



## 2022 Partnerships for Research and Education in Chemistry (PREC) with NSF's ChemMatCARS

### CALL FOR PREPROPOSALS

NSF's ChemMatCARS (<https://chemmatcars.uchicago.edu/>) at the Advanced Photon Source (APS) of Argonne National Laboratory (ANL) is seeking candidates to form partnerships for research and education in chemistry, in response to the solicitation for Partnerships for Research and Education in Chemistry (PREC), released on September 15, 2021, from the Division of Chemistry (CHE), NSF (<https://beta.nsf.gov/funding/opportunities/partnerships-research-and-education-chemistry-prec>). The PREC program will fund partnerships between minority-serving institutions (MSIs) and CHE-supported research centers/facilities, such as NSF's ChemMatCARS.

Interested faculty members from MSIs should submit a preproposal to NSF's ChemMatCARS by **November 5, 2021**. Selected faculty members will be invited to form a partnership for submission of the PREC proposal due on Jan 21, 2022.

**Application Deadline: November 5, 2021**

### Eligibility

Eligible minority-serving institutions are defined within the PREC program solicitation, NSF 21-620, (<https://www.nsf.gov/pubs/2021/nsf21620/nsf21620.htm>). Please review the eligibility criterion carefully. One proposal is allowed per lead institution.

### Preproposal Documents

1. Curriculum vitae.
2. Confirmation of the eligibility of your institution and the number of faculty members applying from your institution (an email from the administration of your institution will suffice).
3. Brief description of your institution (*1 paragraph*).
4. Brief description of your research program, including prior experience, if any, in synchrotron x-ray scattering (*1 paragraph*).
5. Preproposal (*1 page*):
  - Is your PREC proposal Track 1 or Track 2?
  - Provide a brief description of the research scope of the partnership with ChemMatCARS.
  - Describe how the partnership with ChemMatCARS will promote increased diversity in at least one component (for Track 1) or multiple components (for Track 2) of the PREC recruitment/retention/degree attainment pathway. Include the starting point and the desired end point (goal) of each component.
  - Describe your plans to continue the PREC program during the APS-U dark period (April 2023-April 2024) when synchrotron x-rays will not be available for experiments.

## **Selection and Notification**

NSF's ChemMatCARS will review the preproposals. Candidates will be notified of their preproposal status **by November 15, 2021**.

## **Inquiries and Preproposal Submission**

Direct inquiries and submit the preproposal via email to

**Prof. Binhua Lin**, Executive Director of ChemMatCARS, [blin@uchicago.edu](mailto:blin@uchicago.edu), (630) 252-0463.

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