



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”, the Canadian astroparticle physics community are invited to apply ‘in-year’ for funding opportunities. The anticipated annual budget was approximately \$140,000/yr with funding to be used within a 12-month period. Proposals that seek funding in the following areas are invited to apply:

1. Programmatic or Network-level research partnership development initiatives.
2. Unique capacity building/training/professional development opportunities within existing research projects.
3. 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.

Among the review criteria, MI will consider strategic initiatives with broad applications across the following list:

- 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. Should you wish to apply for Frontier Research Venture Funding, please follow the steps below:

Step 1: Discuss the idea with the relevant collaborator(s)

Step 2: Submit an expression of interest proposal, to the McDonald Institute, outlining:

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 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.

Step 3: Additional information may be requested if the information provided is deemed by the MI administrative staff to be insufficient for the Scientific Advisory Committee (SAC) to make a decision on your request.

Step 4: The SAC will review urgent requests at their fall meeting (Sept-Oct) and non-urgent requests at the summer meeting (June-July) either by teleconference, email circulation or in a face-to-face meeting.

Step 5: Additional information, modifications to your proposal, or modifications to the budget may be sought prior to a final decision being made in each case.

Step 6: A formal decision will be communicated to each applicant in writing by the Scientific Director or Managing Director. The Administrative Centre will make every effort to respond to each request within a period of two weeks from SAC meeting. Where additional information is required, the duration of the approval process may be extended.

Submissions will be reviewed on a case-by-case basis. Applications can be submitted at any time throughout the research funding year and will be considered at the quarterly Scientific Advisory Committee meetings.