Information Session

2011 Partnerships for International Research and Education (PIRE)
August 10, 2011
12:00 – 1:30 pm
2050 Academic Surge

Agenda

1. NSF PIRE Program Overview & Highlights Bernd Hamann, Associate Vice Chancellor
2. International Collaborations Bill Lacy, Vice Provost
3. Graduate Education Jeff Gibeling, Dean
4. Previous Applicants’ Review Feedback TBD
5. Discussion of Potential Teams All
6. Application Assistance
   • Dean Gibeling, Office of Graduate Studies
   • Vice Provost Lacy, University Outreach and International Programs
   • Director Soucy-Lubell, Interdisciplinary Research Support
   • Others – TBD
7. Limited Submissions Process Kassie Obelleiro, Limited Submissions Program Coordinator

Questions or Comments?

Contact: limsubmissions@ucdavis.edu; (530) 754-7738 or (530) 754-7725
**PIRE Requirements**

Each PIRE pre-proposal must:
- focus on Science, Engineering, and Education for Sustainability (SEES);
- integrate research and education;
- engage and share resources and research infrastructure within and across institutions to build strong international partnerships;
- include collaboration with foreign research partners and international research experiences for students to promote a diverse internationally competitive science and engineering for workforce;
- involve groups traditionally underrepresented in science and engineering at all levels;
- demonstrate alignment with PIRE objectives;
- list all foreign collaborators and involved countries;
- describe the investigator’s interpretation of sustainability research and how the project fits within that description;
- include a variety of disciplines;
- address research challenges, goals, and the expected outcomes;
- address education goals and integration with research in the context of the current learning/teaching methods;
- identify major advances and include the appropriate references;
- show the novelty and uniqueness of the project;
- demonstrate excitement and enthusiasm of the team;
- describe required resources; and
- include data management postdoctoral mentoring plans.

**Important Program Notes/Changes**

- Only SEES-focused proposals will be considered.
- A single organization may submit only one proposal as the lead institution.
- Full proposals will be accepted by invitation only.
- Eliminated limit on the number of proposals on which a PI, co-PI, or other Senior Personnel may appear.
- Depending on research topic and country, additional funding for U.S. PIs or foreign collaborators may be available from these agencies: United Kingdom Engineering and Physical Sciences Research Council (EPSRC), United Kingdom Economic and Social Research Council (ESRC), Ministry of Education and Science of Russian Federation (MES), Japan Science and Technology Agency (JST), Inter-American Institute for Global Change Research (IAI), U.S. Environmental Protection Agency (US EPA), and U.S. Agency for International Development (USAID).
Limited Submissions Process

1. Pre-proposals submitted via e-mail to limsubmissions@ucdavis.edu by midnight August 23, 2011. Instructions on how to prepare your pre-proposal as well as the LS cover sheet and budget template can be found on the Limited Submissions website at http://research.ucdavis.edu/pgc/fo/ls.
2. Review panel consisting of faculty and administrators from represented schools, colleges, and administrative units review all proposals over a period of approximately 2 weeks. Review panel ranks and comments on each proposal.
3. All applicants will be notified of the decisions by September 12, 2011.
4. Nominated applicants must submit preliminary proposals to NSF by October 19, 2011. Invited teams will be asked to submit full proposals to NSF by May 12, 2012.

Useful Links

- This year’s RFP can be found at http://www.nsf.gov/pubs/2011/nsf11564/nsf11564.htm.
- The PIRE program webpage can be found at http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=12819&org=OISE&from=home.
- This year’s internal Limited Submissions announcement can be found at http://research.ucdavis.edu/pgc/fo/ls/11-106.

Other International Funding Opportunities

- Research Coordination Networks (RCN) http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=11691
- Basic Research to Enable Agricultural Development (BREAD) http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503285&org=OISE&from=home
- International Opportunities Fund http://www.nerc.ac.uk/research/international/iof/events/ao2.asp
- BARD Research Grant Program http://www.bard-isus.com/
- Interdisciplinary Program on Material Efficiency – A first step towards sustainable manufacturing http://www.jsps.go.jp/j-bottom/g8-initiative.html
- UOIP International Funding Opportunities Database http://uoip.ucdavis.edu/intlfunding/iffo.cfm
Funded PIRE Projects

- International Collaboration and Education in Ice Core Science (ICE-ICS)  

- Hydrologic Redistribution and Rhizosphere Biology of Resource Islands in Degraded Agroecosystems of the Sahel  

- Science at the Triple Point Between Mathematics, Mechanics and Materials Science  

- Training and Workshops in Data Intensive Computing Using The Open Science Data Cloud  

- Toward a holistic and global understanding of hot spring ecosystems: A US-China based international collaboration  

- U.S.-Japan Cooperative Research and Education on Terahertz Dynamics in Nanostructures  

- Bilingualism, mind, and brain: An interdisciplinary program in cognitive psychology, linguistics, and cognitive neuroscience  

- Ancient biodiversity and global change in the New World Tropics: A once-in-a-century opportunity along the Panama Canal  

- An International Pulsar Timing Array for Gravitational Wave Detection  

- Collaborations with France and Japan on Multiphase Fluid Science and Technologies  

- Land Use, Ecosystem Services and the Fate of Marginal Lands in a Globalized World  

- Advancing the US-China Partnership in Electron Chemistry and Catalysis at Interfaces  

- Life on a Tectonically-Active Delta: Convergence of Earth Science and Geohazard Research in Bangladesh with Education and Capacity Building  

- International consortium for probing novel superconductors with neutrons, muons, photons and STM  

- Wildfire feedbacks and consequences of altered fire regimes in the face of climate and land-use change in Tasmania, New Zealand, and the western U.S  