,000.00	55,000.00	55,000.00	220,000.00

Funding from other public and private bodies that may contribute to the delivery of this project.

This amount is not counted towards the total amount requested from the 3RCC; but may be evaluated in terms of the feasibility of the project.

9. Declaration

The lead applicant is expected to have discussed the application within his or her own institution and any other body whose cooperation will be required to deliver the project.

The lead applicant will need to obtain a letter of support from an authorised officer or appropriate signatory who will sign the contract if successful; we will provide a contract for review. The contract is a legally binding document and subject to the outcome of this competition.

By submitting the application, you are confirming that the information given, in this application, is complete and that you are actively engaged in this project and responsible for its overall management and agree to administer the project, if selected for funding by the 3RCC. You are committing to report the project as outlined in the proposal. You are also confirming that you have read and understood the relevant explanatory materials.

I hereby confirm that I fully comply with the declaration as stated above

Please tick the box to confirm.

This application cannot be processed without the Declaration section being completed.

Confirmed

Appendices

- 1) Application Gantt Chart - participation-print-participations-20220402.pdf
- 2) Figures - participation-print-participations-20220402(2).pdf