

Shot-gun Proteomics Seed Grant Program

All questions should be directed to Dr. Joshua S. Yuan, Professor and Chair of Synthetic Biology and Renewable Products; Director, Systems and Synthetic Biology Innovation Hub. syuan@tamu.edu and 979 845 3016

Texas A&M University has funded the establishment of Systems and Synthetic Biology Innovation Hub (SSBIH) to serve as a driving force to lead and enable interdisciplinary research projects in campus. In particular, Vice President of Research office has tasked Dr. Joshua Yuan to lead the development of the university RDF-funded SSBIH as an 'intellectual core' for systems and synthetic biology research. The primary mission of SSBIH is to promote interdisciplinary research and grant applications. We thus aim to facilitate campus-wide collaborations, build scientific excellence, and develop major research initiatives. In addition, the technologies of Systems and Synthetic Biology Innovation Hub can be accessed through service and instrument usage. The standard fees for shot-gun proteomics and instrument usage are available. With the recent support from Texas A&M Agrilife Research, we hereby release this Proteomics Seed Grant RFP to promote the usage of the cutting-edge shot-gun proteomics capacity at SSBIH. We have established MudPIT-based shot gun proteomics, which can be broadly used to study biological and biomedical questions. **The Goal of this RFP is to provide preliminary proteomics data for AgriLife Scientists to compete for future federal and other grants.** The first round of the program will fund up to 3 projects. Each project shall include two biological samples. With the triplicates, we will provide six label-free MudPIT shotgun proteomics runs (each run at a value over \$1,400). Sample preparation and bioinformatics data analysis should be coordinated with Dr. Joshua Yuan at implementation stage (see Budget and Planning). Proteomics with labelling method and other proteomics-based platform will be available in future rounds of seed grant programs. *The RFA only provides free proteomics service; no additional funds shall be requested through this program.*

Criteria for the Evaluation of Proposals:

Proposals will be accepted from individuals or teams of researchers. This RFP is an opportunity to generate preliminary data needed to facilitate federal grant application and multidisciplinary collaborations. A committee will be assigned to evaluate all seed grant proposals. The proposals will be evaluated based on novelty, impact, and likelihood to leverage future federal and other grants.

Who is Eligible to Submit a Proposal:

Principal Investigators: Scientists who hold appointments (including joint appointments) with AgriLife Research may serve as a PI on any proposal. There should be one PI per proposal.

Co-PIs: Scientists holding appointments (including joint appointments) within the Texas A&M System are eligible to serve as Co-PIs on proposals.

Collaborators: Involvement of collaborators from other agencies and/or universities that enhance the competitiveness of a proposal is allowable.

Budget and Planning: Prior to submission, applicants can contact Dr. Joshua Yuan (syuan@tamu.edu) to determine the technology and services that are available and how they can best be used to meet the research goals. After selection, the project team should work with Dr. Joshua Yuan and the SSBIH team to work out detailed work plan, which includes sample preparation, proteomics analysis, and data analysis. The relevant cost recovery will be reported to Texas A&M Agrilife Research.

Deadline to Submit Proposal: Proposals are due no later than **5:00 PM on December 15th, 2018**. Please submit a combined PDF document to syuan@tamu.edu with '**Proteomics Seed Grant**' in subject line.

Award Notice: Successful proposals will receive notification after Feb. 1st, 2019. All projects will begin March 1st, 2019 and end September 30th, 2019.

Proteomics Seed Grant Program FY2016-FY2017
Proposal Section not to exceed One Page

Proposal Section (1 Page)

Title:

Principal Investigator:

Co-Principal Investigator(s):

Collaborator(s):

Objectives

:

Plan of Work:

Research Impact:

PI must describe how these preliminary data will lead to federal and other grant proposals, identifying target federal agency, program, and/or private sector sources of additional funding to be sought. General statements of intent to apply for major grants will disqualify applicants for a seed grant.

Selected References (1 pages)

Appendix: 2-page biosketch for each PI, CoPI(s) and collaborators