



## **iPRIME Fellowship Awards**

The immunology, imaging, informatics **Precision ImmunoMedicine** (iPRIME) initiative will support innovative collaborative projects between students in biologic and medical sciences with students in data science.

The **goal** of these awards is to facilitate training of the next generation of scientists and clinicians applying Precision Immunomedicine concepts and approaches to their study and care of patients with cardiovascular disease (CVD). We aim to catalyze collaborations between biological science, medicine, engineering, and data science by providing trainee support and project costs.

**Who should apply?** Students interested in the biological, medical, engineering and data sciences domains of Precision Immunomedicine in CVD.

**How to apply?** Student proposals, approved by their faculty advisors, should be submitted to Dr. Jessica Allen ([jessica.allen@virginia.edu](mailto:jessica.allen@virginia.edu)). Applications are submitted on a rolling basis.

Our vision for forming cross-discipline and/or cross grounds collaborations is to have interested students in the biological, medical, or engineering field to prepare and submit project proposals. These will be posted on our iPRIME website where interested students in Bioinformatics or Data Science can view. We encourage interested student collaborators to meet and develop a proposal plus budget request in conjunction with their mentors. The completed proposal is submitted to iPRIME and reviewed by the committee. Our iPRIME team is also fully committed to assisting with forming collaborations where possible.

**What is awarded?** One year of trainee wage support per student plus \$15K in combined project costs.

### **Format and guidelines for collaborative student proposal (no more than 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.

### **Cross-discipline and/or cross-grounds collaborative proposal format and guidelines:**

Submit all documents as a single PDF.

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 the students' advisors outlining their ability to complete the project within the required timeline plus a current CV from the faculty advisors and students.

### **Post-Award Expectations**

1. 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.