# McDonald Institute Frontier Research Venture Fund

# APPLICATION FORM

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| --- | --- |
| **Project Name:** |  |
| **Expected Completion Date** |  |
| **Applicants:***For each Investigator identified please attach the full CV or equivalent CV information* |
| **PRINCIPAL INVESTIGATORS:** *insert additional names as required* |
| Name and Title:Mailing Address:Email Address:Telephone: |
| **RESEARCH CO-INVESTIGATORS:** *insert additional names as required* |
| Name and Title:Mailing Address:Email Address:Telephone: |
| **RESEARCH ASSISTANTS (Technicians, Technologists, Engineers):** *insert additional names as required* |
| Name and Title:Mailing Address:Email Address:Telephone: |
| **TRAINEES:** |
| Name and Title:Mailing Address:Email Address:Telephone: |
| **PARTNER ORGANIZATIONS:** |
| Name and Title:Mailing Address:Email Address:Telephone: |

**Please outline in detail, the following:**

1. Objective of the research, its scientific case and key question(s) to be addressed and their relevance to the McDonald Institute’s mission and mandate.
2. Overview of the proposed research program and resources *(if extensive details are necessary, please submit as appendices)* including labs, technologies, sites.
3. Quarterly research deliverables expected and related detailed milestones, and timeframes to the end date of the program project, whichever occurs first.

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| --- | --- | --- |
| **DELIVERABLE** | **MILESTONE** | **DATE/TIMEFRAME** |
|  | Q1 |  |
|  |  |  |
|  | Q2 |  |
|  |  |  |
|  | Q3 |  |
|  |  |  |
|  | Q4 |  |

1. Participants and their roles and contributions (other researchers, trainees and partner organizations)
	1. Describe the related networking (identify the researchers including disciplines and areas of expertise, research institutes and post-secondary institutions that will be networked together) in order to collaborate on this project
	2. Partnerships: Identify the industry, government departments, not-for-profit or other partner organizations to be involved in the research project and their role. Briefly outline the value of the proposed research to these partners, and any associated cash and in-kind contributions.
	3. Contribution to training of highly qualified entrepreneurial people: Briefly summarize the number and level of trainees to be involved in the research, what their role will be, and the research and entrepreneurial experience/expertise afforded by involvement in McDonald Institute supported research. Also identify any relevant capacity building outcomes for other researchers and partner organizations.
2. Explain why accessing the McDonald Institute network is required to undertake this initiative.
3. The strategic relevance of the initiative and its potential for impact within the McDonald Institute’s goals, objectives and strategies.
* If applicable, describe the nature of the IP ownership arrangements that have been negotiated to date with external research partner organizations involved in the program project.
1. Program Project Management: Describe how the program will be managed and how the team will be coordinated.
2. Describe how you will actively engage diverse, equity-seeking groups (Women, Visible Minorities, Indigenous People, Persons with Disabilities), and any steps you have taken to ensure an equitable and inclusive research environment.
3. Complete a budget projection with costs delineated. Include any quotes available (airfare, accommodations, etc.) to support the budgeted amount.

*Note that the budget table below specifies the direct costs of the research project. Recipients are also eligible to claim the corresponding Indirect Costs amounts calculated at 25% of the total grant or 33% of direct costs. These funds are subject to different eligibility criteria (found here:* [*https://www.rsf-fsr.gc.ca/administer-administrer/expenditures-depenses-eng.aspx?pedisable=true*](https://www.rsf-fsr.gc.ca/administer-administrer/expenditures-depenses-eng.aspx?pedisable=true)*) and must be used to support the direct cost of the FRVF.*

*To access these funds in addition to the direct grant, please provide a supplementary budget for indirect costs. Payment of indirect costs will be made on invoice and related to actual indirect costs of research as outlined in the CFREF Administrative guide.*

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| --- | --- | --- |
|  | **Budget Item:** | **Total Budget Request:** |
| 1. | Salaries and Stipends (Follow Tri-Agency Rates and Guidelines for Stipends, eligible costs) |  |
| 2. | Operation of Labs or Core Facilities (please specify) |  |
| 3. | Equipment |  |
| 4. | Materials and supplies (please specify) |  |
| 5. | Computing Costs |  |
| 6. | Travel Expenses |  |
| 7. | Administrative costs (teleconferences, mailings/courier, faxes, photocopying) please specify |  |
| 8. | Project management and networking |  |
| 9. | Technology Transfer/Commercialization |  |
| 10. | Knowledge Mobilization/Dissemination (specify) |  |
|  | **Total Funds Requested from the McDonald Institute:** |  |
|  | **Total Funds Provided by Other Partners:** *(specify)* |  |
|  | **TOTAL FUNDING** |  |

**Completed applications should be sent to****admin@mcdonaldinstitute.ca** **with the subject line "FRVF Round 5 – {Applicant's Last Name}" by 4.30 pm EDT on April 08, 2022.**

**Review Matrix for Frontier Research Ventures Fund (FRVF)**

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| --- |
| Review Matrix Template  |
| Reviewer Name: |   |
| Application Number: |   |
| Applicant Name:  |   |
|  |  |  |  |  |
| Criteria | Score(0 – 5) | Weight | Weighted Score | Notes |
|  |
| **Scientific Merit & Expected Impact:** |  |
| Activity is well aligned with the research directions of the MI: Activity is well aligned with the research directions of the MI.The research will promote the integration into existing projects or future astroparticle physics projects (in experimental or theoretical programs) within and across the MI Research Portfolio |   | 2 | Multiplier: 0 no alignment, 2 excellent alignment, 1 partial alignment |   |  |
| The research is scientifically robust and will contribute to the achievement of MI mission which is to “innovate research and development in science, engineering, and business” in the realm of astroparticle physics. |   | 2 | 0 |   |  |
| The research has the potential for impact in the field and within the McDonald Institute's goals, objectives and strategies |   | 2 | 0 |   |  |
| **Special Opportunity requires this applicaction to be supported by this Fund** |  |
| The research will focus on a complex research question(s) that cannot be readily addressed without a networked research approach and would be unlikely to be funded by the Granting Agencies at this juncture. (Special Opportunity afforded by the fund)  |   | 1.5 | 0 |   |  |
| The research will involve more than one disciplinary expert (Interdisciplinary team) |   | 0.5 | 0 |   |  |
| **Strength of the Research Team** |  |
| The research team has appropriate experience, access to necessary resources, and availability of time to be successful  |   | 2 | 0 |   |  |
| The research will offer unique opportunities for the development of the next generation astroparticle physics experimental researchers and/or professional development opportunities (contributes to the development of HQP) |   | 1 | 0 |   |  |
| The research will involve researchers from multiple institutions (Networked research team) and the McDonald Institute network is required to undertake this initiative |   | 0.5 | 0 |   |  |
| The research will involve end users of the results in the project - planning, undertaking and supporting the project with cash and/or in-kind resources (Partnered) |   | 0.5 | 0 |   |  |
| **EDI considerations** |  |
| Equity, Diversity, and Inclusion considerations include the applicant’s efforts in creating an equitable environment, a plan to attract diverse candidates, training opportunities for all, and accommodations. |   | 1 | 0 |   |  |
| **Reasonable Budget and Realistic Timeline** |  |
| The budget requested is appropriate and aligns with current market values |   | 1 | 0 |   |  |
| The proposal outlines detailed deliverables and milestones within a realistic timeframe |   | 1 | 0 |   |  |
| The management and coordination of the project has been considered and is clearly outlined |   | 0.5 | 0 |   |  |
| **Total Weighted Score** |   | 17.5 | 0 | Overall Comments |  |
|  |
|   |   |   | 0.00% |   |  |
| Criteria |   |   |   |   |  |
| 0        did not address the criteria |   |   |   |   |  |
| 1        provided partial information, but it was minimal and the case being made was weak. |   |   |   |  |
| 2        Provided adequate information, but the case being made was weak. |   |   |   |  |
| 3        Provided partial information, but the case being made seems strong. |   |   |   |  |
| 4        Provided adequate information and the case being made is strong |   |   |   |  |
| 5        Provided adequate information and the case being made is excellent. |   |   |   |  |
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|   |   |   |   |  |