iPRIME Fellowship Awards 2022-2023
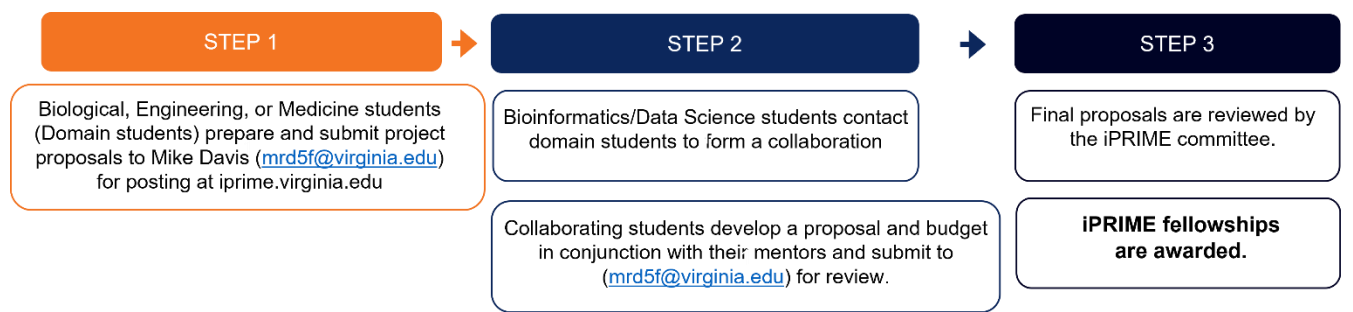
The **i**mmunology, **i**maging, **i**nformatics **Pr**ecision **Im**muno**Me**dicine (iPRIME) initiative announces our iPRIME Fellowship Awards. This award will support innovative collaborative projects between students in biological and medical sciences and students in data science.

The goal of our iPRIME Fellowship Awards is to facilitate the training of the next generation of scientists and caregivers prepared to apply precision immunomedicine concepts and approaches to their study and care of patients with cardiovascular disease (CVD). The iPRIME Fellowship Awards will catalyze collaborations between biological science, medicine, engineering, and data science by providing trainee stipend support and project costs.

Who should apply? Students interested in the biological, medical, engineering and data sciences domains of precision immunomedicine for CVD.

How to apply? Student proposals from biological, medical, and engineering domains, approved by their faculty advisors, should be submitted to our Program Administrator, Dr. Mike Davis (mrd5f@virginia.edu). These will be posted on our iPRIME website where interested data science students can view them. Interested data science students can reach out to the students in the biomedical domains to discuss forming a project together. The students meet together, under the guidance of their faculty advisors to write a final proposal for review by the iPRIME Executive Committee.

Application Process Overview

STEP 1	STEP 2	STEP 3
Biological, Engineering, or Medicine students (Domain students) prepare and submit project proposals to Mike Davis (mrd5f@virginia.edu) for posting at iprime.virginia.edu	Bioinformatics/Data Science students contact domain students to form a collaboration	Final proposals are reviewed by the iPRIME committee.
	Collaborating students develop a proposal and budget in conjunction with their mentors and submit to (mrd5f@virginia.edu) for review.	**iPRIME fellowships are awarded.**

Available Funding
One year of stipend support plus $15K in project costs.

Format and Guidelines for Initial Domain Student Proposal For the Website: One page
1. Significance and impact of the proposal to precision medicine and CVD.
2. Background and preliminary findings, if any.
3. Plan for the generation of data that would need data science/bioinformatics expertise.

Final 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 trainees(s) involved in the project, their department, current year of training, and brief justification for extent of stipend support and project funds.
2. Research proposal (3 pages maximum, 0.5-inch margins, 11-point Arial font, single-spaced, excluding references) should include the following:
   - Specific aims/objectives.
   - A 300-word abstract
   - Significance and impact of the proposal to precision medicine and CVD.
   - Background and preliminary findings, if any.
   - A timeline outlining semiannual research milestones.
   - Research plan including expected outcomes and alternative approaches.
   - General approach for any required data science/bioinformatics expertise-areas needed to expand or continue the current project. Technical details including specific tools or analytic/mathematical/experimental methods do not have to be included in the proposal. This should also clearly state how the required expertise will advance the student's project.
3. A letter of support from all of the students' advisors outlining their ability to complete the project within the required timeline and a current CV from the faculty advisors and students.

Application Timeline

- **3/14/23** - One-page Domain Student Proposal for website (iprime.virginia.edu)

- **3/28/23** - Domain proposals posted on iPRIME website & iPRIME team will contact Bioinformatics/Computer Science programs

- **6/2/23** - Three-page proposal deadline

- Awards will be announced in **August 2023**

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. Awardees will be asked to present their research at iPRIME events.
3. Awardees need to acknowledge iPRIME support in any scholarly product (abstracts, posters, oral presentations, manuscripts, etc.) resulting from this grant.
4. Awardees will allow iPRIME to showcase their research projects on the iPRIME website.