



Arthur B. McDonald
Canadian Astroparticle Physics Research Institute

McDonald Institute Frontier Research Venture Fund Guidelines

Consistent with the Arthur B. McDonald Canadian Astroparticle Physics Research Institute (McDonald Institute (MI)) goal of maximizing the scientific output from the suite of experiments that are currently operational or under development, at SNOLAB or internationally, the Canadian astroparticle physics community are invited to apply for a funding opportunity (maximum of **\$100,000**), to be used within a 12-month period. Proposals that seek funding in the following areas are invited to apply:

1. Unique capacity building/training/professional development opportunities within existing research projects.
2. Seed funding of new research and development initiatives to build new teams or enable proof of principle that will lead to follow-on funding from other sources of research support.

MI will consider strategic initiatives with broad applications, including:

- a. Contribute to the achievement of MI mission which is to "innovate research and development in science, engineering, and business"
- b. Promote the integration into existing projects or future astroparticle physics experiments within and across the MI Research Portfolio
- c. 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;
- d. Involve researchers from multiple institutions (Networked research team);
- e. Involve more than one disciplinary expert (Interdisciplinary team);
- f. Involve end-users of the results in the project – planning, undertaking, and supporting the project with cash and/or in-kind resources (Partnered); and/or
- g. Offer unique opportunities for the development of the next generation astroparticle physics experimental researchers and/or professional development opportunities (contributes to the development of "Highly Qualified People" (HQP)).

APPLICATION PROCESS

Applications are open to the Canadian astroparticle physics research community. Your application must include:

1. The goals and objectives of your proposal.
2. Participants and their roles and contributions (other researchers, trainees, and partner organizations).
3. Consistency of your proposed initiative with McDonald Institute's mission and goals (see mcdonaldinstitute.ca for additional background about MI's goals).
4. How the research will be undertaken (method, platforms, technologies, sites, and

milestones)

5. The strategic relevance of the initiative and its outputs and impacts to research, society and/or the economy.
6. Explain why the McDonald Institute is required to undertake this initiative.
7. A budget.

Additional information, modifications to your proposal, or budget may be sought prior to a final decision. A formal decision will be communicated to each applicant in writing within a month of the competition's close. Where additional information is required, the duration of the approval process may be extended.

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.**