

**Deans, Assoc. Deans for Research, Center Directors, and Department Heads:
Please forward this information to the appropriate faculty immediately.**

Institutional Limit on Proposal Submissions

**National Institutes of Health
National Institute of General Medical Sciences (NIGMS)**

Title: PSI: Biology Knowledgebase (U01)

(RFA) Number: RFA-GM-10-004

<http://grants.nih.gov/grants/guide/rfa-files/RFA-GM-10-004.html>

**NIH Letters of Intent Deadline: June 17, 2009
Full NIH/NCMHD Proposal Deadline: July 17, 2009**

LIMITED SUBMISSION – ONE (1) PER INSTITUTION

Below is information about the National Institutes of Health PSI: Biology Knowledgebase (U01) for 2009. NIH limits the number of proposals an organization can submit, as described above. Therefore, if the number of preproposals exceeds that limit (1), an internal review will be conducted to determine which proposals will be submitted from Mississippi State University.

If you are interested in submitting a proposal to the NIH, a preproposal that includes the information listed below must be submitted to the Office of Research and Economic Development (ORED), electronically to Sandra Harpole at sharpole@research.msstate.edu and **copied** to Katie Echols at kechols@research.msstate.edu in the ORED office by **5 p.m. on Friday, May 29, 2009**. A committee of faculty members will screen applications and select the nominee to represent the University.

All preproposals must include:

1. Title of NIH Grant
2. Proposal Deadline
3. Title of Proposal
4. PI and Co-PIs with title and unit affiliation
5. Partner institutions/industries (if any)
6. One paragraph providing a brief description of the proposed activities.

Synopsis of Program:

This FOA solicits applications to maintain and enhance the [PSI-Structural Genomics Knowledgebase](#) in support of the NIGMS PSI: Biology initiative and other related programs. The Knowledgebase will be one component of the PSI: Biology network. The network will also include Centers for High-Throughput Structure Determination, Centers for Membrane Protein

Structure Determination, Consortia for High-Throughput-Enabled Structural Biology Partnerships, and the PSI-Materials Repository. As a central information portal, the Knowledgebase will play a critical role in outreach to make the PSI:Biological research output widely available to other scientists by maintaining key data on the operations of the PSI:Biological network and by providing links to a wide range of other information databases important to the community of biology researchers. The Knowledgebase will collect and organize in a readily useable manner a library of information of interest to both structural and non-structural scientists. The Knowledgebase will also enhance the impact of PSI:Biological research by promoting workshops to disseminate results and by soliciting input from the scientific community.

Established in 2007, the current [PSI-Structural Genomics Knowledgebase](#) serves as a portal to information developed by the PSI. This information includes links to protein structures deposited in the Protein Data Bank; protocols for cloning, expression, purification, and crystallization or preparation for NMR of genes whose structure has been undertaken by the PSI; a database of targets selected by the PSI and other structural genomics efforts around the world for structure determination; access to homology models prepared by other groups from template structures from the PSI; a list of structure and methods publications published by the PSI researchers; metrics of structural coverage for sequence families studied by the PSI; access to clones deposited by the PSI in the PSI Materials Repository; access to related publications, an entry portal for evaluating and proposing sequences for structure determination by the PSI; links to annotation data from other databases; and extensive education and outreach activities on behalf of the PSI. See the [PSI-Structural Genomics Knowledgebase](#) Web site for further information. The current Knowledgebase may be continued, transferred to a new provider, or supplanted by a new Knowledgebase as a result of this competition. The PSI-Structural Genomics Knowledgebase name may be changed. Ideas and rationale for name changes are welcomed, but the final decision will be made by NIGMS staff.

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