Swiss 3R Competence Centre

Targeted Call - Outline Application
Application Form

Reference Number	TCO-2022-000
Project Title	-
Applicant Organisation	University of Scientific Discovery
Contact	Dr Sam Smith

Swiss 3R Competence Centre

Basic Overview

Project Title *Please provide the title for your project. This should be both descriptive and concise.*
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Title	Dr
Forename(s)	Sam
Surname	Smith
Institution	University of Scientific Discovery

Keywords / Phrases
Include at least 2 keywords, and up to 10 keywords that are most relevant to your project proposal.

Keyword / phrase
Keyword1
This is a key phrase

Please select the appropriate "Research Areas" that apply to your project *Please select from the drop-down list which scientific field(s) your proposal most closely corresponds to.*
Research Area Nervous System Immune System

Proposed Start Date: *Projects are expected to start between July and November of 2023.*
01/07/2023

Expected Project Duration (months): *The maximum funding period for the project is 48 months. There is no minimum duration.*
48

Estimated Total Project Cost (CHF): *Total project cost should generally not exceed CHF 460,000.* *In case you feel strongly that a higher budget is justified, please get in touch with us at secreteriat@swiss3rcc.org before you submit this outline.*
400000.00

Will your project use experimental animals *Indicate whether you plan to use animals in your experiment that would require an animal license.*
No - We will not use animals in our experiment

Proposal

Proposal Highlights
Please provide a list of 4-8 bullet points which highlight:
- *the current problem to be solved;*
- *the benefits of the 3Rs approach;*
- *the current proposals **main aims** to be achieved,*
- *and its potential impact.*

- *Highlight 1*
- *Highlight 2*
- *Highlight 3*

Approach Literature Reference:
Please provide the most relevant scientific reference corresponding to the approach-of-interest. Ideally, this should be a peer-reviewed article in an established scientific, but if this is not available, provide a reference link which best demonstrates the approach.

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Description of Proposed Approach to be Implemented
Please provide a description of the 3Rs approach your project aims to further? What was the original circumstance which necessitated the initial development of this 3Rs approach? What aspects are the most promising? What are potential weaknesses in the approach that can be overcome, or that cannot (yet) be overcome? What other factors have limited its wide-spread implementation?

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Project Scientific Outline and Aims
Please provide a brief description of the project including: the motivation for the project; the primary and secondary outcomes; what are the expected benefits of the project compared to the state-of-the-art in terms of innovation, reliability (e.g. reproducibility, robustness), relevance (e.g. accuracy, mechanistic, complexity, species of interest) and animal welfare; an overview of the methodology (and, if applicable, the experimental design) to be employed; the feasibility of the project; and how the results could be used in the wider scientific community or public.

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Targeted Application Area
Who is the outcome of this proposal aimed at? If successful, where would this approach be implemented, and to what extent?

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Collaboration Outline
*One of the Swiss 3RCC's missions is to encourage a **strong network of collaborations**; both in any research **development** phase, but also in the **implementation** phase to ensure multi-centre reproducibility and*

*robustness. Therefore, please outline how the **collaborations** setup for this proposal are especially suited to tackle the problem at hand. Feel free to describe the type of collaborations envisioned even if the particular research groups involved are not yet fully committed as co-applicants.* *Further, in-depth feasibility of the suggested collaboration will only be evaluated if invited to submit a full application.*
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Expected Impact on 3Rs *Please outline the potential 3Rs benefits arising from the successful completion of the project. How many animals will be impacted if the approach is successfully implemented in Switzerland, Europe and Internationally? For **refinement-based** approaches, how will animal welfare be quantified? Would there be a direct decrease in the given severity degree of future related projects? For **replacement** projects, how might this project change the mindesets of researchers using animals and switch the proposed alternative?*
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Optional: Figure Legend *Please provide the figure legend here.*