REQUEST FOR PROPOSALS
2015 USC CORE INSTRUMENTATION FUND

APPLICATION DEADLINES
- **Type A:** 5:00 pm, Monday, April 27, 2015
- **Type B:** Open: proposals will be reviewed on a rolling basis.

PURPOSE
The Core Instrumentation Fund supports acquisition of shared instrumentation that enables major research endeavors in the sciences, medicine and engineering. Areas of interest are specified in the USC Plan for Science and Technology Facilities: [https://research.usc.edu/files/2011/05/Plan_for_ST_4-10.pdf](https://research.usc.edu/files/2011/05/Plan_for_ST_4-10.pdf).

Awards under this program are made through a competitive process. All equipment supported under this announcement must be made available to the entire university community through a shared-use facility, and evidence must be provided to demonstrate that the user-base spans multiple schools. The faculty recipients of the funding, along with an associated center, department or school, are required to commit to the ongoing support and maintenance of the equipment as a condition of the award. A “core laboratory” is defined as *a shared-use facility that offers specialized instruments and is open to the entire USC research community*.

Funding provided under this solicitation will not be available until July of 2015.

WHO SHOULD APPLY TO THIS ANNOUNCEMENT
This Request for Proposals is for core laboratory directors, who would like to:

- **Type A:** Request full funding, from the university, for acquisition of equipment
- **Type B:** Request matching funds toward acquisition of equipment

All requests must be made in advance of equipment acquisition and in advance of submitting equipment proposals to external sponsors.

ELIGIBILITY
To be considered for selection:

- **a)** The proposal must be submitted by the faculty member who directs the core laboratory in which the equipment will be installed, following the guidelines below.

- **b)** The core facility must be a current user of CORES invoicing software. For more information on CORES, go to: [http://research.usc.edu/cores/](http://research.usc.edu/cores/).
NOTIFICATION AND TERM OF AWARD

The Core Instrumentation Fund program will consider requests up to $300,000 for Type A proposals. Faculty may also submit requests for cost-share on equipment proposals (Type B) on an as-needed basis throughout the year. Such proposals may request up to $200,000 for support. Cost-share requests must be submitted at least six weeks prior to the external proposal due date to enable peer review. Priority is given to external competitions that require university cost-share. All awards made for proposal cost-share are conditional, and depend on success in receiving external support.

Applicants are permitted to submit multiple proposals, which will be reviewed individually. However, the program is unlikely to fund multiple proposals originating from the same laboratory. Priority will also be given to labs that did not receive funding from this program in the 2013/2014 academic year.

All recipients will be required to endorse a Core Laboratory Agreement, signed by the lab director and research dean of the submitting school. Provisions include commitments to:

- Support for ongoing operation and maintenance costs;
- Ensure equipment is available to the entire university community;
- Ensure continued use of CORES software for invoicing;
- Provide a website that specifies capabilities and how to gain access to equipment.

PROPOSAL REVIEW PROCESS

A faculty committee will review all annual requests and provide a prioritized list of investments to the Vice President of Research. In addition, potential users will be surveyed to ascertain the actual impact of the equipment on their research programs. The survey, combined with the prioritized investments, will be the basis for the final award decisions.

Awards may be made at different times throughout the year, depending on the outcome of externally submitted proposals. Investigators will be notified as funds become available.

REVIEW CRITERIA

a) **Impact**: Degree to which the proposed equipment will make a substantial difference in USC’s research activities and fulfill an unmet need.

b) **Strategic Importance**: Proposed equipment must meet a need expressed in the USC Plan for Science and Technology Facilities (https://research.usc.edu/files/2011/05/Plan_for_ST_4-10.pdf). The proposal should demonstrate how the equipment meet a strategic need.

c) **Participation**: Number of faculty who would utilize the laboratory, and the degree to which the user-base spans multiple schools and campuses. The annual research expenditure activity of the key users will also be a consideration.

d) **Leverage and Cost**: Priority will be given to requests that are leveraged against other funding sources, thereby minimizing the need for provost office support. Priority will also be given to cases where cost-share is required or expected under the competition.

e) **Commitment**: Commitment for ongoing support and maintenance from a university school, center or department is required.

FURTHER INFORMATION AND PROGRAM CONTACT INFORMATION

Questions about the 2015 Zumberge Multi-School Interdisciplinary Research Award or the application submission process can be directed to Melody Tang at Vprsch@usc.edu or 213-821-8163.
GUIDELINES

PROPOSAL GUIDELINES

Before preparing a proposal, applicants should read closely the program description, including the sections on eligibility and review criteria.

Proposals must be submitted using the Office of Research application submission and reporting portal (see page 5).

Format: Proposal documents should be written using a standard font (e.g., Arial or Times New Roman), 12 point, single-spaced, with one inch margins. Documents should be uploaded as PDFs.

PROPOSAL COMPONENTS

Cover page information (to be filled out on-line)

a) Proposal title  

b) Keywords  

c) Contact information: Principal Investigator (Co-PI, if applicable) and Core Manager  

d) Core facility location and URL  

e) Proposed equipment: name and manufacturer  

f) Budget summary  

g) Name of Center of Excellence, as specified in the USC Plan for Science and Technology Facilities

Sections to be uploaded: Materials for each item below should be uploaded as a single PDF. It is requested that applicants follow instructions carefully and do not submit additional materials not requested by this RFP. Information that is uploaded beyond what is requested will not be included in the proposal package provided to reviewers.

a) Abstract: The project abstract is meant to serve as a succinct and accurate description of the proposed work when separated from the application. This section must not exceed 30 lines of text.

b) Proposal Narrative: Must include the following components (use headers below) and may not exceed four pages, inclusive of figures and tables.

i. Research Impact  

Describe the nature of research that will be supported as a result of the proposed funding.
Explain the relationship of the proposed funding to the research of the faculty who will utilize the laboratory. Provide evidence that the faculty have a strong track record of externally funded research, as well as publications. Describe how the funding will enable expansion of research in new directions, and, if relevant, recruitment of new faculty.

ii. Need
Describe the current state of related core laboratories at USC, as well as at other nearby institutions. Provide information on the current condition of USC’s equipment (if any), and the degree to which USC’s equipment is being used at or near capacity. Explain how faculty are currently conducting experiments in the absence of the proposed equipment. Explain how the proposal meets a need specified in the USC Plan for Science and Technology Facilities (https://research.usc.edu/files/2011/05/Plan_for_ST_4-10.pdf).

iii. Acquisition
Provide details (supported by quotes) on the full cost of equipment acquisition, including installation, space renovation and taxes. Provide a budget to show the portion of this cost that will be covered by the core instrumentation fund, and the portion that will be covered by other sources, such as federal programs. For external sources, provide details on any cost-share requirements of the sponsor, along with the program from which support will be sought. State where the equipment will be installed and how potential users will be made aware of and gain access to the facility.

iv. Sustainment
Describe the commitment from a school, department or center to support the ongoing maintenance and operation of the laboratory in a shared-use environment, available to the entire university community. Provide the annual budget for the core laboratory in a format consistent with USC’s policy on recharge centers (http://policy.usc.edu/recharge-centers/). Demonstrate the source of funding for ongoing maintenance and operation of any newly acquired equipment and demonstrate the source of funding for matching the expansion of technical staff.

v. Prior Support
Describe any prior support received under this program, and the outcomes of the prior support, in terms of the equipment acquired and the resulting research.

b) References: 1 page maximum

c) Budget Justification: provide a brief explanation of each of the components of the budget.

d) Manufacturer Quote

e) List of Core Users: provide the name and email address of five potential users of the proposed equipment

f) Letter(s) of Support:
Provide a letter of support from the unit that has committed to ongoing maintenance and operation of the core laboratory, stating any cost-share equipment. Additionally, any newly proposed core must include a letter from at least one dean describing his or her commitment to create and support the new core in future years.
g) **Curriculum Vitae:** (no more than 4 pages)
   Provide a brief CV or biosketch of the PI and Co-PI, *if applicable; if more than one Co-PI, submit all Co-PI CVs as a single PDF upload*)

**PROPOSAL SUBMISSION**

Submit your proposal application utilizing the new Office of Research application submission and reporting portal.

Go to [http://uscapplicationportal.weebly.com/](http://uscapplicationportal.weebly.com/) to log in (or create an account for yourself), using your USC email address.

**APPLICATION DEADLINES**

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**Signatures:** By submitting the online application, applicants indicate their agreement to comply with the terms and conditions of the Core Instrumentation Fund program as well as all other applicable USC policies.

**FURTHER INFORMATION AND PROGRAM CONTACT INFORMATION**

For questions about the application submission process or the Core Instrumentation Fund Program, please contact Melody Tang at [Vprsch@usc.edu](mailto:Vprsch@usc.edu) or 213-821-8163.