Stanford University Mass Spectrometry (SUMS) Seed Grant Request for Proposals

Source of funds: SUMS Affiliate Program

Overview: The objectives of the SUMS Seed Grants are to encourage new mass spectrometry projects and new methodologies, and to generate pilot data in support of research proposals for external funding agencies. Exciting, groundbreaking research happens where different fields, technologies and knowledge come together.

This program will offer awards in three research categories:

- DIA, targeted ‘omics, PTM discovery & quantitation supported by Sciex
- Mass spectrometry imaging supported by Waters
- Advancing proteomics data analytics supported by Protein Metrics

With this call, SUMS is particularly interested in exploring new tools and technologies within the mass spectrometry space to meet the evolving needs of researchers. By partnering with our SUMS Affiliate sponsors, we are able to make additional tools available to awardees. Therefore, each proposal should highlight the transformative potential the selected technology would have on your research. Additionally, projects in support of emerging mass spectrometry-related research areas, early phase investigations, and preliminary data for extramural proposals will be given priority.

Applicants are strongly encouraged to discuss projects with SUMS staff before proposal submission.

Eligibility: Stanford University Academic Council members and Medical Center Line (MCL) faculty. Projects must be new to SUMS, rather than a continuation of an existing project with SUMS. One proposal per PI. Each proposal must select one of the three research categories to pursue.

Selection: For consideration, proposals should be submitted to SUMSseedfunding@lists.stanford.edu. Maximum seed request is $7,500. Matching funds are required, minimum 1:1. The funding will be applied toward SUMS user fees. Additional funding beyond the match for reagents, materials, cell culture, etc. can also be mentioned as appropriate. Awardees will present their seed projects at the annual SUMS Research Applications Symposium.

Proposals: Proposals should be concise and practical – maximum of 2 pages, organized as follows:

1. Project Title and research category; PI, and PI lab lead contact
2. Project background and significance of new technology on your project
3. Seed project goals
4. Experimental design, methods
5. Budget
   a. Required: requested seed funds ($7.5K max) & PI matching funds – to cover SUMS staff & instrument time
   b. Optional: Additional PI lab investment – supplies, reagents, etc.
6. Timeline for project start and completion
7. Prospective outcomes, e.g. potential for future mass spec-based work, broadly useful methodology, sharing a unique approach, new application area, publications, presentations, preliminary data for external grant proposal

Dates: Proposals will be accepted until March 8, 2021. Awards will be made in March 2021.