FY2014 ~ UM ORSP Internal Preproposal Form

NSF Major Research Instrumentation (NSF MRI)

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| **PI Name**  | **Position/Title** |
| **Department**  | **Research Specialty**  |
| **Campus Phone** | **E-Mail** |
| **Instructions:** Answer each of the questions by typing in the fields provided; spaces will expand as you type. Your summary may not exceed half a page and the final document may not exceed six pages.Please include ONLY the requested information ~ DO NOT include price quotes, participant vitas, or other material. Complete this form and send as email attachment to Jason Hale in the ORSP (jghale@olemiss.edu).Internal proposal is not accepted until acknowledged by ORSP. If in doubt, call x7583.**Review Criteria for All Proposals:**Importance to advancing knowledge & understanding Originality, creativity, and potential to be transformClarity of proposalUnderstandability of Summary to a general technical audienceCoherence of proposed activitiesSpecific details reflect well-considered approachesWill have sufficient access to resourcesWill substantially improve institutional ability to conduct leading-edge researchWill facilitate research experiences for undergraduate studentsWill involve under-represented groupsWill promote/enhance teaching, training, and learningWill involve faculty, students, and post-doctoral researchersWill be shared broadly sharedWill bring other broader positive impacts to societyResults will be disseminated broadly to enhance scientific and technological understandingCost share is reasonable, justifiable, and attainable by the requesting department, school, or centerInstrument will be kept maintained and operational for its expected useful lifespanFor resubmissions, is responsive to specific reviewer comments & suggestions**Additional Review Criteria for Acquisition Proposals:** Extent of shared use Includes sufficient infrastructure and technical expertise for effective usageProvides sufficient commitment for operations and maintenanceRequest for operations and maintenance is justified and reasonable in magnitudeIncludes plans for using the new or enhanced capability in research and research training**Additional Review Criteria for Development Proposals:** Management plan has a realistic, detailed schedule Mechanisms in place to deal with potential risksAvailability of technical expertise to construct the instrumentAppropriateness of costResearch team’s need to develop a new instrument (e.g., enhanced performance over existing instruments)Extent of need for the new instrument in larger community justifies development  |
| 1. **List of UM Participants and Their Departments:**

 If you need more space, continue on a separate sheet (not counted in 6-page limit).If you anticipate subcontracts to participants outside UM, list them on a separate sheet (not counted in 6-page limit). |
| 1. **Project Summary [limit to this space only]:** Briefly describe the proposed major research instrumentation, the type of research and/or research training it will enable, and the activities that would result if NSF funds the project.
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| 1. **Research Activities:** Briefly describe the research and research training activities and projects that will be enabled with the desired instrumentation, and sources of support, if any; include types of personnel who will use the instrumentation for research and research training on a regular basis.
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| 1. **Description of the Research Instrumentation and Needs:** Provide a brief description of the requested instrumentation, including manufacturer and model number where appropriate; include description of related instrumentation currently available at or near UM. For development of new instrumentation, briefly present the design concept, rationale, and development methods.
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| 1. **Impact on Research and Training Infrastructure:** Briefly describe how the instrumentation will contribute to meeting the research and research training goals and capabilities of the participating organizations (and the Nation as appropriate).
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| 1. **Management Plan:** For instrument acquisition this plan should outline maintenance and operation projections. For instrument development this plan should discuss the design and construction phases of the project.
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| 1. **Budget and Funding:** *ESTIMATE* and briefly explain anticipated project costs. Briefly address source(s) of required cost-share (30% of the total project cost, which is about 43% of the amount requested from NSF).
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| 1. **Long-Term Maintenance Plan:**  Where will this instrument be housed? What is its expected useful lifespan? What will be the annual and total cost to the institution of maintaining the instrument in operational mode after the grant period ends and until its expected end-of-life; who will be responsible for bearing these costs; and how?
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| Please include ONLY the requested information ~ DO NOT include price quotes, participant vitas, or other material.Complete this form and send as email attachment to Jason Hale in the ORSP (jghale@olemiss.edu). |
| **Principal Investigator’s Certification:** **I understand that if my project is selected based on this pre-proposal, I will be expected: to confirm my department/school/center’s ability to meet the cost share requirement by December 14, 2013; to provide a completed draft of the Project Description and Summary to ORSP by January 9, 2014; and to submit all completed proposal components to ORSP by January 16, 2014, suitable for submission by The University of Mississippi to the National Science Foundation Major Research Instrumentation Program by January 23, 2014. I also understand that if I fail to meet these terms, the invitation to submit the proposal may be withdrawn and submitted to an alternate applicant, or that I may be disqualified for submitting MRI proposals during next year’s competition.** |
| **Principal Investigator’s Acknowledgment:**  |