

2025 RI-INBRE Pilot Project -Data Science (PP-DSC) Awards

Funding Opportunity Announcement (FOA)

Program Goals and Award

The primary goal of the RI-INBRE Pilot Project-Data Science (**PP-DSC**) funding mechanism is to stimulate the use of data science tools to perform biomedical research. Funds should be used to support data science approaches in individual research projects and/or support infrastructure investments that will benefit the research programs of multiple investigators. **Priority will be given to proposals that generate and/or process data sets using big data tools and which demonstrate future promise of resulting in publications and/or competitive grant applications.** Applicants may request up to **\$25,000** in direct costs. Funds must be used in the budget period **November 1, 2025 – April 30, 2026**. Funds may be used for equipment, supplies, infrastructure, and compensation for students and the investigator.

Eligibility

All investigators at RI-INBRE network institutions are eligible to apply. Research proposals must be biomedical. Applicants cannot be recipients of RI-INBRE awards for 2025-26 or receive simultaneous funding from another NIGMS IDeA program, e.g., COBRE or Advance-CTR. **Note: Prior to submissions, all applicants are required to discuss proposals with Chris Hemme, Director of the Data Science – Molecular Informatics Core.** We also recommend that you consult with your RI-INBRE Executive Committee Representative, your Office of Sponsored Projects, and your Information Technology office as you prepare your application and budget.

Proposal Preparation and Submission Instructions

Please assemble your proposal in the following order. Save your document as a single PDF file with the signed Face Page as the front page and upload the file to <https://tinyurl.com/RI-INBRE-Full-2025-2> by **11:59 pm on Friday September 26, 2025**.

Form Page 1: Face Page. The completed Face Page with a signature is required. Only an institutional official with a formally designated or delegated authority to sign on behalf of the organization may sign the form. The signature must be dated. In signing the application Face Page, the Authorized Organization Representative of the applicant organization certifies that the applicant organization will comply with all applicable policies, assurances and/or certifications referenced in the application. The Face Page should be the front page of the PDF you submit. Up-to-date forms can be found at <http://grants.nih.gov/grants/funding/phs398/phs398.html>.

Proposal: A detailed description of your project is not necessary, but you should provide enough detail that reviewers can evaluate the biomedical importance of your research question, how your approach will address the question, and how PP-DSC funding will be used to stimulate data science approaches in your research program. Applicants must identify a Pilot Project mentor who can serve as a resource for the project. **Proposals should be completed using the 2025 RI-INBRE PP-Data Science application form.** Applicants should use 11pt Arial font and should not modify the RI-INBRE logo or the margins of the form. A font size of 9pt may be used for figure legends.

- **Scientific and Proposal Overview:** Briefly describe the rationale for the project, the aims of the

proposed research, the approach to be used, and the potential impact of this study. Proposed work should be executable within the six-month timeframe of the award.

- **Outcomes of PP-Data Science Funding:** Describe the impact that PP-DSC funding will have in advancing data science approaches in your research program. This section should contain your budget justification.
- **PP-Data Science Proposal Budget:** In the budget table provided on the PP-DSC application form, list the direct costs of items in your PP-DSC budget and provide the total direct costs requested.

Projects Involving Vertebrate Animals or Human Subjects (if applicable):

To receive a 2025 RI-INBRE PP-DSC award, relevant IACUC and/or IRB approvals must be, without exception, fully completed and in place by the project start date.

Data Management and Sharing:

All proposals must commit to complying with the RI-INBRE Data Management and Sharing Plan (<https://web.uri.edu/riinbre/mic/mic-data-policies/>), NIH/Federal Public Access Compliance/Data Management policies, and FAIR data practices (<https://www.nature.com/articles/sdata201618>) including but not limited to: deposition of data resources into public repositories, proper handling of personally identifiable data, use of human and machine-readable data formats, etc. Please see the MIC Data Policies page for more information.

Proposal Review

Proposals will be reviewed based on their alignment with the RI-INBRE biomedical research mission and the potential for developing data science-focused research programs and building data science capacity.

Note: Investigators selected for PP-DSC funding must submit additional PHS398 materials, including an NIH Project Summary, a detailed NIH budget, and a NIH biosketch.

Contact Information

Please direct all questions to Brett Pellock (bpellock@providence.edu), RI-INBRE Program Coordinator.