ARC HUB Accelerating Research to Commercialisation

Translational Research Project Application Expression of Interest

Deadline 31st March 2026

Personal Details

1. **Name and Title**	
2. **Contact e-mail:**	
3. **Research Body:**	
4. **Date of Application to the ARC Hub:**	
5. **Title of Translational Research Project (Max. 300 characters):**	
6. **Please confirm that the specific work proposed is not under review with another source (i.e. this would not result in double-funding):**	

Note: Fonts in blue are prompts for information the ARC Hub for Therapeutics Team seeks.

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Translational Research Project Information

7. Thematic area (Select all that apply):

- *Cardiovascular & Metabolism*
- *Infection & Immunology*
- *Neuroscience*
- *Oncology*
- *Rare Diseases*
- *Other*

8. Scientific Background and Rationale of Target selection - Is there adequate evidence the proposed target/ approach has a therapeutic potential (2,100 characters max.)

- *Are there genetic links with disease? Is there differential expression in healthy vs disease tissue?*
- *Has the target been successfully modulated using genetic approaches (e.g. knockout, knockdown, overexpression) or using pharmacological tools?*
- *Do these interventions produce therapeutically relevant outcomes?*
- *Target tractability: has this approach been used successfully to modulate similar targets- please elaborate?*
- What are the key pathways of the selected target in the disease and can they mechanistically explain the known efficacy data?

9. Therapeutic Indication (1,600 characters max.)

- *Which disease would be the best indication for your target and why?*
- *For technologies with platform potential please describe the range of possible indications.*
- *What is the current treatment approach for the indication(s) you have mentioned and why do you think your treatment would be superior i.e. is there a clear gap in existing therapeutic options?*
- *Are there specific patient subtypes/populations that would respond better to this treatment, if so, please describe.*
- *Are patient data or biomarkers available that support target involvement?*

10. Therapeutic Modality (1,700 characters max.)

- *What is the modality you are using to modulate your target of interest (small molecule, antibody, siRNA, gene therapy, cell therapy, vaccine, antibiotic, etc)*
- *Provide details of the molecule you have identified/developed and please include any characterization you have performed to validate this molecule and its mechanism.*
- *How specific is your targeting approach – have you examined whether there is any "off target" activity? If not, please describe how you would investigate non-specific activity*

11. Research to support Hypothesis (3,600 characters 2 figures max. to be uploaded in the next question)

- *Please describe research to date highlighting any significant discoveries relevant to the project of interest specifically including details of data generated that validates your hypothesis / target. Please specify the maturity of the therapeutic - whether you have validated your molecule/target in vitro or in vivo.*

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- *What key experiments are missing that would clearly validate your target and/or disease indication?*
- *Are there disease specific assays, in vitro, 3D organoids and/or in vivo models, to validate/support the role of your molecule in this disease.*
- *Briefly describe any key assays developed/used to characterise the molecule of interest.*
- *Describe why and what it would take to obtain data to commercialise your project and how long this might take to generate, i.e. therapeutic/experimental tools/reagents and or KO/KI mice etc.*

12. Figure Upload Instructions

Please upload your two figures using your preferred file transfer platform (e.g., OneDrive, SharePoint, Google Drive, Dropbox, WeTransfer, etc.) and paste the shareable link below.

- **Each figure must be submitted as a separate PDF file.**
- **The legend for each figure must not exceed 800 characters (including spaces).**
- **Please name your files using your application name, followed by 1 and 2.**

Example:

JohnDuffy1.pdf

JohnDuffy2.pdf

Please ensure the file access permissions allow us to view and download the files.

13. Intellectual Property (1,100 characters max.)

- *Has an IDF or patent been filed in relation to this technology. If a patent has been filed, please provide application details and priority filing date*
- *Has this work been published or do you intend to publish this work in the next 18 months?*
- *Is there any risk that there could be freedom to operate issues i.e. that your IP/project might infringe on another patent?*

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