



Access to the BioPACIFIC MIP platform is open to all researchers through a peer-reviewed, competitive proposal process.

- User proposals originate from researchers outside of UCSB and UCLA
- In-House research proposals originate from UCSB and UCLA researchers working on the In-House research program
- Local proposals originate from UCSB and UCLA researchers not involved with the In-House research program

All proposals will be reviewed for feasibility by the BioPACIFIC MIP technical team

User proposals, local proposals, and sample requests will be reviewed for merit by a rotating committee of BioPACIFIC MIP users from the broader community

In-House Proposals will be reviewed by the BioPACIFIC MIP leadership

BioPACIFIC MIP Proposal Content Guidelines

BioPACIFIC MIP Proposals should be uploaded as one or more PDFs, covering the items below:

(1) Project Description, including references, addressing the items below if relevant (up to two-pages):

Intellectual Merit and Synergies

1. Motivation
2. Project Description or Sample/Service/Data Request Description
3. Description of the scope of work and technical milestones
4. What work will be performed at your home institution(s) to support the proposed project
5. Desired outcomes, including products such as publications, patents, or follow-on proposals
6. Material and/or data needs and characteristics (*Only required for Sample and Data Requests*)

Broader Impacts and Synergies

1. Knowledge to be contributed to the BioPACIFIC MIP community
2. Materials to be added to the BioPACIFIC MIP libraries (if any)
3. Data to be added to BioPACIFIC MIP databases
4. Collaborations with BioPACIFIC MIP Faculty/Staff/other (if any)
5. Collaborations with groups outside of BioPACIFIC MIP that may leverage the results of this work
6. Team, qualifications, and contribution to NSF/BioPACIFIC MIP broader impact goals

(2) Two-Page NSF-style CVs for the Lead PI and Co-PIs.

Project Proposals should be uploaded at <https://biopacificmip.org/users/new>.

Proposals should not include confidential information.

As part of the proposal submission, users are asked to provide a project summary and graphical abstract that will be posted on the BioPACIFIC MIP website, should the project be approved.



Merit Review

User and local proposals will be reviewed by an external committee via the form below. ***This form will be returned to the proposer without modification.***

- ☐ I certify that I have **NO** Conflict of Interest with this proposal
☐ I have a Conflict of Interest with this proposal. *Contact BioPACIFIC MIP immediately; do not complete review*

Conflict of Interest situations, per NSF guidelines. 1) Present or past Ph.D. Student or Advisor, 2) collaboration within the last 48 months, 3) co-editor within the last 24 months, 4) Any other circumstance where impartiality could be questioned. Reviewers are expected to self-disclose conflict of interest situations, and furthermore are expected to not disclose and benefit from non-public information.

Intellectual Merit (IM) (potential to advance knowledge within the field or across different fields) Does the proposal contain creative, original, or potentially transformative work, such as the development of new tools or methods?	
Broader Impacts (BI) (potential to benefit society or advance desired societal outcomes) Does the proposed work align with BioPACIFIC MIP and NSF program priorities for broader impacts?	
Reviewer Score IM (1-5, 5 highest)	Reviewer Score BI (1-5, 5 highest)
Comments on IM and BI (required):	
Synergistic Factors 1. Alignment of project scope with BioPACIFIC MIP focus. 2. BioPACIFIC MIP capabilities are critical to the success of the user project. 3. Level of user participation and commitment ensures project success.	
Overall Synergies Rating: <input type="checkbox"/> Strongly Synergistic <input type="checkbox"/> Synergistic <input type="checkbox"/> Not Clearly Synergistic	
Explanation of Synergies Rating (required):	

Scoring

- 5 Proposal is of high quality and must be pursued
- 4 Proposal is of good quality and access should be granted
- 3 Proposal is acceptable, and access should be granted at BioPACIFIC MIP's discretion
- 2 Proposal has minimal merit and access should be low priority; marginal scope; marginal equipment match
- 1 Proposal has little merit and access should not be granted; out of scope; not suitable for available resource

BioPACIFIC MIP Scope

Scalable production of bio-derived building blocks and polymers from yeast, fungi, and bacteria. Automated high-throughput synthesis and characterization of bio-derived polymers for accelerated discovery and development of new high-performance materials.



Research Plan and Feasibility

In order to assess the project scope and feasibility, applicants will complete a short-answer webform addressing the following questions. This information will only be reviewed by the BioPACIFIC MIP staff and is not part of the material provided to the external review committee.

Answers should not include any confidential information.

Research Plan

- Portion of the BioPACIFIC MIP Platform to be used; specifying which resource is required for each project goal detailed in the Project Description
 - Equipment – including contextual questions for certain instrumentation (see below)
 - Materials/Data needs and characteristics
 - Staff Engagement
- Requested access to shared facilities outside of BioPACIFIC MIP, if any
- What resources will be supplied by the applicant in support of this project, if any
- Safety Checklist (see below) including a brief description of any hazards
- BioPACIFIC MIP visit logistics
 - Personnel traveling to BioPACIFIC MIP
 - Desired timing for visit(s)
 - Desired duration for stay(s)

Safety Checklist

- Chemicals (MSDS rating of 4 in any category)
- Biological Hazards (biosafety level 2 or higher)
 - Recombinant DNA
 - Infectious agents
 - Select agents (listed on HHS select agent list)
 - Human or primate tissue or fluids
 - Other
- Radiological Hazards
- Nanomaterial Hazards
- Acute and/or Reproductive Toxins
- Controlled substances
- None
- Other

International Traffic in Arms Regulations (ITAR) or Export Administration Regulations (EAR)

- Does any of the work you plan on conducting at BioPACIFIC MIP have a defense related application or involve military inputs or outputs? More information at <https://www.research.ucsb.edu/export-control/about>