Navigating the University: Research Advancement

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Office of the Vice President of Research

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DC Office Goals

• Provide USC presence near funding agencies
• Identify large-scale funding opportunities
• Form collaborations within and outside USC to develop competitive applications
• Support proposal preparation
• Navigate federal bureaucracy
Research Advancement Services

• Strategic planning
• Proposal preparation - scientific
  - Help develop ‘vision’
  - Help build collaborations (within & outside USC)
  - Writing, reviewing, editing
• Proposal preparation – logistic/administrative
  - Conference/video calls, meetings
  - Budgets, budget justifications, PARs
  - Biosketches, letters of support
  - References, figures
• Federal agency connections / advocacy / intel
• Faculty development
Mission Agency Programs (MAPs)

- [http://web-app.usc.edu/web/ra_maps/](http://web-app.usc.edu/web/ra_maps/) [login required]
- Connect faculty with funding agency program officers
- 500+ program officer profiles across 8 agencies (DHS, DOC, DOD, DOE, DOED, EPA, NASA, USDA)
- 500+ faculty profiles organized by/linked to keywords
% of Assisted Faculty Who Have Utilized Research Advancement Services

- Identify Funding
- Interface with agencies
- Assemble proposal team
- Utilize USC MAPs
- Write proposal
- Review/edit
- Create Figures
- Add references
- Generate admin docs
- Generate budget
- Review budget
- Budget justification
- Set up conference calls
- Coordinate across schools
- Submit application

- Planning/Strategy
- Proposal
- Budget
- Logistics

%
DC Office of Research Advancement
Applications Submitted and Awarded

Success Rate = 29%

Applications Submitted: 738
Applications Awarded: 213
DC Office of Research Advancement
Cumulative Dollars Awarded

Awards

($ Millions)


$440,288,562

In billions of constant FY 2015 dollars

Source: AAAS Report: Research & Development series. FY 2015 figures are latest estimates, FY 2016 is the President's request. © 2015 AAAS
Unique USC Resources

- **Information Sciences Institute (ISI)**
  - $60 million annually from >20 federal agencies / corporations
  - [http://www3.isi.edu/home](http://www3.isi.edu/home)

- **Institute for Creative Technologies (ICT)**
  - US Army University Affiliated Research Center (UARC)
  - [http://ict.usc.edu/](http://ict.usc.edu/)

- **Clinical Resources**
  - [http://sc-ctsi.org/](http://sc-ctsi.org/)

- **Schaeffer Center for Health Policy and Economics**
  - Recruited Nobel Laureate in Economics (Daniel McFadden)
  - >$25 million in NIH grant support
  - [http://healthpolicy.usc.edu/](http://healthpolicy.usc.edu/)

- **School of Cinematic Arts**
  - #1 ranked cinema/film school (*US News and World Report*)
  - #1 game design program (*Princeton Review*)
  - [http://cinema.usc.edu/](http://cinema.usc.edu/)

- **Outreach Partners**
USC Research Strengths

- Neuroimaging & Big Data Bioinformatics
- Aging & Alzheimer’s Disease
- Biomedical Devices
- Environmental Health
- Health Policy
- National Security
- Information Science
Federal Funding

Junior Investigator, Pre- & Post-Doctoral Support

- DOD Young Investigator Program (DOD YIP)
- NSF Faculty Early Career Development Program (NSF CAREER)
- DOE Early Career Research Program
- NIH individual fellowship and career development awards (pre- and postdoctoral; clinical and basic; mentored and non-mentored)
- NIH Transformative Research Awards (R01)
- NIH Pioneer Award Program (DP1)
- NIH Director’s New Innovator Award Program (DP2)
- NIH & NSF institutional training grants (T32, NRT)

Lab Infrastructure Support

- NIH Shared Instrumentation Grant Program (S10)
- NSF Major Research Instrumentation Program (MRI)
- DOD Defense University Research Instrumentation Program (DURIP)
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Additional questions, advice:
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