Enhancing Your Research Career: Behavioral/Clinical Sciences

Bonnie Halpern-Felsher, PhD
Kirby Lee, PharmD
Mary Whooley, MD

Getting Funded

- **Diversify funding agencies**
  - **NIH, NSF, HRSA, foundations, UCSF**
- **Recycle grants; use the same grant model more than once**
- **Best when grants build on each other**
- **Collaborate – you cannot be responsible for 100% of your salary!**
- **COS Database**
- **UCSF RAP funding**
- **Get feedback from colleagues!**

Rigorously peer-reviewed grants demonstrate investigator independence and recognition

1. US government research grants (NIH, DOD, VA)
2. Foundation or society grants (e.g., American Cancer Society, American Heart Association)
3. Investigator-initiated research funded by industry
4. Industry-sponsored research funded by industry

NIH Grants

(National Institutes of Health)

TRAINING

PRE-BAC ← Institutional Training Grant (T34)

GRADUATE/ MEDICAL STUDENT
← Institutional Training Grant (T32)
← Individual NRSA Fellowship (F31, F30)

POST- DOCTORAL
← Institutional Training Grant (T32)
← Individual NRSA Fellowship (F32)

CAREER

EARLY
← Pathway to Independence Award (K99/R00)
← Mentored Research Scientist Development Award (K01)
← Mentored Clinical Scientist Development Award (K08)
← Mentored Patient-Oriented RCDA (K23)
← Mentored Quantitative RCDA (K25)

MIDDLE
← Independent Scientist Award (K02)
← Midcareer Investigator Award in Patient-Oriented Research (K24)

SENIOR ← Senior Scientist Award (K05)

Small Grant (R03)

Research Project Grant (R01)

Exploratory/ Developmental Grant (R21)

Graphic represents a small sample of NIH funding mechanisms available.

Career Development Grants

- UCSF CTSI KL2 Scholars Program
  http://www.epibiostat.ucsf.edu/courses/CTSAKL2.html

- Other UCSF programs:
  http://accelerate.ucsf.edu/funding/career-development-awards#k12

- NIH K awards

- VA Career Development Awards

- NIH Minority or R01 Supplement

- Foundations – (http://foundationcenter.org; http://www.cof.org/)

- Community of Science (http://pivot.cos.com/) – can set up an automated funding search in your area of interest

Research grants

- Federal government opportunities – www.grants.gov

- DOD – http://cdmrp.army.mil/funding/reftable.shtml

- UCSF intramural grants – http://rap.ucsf.edu/grants/

- Grateful patients (via development office)

- Patient-Centered Outcomes Research Institute (PCORI)

- Agency for Health-Care Research and Quality (AHRQ)

- Industry (Investigator-Initiated Research programs)

- Grantmakers in health – www.gih.org

- Foundations – http://foundationcenter.org

http://accelerate.ucsf.edu/funding?/career-development-awards

Grant Writing Guidance

Examples of successful research proposals and expert advice on how to navigate and write grant applications.

- K Proposal Library (K08, K23, K24, K99) 🔲
- Writing NIH Mentored K Award Applications 🔲
- T32 Proposal Library 🔲
- Data Safety Monitoring Protocol Library 🔲
- Biostatistics Consultation Services in Statistical Grant Writing 🔲

Grants administration

Pre-award

- Budgeting
- Letters of support
- Paperwork/signatures
- Biosketches and other support pages
- Uploading documents

Post-award

- Hiring and purchasing
- Budget projections
- Progress reports
- Agency correspondence

Other extremely useful grant-writing resources

- http://grants.nih.gov/training/resources.htm

- http://www.niaid.nih.gov/researchfunding/Pages/default.aspx

- www.research.ucsf.edu/QG/orQgToc.asp

- http://grants.nih.gov/grants/useful_links.htm

- http://grants.nih.gov/grants/sitemap.htm

- http://grants.nih.gov/grants/grant_tips.htm

- www.nhlbi.nih.gov/crg/index.php

- http://grants.nih.gov/grants/oer.htm

UCSF career development workshops

- **UCSF Office of Career and Professional Development:**
  http://career.ucsf.edu/pff/index.html

- **UCSF School of Medicine Office of Education:**
  www.medschool.ucsf.edu/workshops/

- **UCSF Center for Health Professions:**
  http://futurehealth.ucsf.edu/

- **UCSF Chancellor's Council on Faculty Life**
  http://academicaffairs.ucsf.edu/ccfl/

Getting Published

- **Carve out writing days, times and even places**
- **Diversify – a combination of "homerun papers" and "mainstream papers"**
- **Collaborate**
  - **Peers**
  - **Graduate students and postdocs**

Building a Research Team

- **Co-Investigators at UCSF**
- **Collaborators outside of UCSF**
- **Trainees/students**

Finding Help

- **Joining committees (pros and cons)**
- **Inter- and multi-disciplinary teams are golden**
- **Meeting people at conferences**
- **Recruiting volunteers**
  - **UCSF medical students**
  - **Local Universities**
  - **Foreign medical graduates
    Pre-medical post-baccalaureate students**

Questions?