Research and Economic Development at UC Riverside

Michael Pazzani
Vice Chancellor for Research and Economic Development

pazzani@ucr.edu
http://research.ucr.edu
Overview

- Making an impact
  - Do great research
  - Let others know about it
  - Collaboration is important and valued
- Involve Undergraduates in Research
- Obtaining Resources for Research
  - Sponsored Project Administration
  - Compliance (IRB & IACUC)
- Technology Commercialization
- Upcoming Talks
Research and Education

- Publicize your publications
  - Publications online are cited twice as often
  - (e)mail papers to people who you want to read them
- Collaborate with others: Ignore advice to focus solely on single authored papers
- Survey of my first year seminar
  - How many hours a week does a Professor teach?
  - What do Professors do when they aren’t teaching?
  - How much tuition does a Ph.D. student in computer science pay a year?
- Moral: Tell freshman about research and grad school.
Finding External Funds

- http://pivot.cos.com
  - Sign up from UCR on campus computers (IP address)
  - Account can then be used anywhere
  - Search
  - Email alerts
  - Profile
## Searching for Grant Opportunities

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</table>
| 1. | Preservation and Access Education and Training Grants  
National Foundation for the Arts and the Humanities  
National Endowment for the Humanities (NEH)  
Division of Preservation and Access | Jun 28, 2013 | $500,000 |
| 2. | Preservation and Access Research and Development Grants  
National Foundation for the Arts and the Humanities  
National Endowment for the Humanities (NEH)  
Division of Preservation and Access | May 16, 2013 | $400,000 |
| 3. | National Geological and Geophysical Data Preservation Program (NGGDP)  
United States Department of the Interior (DOI)  
U.S. Geological Survey (USGS) | May 21, 2013 | see note |
| 4. | ACLS Digital Innovation Fellowships  
American Council of Learned Societies (ACLS) | Oct 02, 2012 | $85,000 |
| 5. | Heritage Grants  
Kansas Humanities Council (KHC) | Sep 05, 2012 | $3,500 |
| 6. | Data infrastructure Building Blocks (DiBBs)  
National Science Foundation (NSF)  
Office of Cyberinfrastructure (OCI) | Aug 30, 2012 | $8,000,000 |
| 7. | National Leadership Grants  
Institute of Museum and Library Services (IMLS) | Feb 01, 2013 | $1,000,000 |
| 8. | Cultural and Environmental Grants for U.S. Nonprofits Working in Russia and East and Central Europe  
Trust for Mutual Understanding (TMI) | Nov 01, 2012 | see record |

“Data Preservation”
## Recommendations based on Profile

**Funding matches**

426 Funding opportunity matches for:

**David Lo**  
**Division of Biomedical Sciences, University of California, Riverside**

Profile country filters:  
- United States  
- Unrestricted opps included

<table>
<thead>
<tr>
<th>Share</th>
<th>Ordered by: match relevance</th>
<th>Next deadline</th>
</tr>
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<tbody>
<tr>
<td></td>
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<tr>
<td>🔄 Division of Allergy, Immunology, and Transplantation (DAIT) - SEIR/SITTR</td>
<td>Sponsor: Dec 05, 2012</td>
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<tr>
<td>🔄 Gates Vaccine Innovation Award</td>
<td>Sponsor: Aug 25, 2012</td>
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<td>🔄 Immunization and Vaccines for Children Program</td>
<td>Sponsor: Aug 20, 2012</td>
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<tr>
<td>🔄 Vaccine Preventable Diseases: Technological Innovation to Enhance Vaccine and Immunization Program Effectiveness - SOL18I1093</td>
<td>Sponsor: Continuous</td>
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<tr>
<td>🔄 Additional Support for NIH-funded F32 Postdoctoral Fellows Awards Program</td>
<td>Sponsor: Feb 03, 2013</td>
<td></td>
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<tr>
<td>🔄 Immunization Information Systems Sentinel Site Project</td>
<td>Sponsor: Aug 21, 2012</td>
<td></td>
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<tr>
<td>🔄 Research Grants</td>
<td>Sponsor: Continuous</td>
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<tr>
<td>🔄 Research to Advance Vaccine Safety (R01)</td>
<td>Sponsor: Oct 05, 2012</td>
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</tr>
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</table>
Search for Faculty Collaborators

<table>
<thead>
<tr>
<th>Faculty matches</th>
<th>Opportunity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Myung, Noesang Vincent</td>
<td>Associate Professor, Assistant Professor</td>
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<tr>
<td>Yin, Yadong</td>
<td>Assistant Professor</td>
</tr>
<tr>
<td>Kawakami, Roland</td>
<td>Assistant Professor</td>
</tr>
<tr>
<td>Abbaschian, Reza</td>
<td>Dean/Distinguished Professor</td>
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<tr>
<td>Lyubomirsky, Ilya</td>
<td>Assistant Professor</td>
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<tr>
<td>Liu, Jianlin</td>
<td>Associate Professor</td>
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<tr>
<td>Haberner, Elaine</td>
<td>Assistant Professor</td>
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<tr>
<td>Garay, Javier E.</td>
<td>Assistant Professor</td>
</tr>
<tr>
<td>Haddin, Robert</td>
<td>Distinguished Professor</td>
</tr>
<tr>
<td>Ozkan, Cengiz S.</td>
<td>Associate Professor, Assistant Professor</td>
</tr>
</tbody>
</table>
Make Your Ideas Stand Out

- Proposal Summary is extremely important
- Reviewer forms an initial impression that is seldom changed
- Submit at least one day early → First in order.
- Address all issues in solicitation, research, evaluation, education, assessment, outreach
Increase acceptance rate by visiting funding agency

- Learn more about what types of projects agency is looking for (e.g., balance between theory and observation)
- Explain to agency your ideas and accomplishments
- Find additional solicitations or agencies for support
Sponsored Programs
http://or.ucr.edu/SPA.aspx

Charles Greer
Assistant Vice Chancellor
Phone: 951.827.5535
E-mail: charles.greer@ucr.edu

• Reviews and certifies proposals prior to submission;
• Reviews and submits proposals to extramural sponsors;
• Negotiates and accepts awards on behalf of The Regents;
• Processes award accounts;
• Provides post-award non-financial administration;
• Prepares and administers sub-agreements;
• Provides training to the campus community.
Research Integrity

HUMAN SUBJECTS: All research that uses human subjects, whether or not it is funded, must be reviewed by the UCR Institutional Review Board (IRB). Research can only begin following approval by the committee and assignment of a protocol number.

ANIMALS: All research using animals, whether or not it is funded, must be reviewed by the UCR Institutional Animal Care and Use Committee (IACUC). Research can only begin following approval by the committee and assignment of a protocol number.

BIOSAFETY: All research that uses recombinant DNA, infectious agents, select agents, biological toxins, or other biohazardous agents, whether or not it is funded, must be reviewed by the UCR Institutional Biosafety Committee (IBC). Research can only begin following approval by the committee and assignment of a protocol number.
Office of the Campus Veterinarian
http://or.ucr.edu/ocv.aspx

- Oversees all animal facilities at UCR
- Ensures that UCR laboratory animal care and use programs comply with federal, state, and local guidelines for laboratory animal care

Akiko Sato, V.M.D., Diplomate
ACLAM
Campus Veterinarian
Phone: 951.827.5845
E-mail: akiko.sato@ucr.edu
Technology Commercialization
http://research.ucr.edu/OTC.aspx

- Manages UCR’s intellectual property, license agreements, option agreements, equity agreements, material transfer agreements, and confidentiality agreements with private industry;
- Oversees the disclosure of inventions developed by UCR faculty, develops the licensing strategy for UCR intellectual property, and encourages further technical innovations;
- Provides information and counseling on all aspects of intellectual property, licensing, consulting relationships and other interactions with industrial collaborators;
- Coordinates with other agencies to promote regional economic development based on UCR innovations.
Technology Commercialization

Invention Disclosure & Patenting:
- First paper on topic much more important than tenth
- Keep up-to-date lab notebooks

Corporate Contracts and Grants
- Don’t sign/negotiate contracts yourself including Non Disclosure Agreements

Licensing
- Existing Company
- Start a company
Scientific Misconduct

- A PI from an Illinois institution plagiarized text and citations from multiple source documents into four NSF proposals. Our office initiated an inquiry based on an allegation that a PI plagiarized into three proposals.

- We concluded that the PI committed research misconduct when he plagiarized text in four NSF proposals. NSF agreed with our recommended finding, debarred the subject for one year, required certifications and assurances for 3 years, barred him from peer review for 3 yrs, and required him to complete a course in research ethics.
Entomology:
Glassy-winged sharpshooter
Tango
Center for Environmental Research & Technology
Nano Engineered Applications