



iPRIME Seed Proposal

Call for Proposals: 2022-2023 iPRIME Collaborative Seed Grants

The Prominence-to-Preeminence (P2PE) STEM Targeted Initiative, Immunology, Imaging, and Informatics for Precision Immunomedicine ([iPRIME](#)) in Cardiovascular Diseases (CVD) announces a call for Collaborative Seed Grants to support innovative projects that will contribute to UVA's preeminence in precision immunomedicine in CVD. To catalyze multidisciplinary research, iPRIME encourages applications from UVA Faculty from at least 2 different departments and schools.

Our goal is to advance discovery and clinical/translational research linked to CVD, with an emphasis on precision immunomedicine. Proposals that integrate Immunology, Imaging and Informatics are especially welcomed. The research proposed should be novel, transformative, and differentiating for UVA. The expectation is that successful teams will use these seed funds to generate data and secure external funding. iPRIME will assist collaborative teams in identifying and pursuing additional funding opportunities.

Available Funding

Approximately four two-year awards of \$50K per year. Funding will be awarded in December 2022 and July 2023.

Eligibility

We invite all UVA investigators who are eligible to apply for external funding to submit proposals. We will accept submissions from collaborative teams which include two or more lead investigators in different UVA disciplines, departments and/or schools.

Evaluation criteria

The [iPRIME Collaborative Seed Grant](#) proposals will be evaluated on the proposals' potential to:

1. Impact, transform, and advance the future of precision immunomedicine for CVD.
2. Foster new interdisciplinary collaborations and leverage the strengths/scientific expertise of individual team members to perform innovative research.
3. Lead to external funding to sustain the proposed research and/or support translation of an innovation into practice.

Proposal Format and Guidelines

Submit all documents as a single PDF via email to mrd5f@virginia.edu

1. Cover page with project title and names of principal investigators, co-investigators, collaborators, and trainees with departmental and school affiliations.
2. Research proposal (6 pages maximum, 0.5-inch margins, 11-point Arial font, single-spaced, excluding references) should include the following:
 - Specific aims/objectives.
 - Significance and impact of the proposal to precision immunomedicine and CVD.
 - Background and preliminary findings.
 - Research plan including expected outcomes and alternative approaches.
 - Detailed approach for bioinformatics and/or statistical analysis.
 - Description of the datasets, especially genomic/functional genomic data (e.g., CyTOF, WGS/SNP, RNA-seq scRNA-seq, ATAC-seq, etc.), that will be analyzed. This could include data that will be generated from iPRIME samples as well as data that has been generated by the PI's lab and/or is publicly available.



- A timeline outlining semiannual research milestones.
 - Future directions articulating how this seed grant will provide data to obtain external funding. Be as specific as possible in the plan for follow-on funding, including information on previous related applications and outcomes, agencies, and funding opportunities.
 - If this is a resubmission, applicants may include an additional 1-page summary of changes made in response to reviewers' comments.
3. NIH-style biographical sketch including current and pending support for each lead investigator, co-investigator, and collaborator.
 4. Budget and justification. Maximum budget is \$50K per year. Provide amounts and justification for all major line items including personnel. Successful proposals may be funded at less than the amount requested. Allowable costs include supplies and salary support for UVA staff and trainees. Purchase of equipment, and travel to conferences are not allowed. The proposed budget must not have scientific or budgetary overlap with currently funded projects.
 5. Research involving human subjects, animals, recombinant DNA, or radiation must be approved by appropriate UVA committee(s) before the onset of the project.

Post-Award Expectations

1. Two-page progress reports, due at 12 and 24 months into the project period. The report will include a summary of the scientific progress and a list of resulting abstracts, publications, and grants submitted and awarded.
2. Data generated can be stored in the UVA Research Commons for future use by Investigator(s) and their collaborators.
3. If continued iPRIME support through scientific, administrative (e.g., CRCs for IRB protocol development and maintenance, patient enrollment, etc.) technical (e.g., CyTOF panel development, biospecimens processing and preservation), bioinformatic (high-dimensional data analysis such as mass cytometry, bulk-RNA seq, and single-cell RNA seq) and biostatistical support is needed, awardees will be expected to budget those iPRIME services, resources, and personnel in their future proposals for external funding.
4. Awardees will be expected to present their research at iPRIME events.
5. Awardees must acknowledge iPRIME support in any scholarly product (abstracts, posters, oral presentations, manuscripts, etc.) resulting from this grant.
6. iPRIME projects will be posted on the iPRIME website.

For questions regarding proposal preparation, submission, or any other inquiry, please reach out to the Program Administrator (Mike Davis, mrd5f@virginia.edu), or visit the [website](#).