Managing Your Research Career
Behavioral and Clinical Sciences

Michael Cabana, MD, MPH (Medicine)
michael.cabana@ucsf.edu

Jennifer Cocohoba, PharmD, MAS (Pharmacy)
jennifer.cocohoba@ucsf.edu

Stuart Gansky, DrPH (Dentistry)
stuart.gansky@ucsf.edu

Kirby Lee, PharmD, MA, MAS (Pharmacy)
kirby.lee@ucsf

UCSF Faculty Development Day
September 12, 2017
Outline

• Managing Time
• Building a research portfolio
• Obtaining funding
• Writing papers
Time is your most valuable resource

• Always more to do than time available
• No one else will protect your time
• Time spent on one thing
  = time not spent on another
• Think about whether you would want to do this tomorrow (not in the distant future)
• Remember: you will feel just as busy later
**Managing Time**

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## Managing Time

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Some Time Management Strategies

• Hire help whenever possible
• Delegate tasks as much as possible
• Set time aside for writing
• Set blocks of time to think
• Turn off email and minimize other distractions
• Negotiate with Chair for protected time
• Decide on % time devoted to research, teaching, clinical practice, administration
Panelist Tips on Time Management
Outline

• Managing Time
• Building a research portfolio
• Obtaining funding
• Writing papers
Building a Research Portfolio

• Establish yourself in your Department
• Create realistic 5 year plan that builds on itself
  - Some ideas not fundable (reasons other than science)
• Great when one grant can provide pilot data for the next
• Identify strong mentors diverse in discipline and expertise
• Co-Investigators and collaborators in/outside UCSF
• Community partnerships
• Industry collaborations and partnerships
Building a Research Portfolio cont.

• Labor – Talent Selection & Acquisition
  – Research assistants (hire carefully)
  – Pre-doctoral students (medical/dental/nursing/pharmacy/grad)
  – Post-doctoral fellows
  – Volunteers (foreign, undergrad, pre-med, SFSU, USF, UCB)

• CTSI resources (http://accelerate.ucsf.edu/)
  – Find mentors, collaborators
  – Research consulting and other services, access to databases
  – Partnerships with community, industry
Conducting Research

Resources available to all researchers at UCSF and affiliated institutions

Get Research Advice
- Consultation Services
- Talk to a Research Navigator

Conduct Clinical Studies
- Clinical Research Services
- Recruitment Services
- Data Safety Monitoring Protocol Library
- Sample Size Calculators
- Maximizing Email Survey Response Rates
- Additional Clinical Research Resources

Find & Collaborate with Experts
- Collaboration Resources
- Global Research Projects

Work with Data & Technology
- Informatics Resources
- Comparative Effectiveness Research (CER) Resources
- Work with Large Datasets
- Large Dataset Inventory
- Digital Health Resources

Engage with Research Partners
- Work with Community
- Work with Industry FAQ
- Preclinical CRO Vendor Program
- Catalyst Awards

Clinical Research Resources at a Glance
Download a handy list of Clinical Research Resources available to all investigators at UCSF and affiliated institutions (pdf 100 KB)

Additional Resources
- Clinical Research Resource HUB
- Biospecimen Resources (BIOS) Program
- Office of Research
- Office of Sponsored Research
- Institutional Review Board (IRB) / Human Research Protection Program (HRPP)
- Library and Center for Knowledge Management
- Academic Affairs Resources for Researchers
- Gartner Research Portal

Other Essential Resources
- UCSF Cores Search
- UCSF Profiles
Rate information

- Consultation Services Recharge Policy - Initial hour is free per project.
- Services marked ☑ below are free for the entire consultation period.
What is free:
1. The initial consultation with each of our Consultation Services Units (Biostatistics, Design, Ethics and Data Management), up to 1 hour, is free for any project based at UCSF and affiliated CTSI Institutions.

2. Investigators writing grants that include a biostatistician as a co-investigator for at least 10% effort will receive up to 20 additional free hours of consultation and writing assistance from Division of Biostatistics in support of the grant application.

What is not free:
1. Subsequent consultations and work done by consultants after the initial consultation.

2. Review of a manuscript or grant (beyond that offered above), unless the question for the consultant is very focused and can be accomplished within the initial consultation.

3. Performance of statistical analysis and hands-on database work, even if a full initial hour of consultation has not been used.

If you anticipate that you will need more than 1 hour of services from any Consultation Services Unit, please check the box indicating this and fill out the recharge information section of the Consultation Services Request Form as best you can. We will contact you or a designated financial analyst as needed, and start scheduling additional services when fund information has been verified. Please contact Consultation Services administration (ctsi.consulting@ucsf.edu or 415-514-8086) with any questions.

All billing for Consultation Services occurs monthly, following the month of service.

Recharge Rates

CTSI Consultations are supported by the National Center for Advancing Translational Sciences, National Institutes of Health, through UCSF-CTSI Grant Number UL1TR00004. UCSF users paying via UCSF recharge are charged the internal rate which includes the NCATS subsidy; affiliates noted below are charged the full cost of service; external clients are charged the full cost of service plus 26% indirects.

To pay by recharge, you'll need to provide either a speedtype or chartstring.

Hourly rates and corresponding subsidies for July 1, 2016-June 30, 2017 are:
- $200/hour for faculty consultants (services provided after initial consultation)
- $170/hour for senior staff consultants
- $100-$120/hour for staff analysts and consultants
(Please note that Biostatistics analyst rates are $110 hour—this rate includes an additional subsidy by CTSI in order to keep the service accessible and affordable for researchers.)
- See details for external rates and subsidies (PDF 70KB)
Welcome to Clinical Research Services (CRS)

Make Us a Partner in Your Research Plans

CTSI Clinical Research Services (CRS) integrate seven clinical sites across San Francisco and Oakland that provide an array of adult and pediatric services and translate promising clinical research ideas into successful protocols.

Guidelines & Application Process
Questions? Please email Eunice Stephens or call 415-830-2369.

Recharge Rates & Budgeting

- Budget Request Application (docx)
- Costing Turn-Around Policy (pdf)
- Recharge Rates - September 2016 (pdf)
- Top 500 Research Codes (xlsx)
- Recharge Rate Announcement (pdf)

Clinical Research Services & Facilities

Click on the facility name or service of interest below for more information.

<table>
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<th>Service</th>
<th>Zuckerberg San Francisco General Hospital</th>
<th>UCSF Parnassus Hospital</th>
<th>Mount Zion Hospital</th>
<th>Benioff Hospital Pediatrics &amp; NCRC</th>
<th>Mission Bay Clinical Lab</th>
<th>CHORI Children’s Hospital Pediatrics &amp; Adults</th>
<th>Veterans Affairs Medical Center</th>
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Note: the Neurodevelopment Testing service is temporarily unavailable, and the Bionutrition service has been discontinued.

Learn more about our work by exploring CRS Publications

How to Work with CRS

- Clinical Research Services
- Nursing
- Phlebotomy
- Sample Processing
- Body Composition & Exercise
- Facilities & Contacts
- Guidelines & Application Process
- Frequently Asked Questions
- CRS Forms
- Recharge Rates - Current
- Resources for Grant Applications
- Scientific Review Only
- Holiday Closures

UCSF Clinical Research Resource HUB

Clinical research tools, templates, guidance and go-to
Work with Large Datasets

Use Large Datasets, Available at No Cost

Available Datasets
- American Hospital Association annual survey
- Area Resource Files
- National Inpatient Sample
- Kids' Inpatient Database (KID)
- National Emergency Department Sample (NEDS)
- selected State Inpatient Databases (SID)
- selected State Emergency Department Databases (SEDD)
- Death Master File

Data Use Process: Simple application process and a secure remote data environment

Find Large Datasets
- The Large Dataset Inventory helps scientists find the best datasets for your project.
- Information on 80+ local and national health datasets searchable by population, time frame, study design, unit of observation.

How to Use Large Datasets in Research
- Find facts and figures for your proposal, manuscript, and presentation background.
- Learn more about using Online Browsable Datasets

Consultation Services
UCSF faculty and senior staff provide advice in:
- Study design/conceptualization
- Addressing common methodological issues in analysis of observational data
- Data dataset selection
- Dataset acquisition
- Administrative support
- Dataset uploading and downloading
- Query design and cohort selection
- Dataset cleaning
- Dataset linking
- Programming support
- Collaboration, building collaborative relationships for data sharing
Request Clinical Data for Research

UCSF and ZSFG

- Electronic health record data from APeX and data from ZSFG and other DPH facilities
- Cost: hourly recharge may apply

New! Simplified process for streamlining UCSF regulatory and compliance requirements. Learn more!

More clinical data available for research:

Multi-institution

- UCRex – explore and obtain counts from 15 million+ patient records representing the combined patients of the five UC medical centers. Read more
- PCORNet (PSCAN) & OMOP - patient-centered scalable National Network for Effectiveness Research (pSCANNER) is a network that will integrate data from existing networks and surrounding health systems covering over 37 million patients. Read more

Veterans Administration (VA)

Veterans Health Administration (VHA) maintains a central data repository with health information from the electronic medical records of over 9 million Veterans in the United States. Request VA Data Core Consultation

See Presentations, Handouts and Q&A from the 2017 Clinical Data Colloquium
Resources for Global Health Researchers at UCSF

Global Research Projects Database

Search this database of UCSF global health projects to find out who's doing what where.

Global Research HUB

Find resources and tips for international travel, funding, regulatory guidance, and other compliance and logistical issues. Resources provided for faculty, students and staff. Similar information for all UC campuses is available at the UCSF website.

Global Programs Offices

GHS has established registered country offices in Kenya, Mozambique, Namibia, Tanzania, Uganda that support UCSF global research projects. Registration for a sixth office in South Africa is pending. The offices enable GHS to:

- Better control project activities, including compliance with funders’ policies
- Open business bank accounts
- Legally hire local citizens
- Facilitate in-country procurement and vendor contracts

These offices currently support UCSF Global Health Sciences researchers, but UCSF is in the process of developing systems, policies and procedures so that these offices will be able to expand support to other UCSF projects in these countries.

For more information, please contact Jane Drake

International Partnerships & Affiliations

This site includes an International Partnerships Toolkit, which was developed by the Executive Vice Chancellor/Provost and Global Health Sciences and provides general direction to those interested in, or engaged in, international collaborations.

UCSF Global Research Forum
Training & Advancement

Designed to train UCSF's new generation of clinical and translational researchers

Get an Overview
- UCSF Training & Advancement Opportunities Matrix
- Training in Clinical Research (TICR) Program
- CTSI Online Education Curriculum

For Faculty
- K Scholars Program
- Mentor Training Program
- Training in Implementation Science
- Responsible Conduct of Research (RCR) Online Course
- Opportunities Designed for Faculty

For Residents
- Designing Clinical Research for Clinical Trainees (DCR-CT)
- Catalyst Awards Internship Program
- Opportunities Designed for Residents

For Trainees
- Yearlong Inquiry Program (YIP)
- Doris Duke Charitable Foundation International Clinical Research Fellowship
- Precision Health Science TL1 Postdoctoral Fellowship (PRESCIENT)
- Catalyst Awards Internship Program
- Designing Clinical Research for Clinical Trainees (DCR-CT)
- Pre-Health Undergraduate Program (PUP)
- Opportunities Designed for Trainees

Grant Writing Training
- K-Grant Writing Workshop
- How to Write a PCORI Grant
- K Proposal Library (K08, K23, K24, K99)
- T32 Proposal Library
- Data Safety Monitoring Protocol Library
- All Grant Writing Resources
For Community Partners

Services, resources and training that develop and support collaborations between UCSF and community partners

Find and Work with Researchers
- Linkage Service in Community Engagement & Health Policy
- Working with Researchers: Guides and Resources Manuals
- Community Engagement & Health Policy Consultation Service
- SF HIP

Build Practice-Based Research Partnerships
- San Francisco Bay Area Collaborative Research Network (SF Bay CRN)
- Practice-Based Research Design and Recruitment (SF Bay CRN) Consultation Service

Get Training Designed for Community Agencies
- Research & Evaluation Training for Community-Based Organizations
- Dissemination Training
- Certificate Program in Implementation Science

Community Engagement & Health Policy on Twitter

Tweets by @CE_HPatCTSI

CE and HP UCSF CTSI Retweeted

Michelle Guy
@mguylblueMD

Discrimination, prejudice, and microaggressions are harmful to your health. #DifferencesMatter @UCSFMedicine

CE and HP UCSF CTSI
@CE_HPatCTSI

Dr. Prudence Carter, Dean of UCB School of Ed. Reminding us we must take risks, change enivron, access to social capital & more, for #equity

UCSF Organizations that Foster Community Engagement

CTSI’s Community Engagement & Health Policy Program (CE&HP)
UCSF Collaborative Research Network
Community Academic Research Training Alliance (CARTA)
Medical Effectiveness Research Center (MERC)
University Community Partnerships Program (UCPP)
Community Partnership Resource Center (CPRC)
Explore resources, expertise, and best practices for:

**Who You Are**
- Investigators
- Study Staff
- Participants
- Partners & Affiliates

**Stage of Research**
- Design Study
- Set Up Study
- Conduct Study
- Close Out Study
Resources for Investigators

Pre-Study
- Conflict of Interest
- Consent Development
- Funding Opportunities
- iRIS / IRB
- Investigator Resources
- Protocol Development
- Feasibility & Review
- Trial Budgeting
- Working with Industry
- Working with Community Partners

Regulatory
- ClinicalTrials.Gov
- Data & Safety Monitoring
- IDE Development
- IND Development
- Regulatory Binder
- Site Inspections

Study Management
- Data Management
- Good Clinical Practice
- Quality Management
- Budgeting & Billing
- APoX
- Specimen Management
- New! Clinical Labs Research Specimen Transportation Service
- Study Management Tools
- SOPs

Quick Reference
- Campus Policies
- Cancer Center (HDFCCC)
- Clinical Research Services
- Clinical & Translational Science Institute (CTSI)
- Conflicts of Interest (COI)
- Consultation Services
- Cores Search
- Environment, Health and Safety
- Ethics & Compliance
- Global Health Sciences
- Innovation, Technology & Alliances
- IRB / Human Research Protection Program
- Office of Sponsored Research
- UCSF Profiles
OnCore

OnCore is a comprehensive Clinical Research Management System (CTMS) designed for clinical research operations and data management. OnCore is the system of record for coverage analysis of all clinical research studies conducted at UCSF. OnCore also supports biospecimen management and a registry platform for defined populations and/or clinical events.

- Get started with OnCore

Multicenter Trial Management

The **San Francisco Coordinating Center** combines scientific expertise with broad experience in managing multi-center studies, and offers access to a network of high quality, experienced clinical centers.

- Study design, coordination and implementation
- Measurement selection
- Protocol development
- Database design
- Research study data collection via fax
- Data quality control
UCSF’s Office of Ethics and Compliance coordinates and guides compliance efforts across the campus to ensure institutional compliance with applicable laws and regulations, to promote ethical behavior and research integrity, and to provide the tools, guidance, and oversight needed to adhere to all necessary regulatory requirements.

For information about the International Conference of Harmonization (ICH) guidelines, please see here.

For expert advice on regulatory issues, request a Regulatory Knowledge Consultation.
Are you an MD or PhD looking to step up your skills in clinical and translational research? Browse opportunities from didactic coursework to career development awards, and more.

If you are a CRC or clinical research support staff, please go here.
Panelist Tips on Building Research Portfolio
Outline

• Managing Time
• Building a research portfolio
• Obtaining funding
• Writing papers
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

**Funding is hard to get, diversify your portfolio, apply to non-NIH sources too**
NIH Grants
(National Institutes of Health)

Small Grant (R03)
Exploratory / Developmental Grant (R21)
Research Project Grant (R01)

Pre-Bac
Graduate / Medical Student
Post-Doctoral
Early
Middle
Senior

Institutional Training Grant (T34)
Institutional Training Grant (T32)
Individual NRSA Fellowship (F31, F30)
Individual NRSA Fellowship (F32)
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)
Independent Scientist Award (K02)
Midcareer Investigator Award in Patient-Oriented Research (K24)
Senior Scientist Award (K05)

Graphic represents a small sample of NIH funding mechanisms available.
Grants and resources available to all researchers at UCSF and affiliated institutions

Clinical & Translational Research Funding

Intramural
- CTSI-Sponsored RAP Funding
- Catalyst Awards for the Development of Diagnostics, Devices, Therapeutics and Digital Health
- UCSF Open Proposals

Extramural
- Early Translational Research Funding
- Comparative Effectiveness Research Funding
- Informatics Funding

Career Development Awards

Intramural and Extramural
- Career Development Awards
- NIH Research Supplements to Promote Diversity in Health-Related Research

Funding for Residents, Fellows & Postdocs

Intramural
- Research and Travel Funding for Residents
- Precision Health Science TL1 Postdoctoral Fellowship (PRESCIENT)
- NIH Research Supplements to Promote Diversity in Health-Related Research

Extramural
- Postdoctoral Fellowships

Grant Writing Guidance

- K-Grant Writing Workshop
- How to Write a PCORI Grant
- K Proposal Library (K08, K23, K24, K99)
- T32 Proposal Library
- Diversity Supplement Proposal Library
- Data Safety Monitoring Protocol Library
- PCORI Proposal Library
- All Grant Writing Resources

Additional Resources

- Pivot Funding Opportunities (extramural)
- Resource Allocation Program (RAP) (intramural)
- Limited Submission Opportunities (LSOs)
- Office of Sponsored Research: Find Funding Opportunities
- Office of Sponsored Research: Resources
- Office of Sponsored Research: News
- Faculty Handbook for Success
- Research Administration Glossary
- Find Office Responsible for various types of awards
Career Development Grants

• UCSF programs: KL2 Career Development Awards and more at http://accelerate.ucsf.edu/funding

• NIH (K awards, Minority or R01 Supplements)

• VA Research & Development: http://www.research.va.gov/funding/

• Foundations: http://foundationcenter.org; http://www.cof.org/

• Societies: usually disease-specific

• Industry: (for example: http://www.pfizer.com/research/rd_partnering/investigator_initiated_research)
Faculty Career Development Awards

On this page: RAP Awards : Institutional K12 : NIH Awards : Other Awards

RAP Awards
The Resource Allocation Program (RAP) provides a variety of UCSF funding opportunities, including those sponsored by CTSI.

UCSF Institutional Career Development Awards (K12)
CTSI KL2 Clinical Research Career Development Awards. Faculty Scholars are chosen each year to pursue clinical and translational research projects for 3-5 years with training and mentoring. The program includes a master's degree in clinical research for those who do not have such training, a supportive environment, modest financial resources, and access to core faculty who provide expertise and guidance in research design, measurement and questionnaire design, study coordination, data management, biostatistical analysis, and scientific writing.

Building Interdisciplinary Research Careers in Women's Health (BIRCHW) trains junior faculty to be successful, independent clinical and translational investigators in women's health.

Child Health Career Development Program trains researchers to harness advanced research strategies to address urgent problems (e.g., asthma, cancer, infectious diseases, host defense defects, diabetes, obesity, and developmental malformations of the heart, brain, and other organs), that will result in new treatments to improve child health outcomes.

IRACDA Scholars in Science (ISIS) Program cultivates a diverse group of biomedical scientists to pursue independent research and teaching careers and to enrich the collaborative relationship between UCSF and SFSU in research, training, and mentoring.

Omics of Lung Diseases Career Development Program fosters careers built around using state of the art omics approaches to understand the causes of lung diseases and identify novel ways to prevent, diagnose and treat these diseases.

Multidisciplinary K12 Urologic Research (KURE) Career Development Program trains and supports junior faculty from diverse disciplines who are interested in pursuing careers in the study of benign urological diseases.

Neurological Sciences Academic Development Award (NSADA) in the UCSF Division of Pediatric Neurology gives junior child neurologists research skills they need to identify better ways of caring for children with disorders of the nervous system. The overall theme is "Translating Discoveries in Neurological Diseases of Infancy and Childhood."
Grant Writing Guidance

http://accelerate.ucsf.edu/funding/grant-writing-guidance

On this page:
- Proposal Libraries
- Resources for NIH Career Development Awards (K Grants)
- Resources for NIH Diversity Supplement Awards - Courses
- Consultation Services - Current UCSF Awards
- Additional UCSF Resources

Maximize your chances of being funded by learning from grant writing experts.

Proposal Libraries

Learn by example: view examples of successful UCSF proposals generously provided by members of the UCSF community (UCSF access only).

- K Proposal Library
  Successful proposals for mentored K awards (K01, K02, K08, K23 and K99) and mid-career K awards (K24), as well as sample letters of support.

- T32 Proposal Library
  Successful T32 applications, table and text exemplars, application instructions, and more.

- Diversity Supplement Proposal Library
  Successful proposals for NIH Research Supplements to Promote Diversity in Health-Related Research Awards, Additional resources.
The Research Development Office LibGuide contains templates and boilerplate language for use in grant applications. Please note that, while we do update these documents as necessary, it is your responsibility to verify specific information. The date of last update is in the header of each document. Please contact the RDO at rdoinfo@ucsf.edu to inquire about updated information.

The types of language you will find in these pages:

- **Facilities and Resources**: descriptions of the UCSF Campus, Schools, Departments, and other institutional entities
- **Letters of Support**: examples of LOS to express institutional support
- **Resource and Data Sharing**: examples and templates for Resource Sharing and Data Sharing Plans
- **Other Regulatory**: examples and templates for Human Subjects, Authentication of Key Resources Plan, Vertebrate Animals, etc.
- **Multiple PI**: example and template for Multiple PI/PD structures

To search: Click on the appropriate blue tab on the lefthand side of the screen to expand that section. Use the “find” function of your internet browser (Ctrl+F or command+F) to find the desired resource (this will search in the document title and brief description; at this time, there is no advanced search for within the content of a document).
Guidance on Agency Policies

- NIH: Enhancing Reproducibility (effective Jan. 2016)
- NIH: Simplification of Vertebrate Animals Section (effective Jan. 2016)
- NIH: Reporting Preprints and Other Interim Research Products (effective May 2017)

Other Regulatory

- Authentication of Key Resources Plan
- Diversity Recruitment and Retention Plan
- Inclusion Enrollment Report
- Inclusion of Children
- Inclusion of Women and Minorities
- Mentoring Plan
- NIH: New Biosketch Format (Forms D, effective May 2016)
- Protection of Human Subjects
Research grants

- UCSF intramural grants – [http://rap.ucsf.edu/grants/](http://rap.ucsf.edu/grants/)
- UC Office of the President Research Funding Programs [www.ucop.edu/research-grants-program/](http://www.ucop.edu/research-grants-program/)
- National Institutes of Health (NIH)
- Patient-Centered Outcomes Research Institute (PCORI)
- Agency for Health-Care Research and Quality (AHRQ)
Research grants cont.

• Health Resources and Services Administration (HRSA) http://www.hrsa.gov/grants/index.html
• National Science Foundation (http://www.nsf.gov/)
• DOD http://cdmrp.army.mil/funding/reftable.shtml
• Industry (Investigator-Initiated Research programs)
• TRDRP (Tobacco-Related Disease Research Program) http://www.trdrp.org/
Office of Sponsored Research
http://osr.ucsf.edu/

We help researchers build collaborative research teams, pursue funding opportunities, deliver effective proposals & administer awards.

Research Management Services
Research Management Services (RMS) provides expert administrative support to all researchers, from pre-award through the award process on all grant mechanisms. RMS teams collaborate with the Principal Investigator (PI), his/her department and our sponsors so that PIs may be successful in their research grants.

Learn more ➔

Government & Business Contracts
GBC provides expert services including proposal development, contract negotiation and award acceptance to faculty seeking contracts with federal, state, municipal or foreign governments. Our team also provides contracting services to schools, faculty, and core labs needing negotiation and advice on training affiliations and professional services.

Learn more ➔

Our Partners
The Office of Sponsored Research (OSR) partners with a range of administrative units at UCSF in order to provide seamless support to UCSF researchers. Learn more about our partners and the services they provide here.
General Funding Resources

- PIVOT – [http://pivot.cos.com/](http://pivot.cos.com/) from UCSF OSR website, sign-up for training or set-up free automated search
- UCSF RAP (Resource Allocation Program, [www.rap.ucsf.edu](http://www.rap.ucsf.edu))
- UCSF RDO Limited Submission Program
- Foundations – [www.fdncenter.org](http://www.fdncenter.org); [www.cof.org](http://www.cof.org)
- Grantmakers in health – [www.gih.org](http://www.gih.org)
- Grateful patients (via development office)
Pivot Training: Pivot allows researchers to search for funding opportunities, save results, set automated funding alerts, and identify potential collaborators. The Research Development Office (RDO), in collaboration with the Library, is pleased to offer monthly Pivot trainings. The RDO will provide trainings for faculty and staff, and the library will provide trainings for post-docs and students. Go to Extramural Funding tab below for more information.
Notice

Grant offerings, application rules, eligibility criteria, and other requirements are subject to change from cycle to cycle. Be sure to review the website after every “Call for Applications” is launched to learn the updates and prepare your application accordingly.

Home

How RAP Works

Applicants Choose the Grant Mechanism (Not the Agency)
Funding Agencies Choose the Awardees

What’s New:

- UCSF AIDS Research Institute (ARI) thanks to Gilead Sciences Inc. is supporting the amfAR Institute for HIV Cure Research by offering a new Mentored Scientist Award.

- The UCSF Pancreas Center is offering a Pilot Award for pancreas cancer research. This award is intended to support basic science and clinical projects focused on pursuing the research and eradication of pancreatic neoplasia.

- The new Global Cancer Program in the HDFCC joins RAP to offer a Pilot Award for trainee, junior, or established researchers. Grants are intended for innovative projects addressing prevention, screening, diagnosis, and/or treatment of cancer in low- and middle-income countries.

- Precision Medicine in Rheumatology (PREMIER), an NIH/NIAMS P30 funded Center at UCSF is sponsoring Pilot Awards for Junior and for Established Investigators. The grants will support studies in rheumatic and autoimmune diseases directed at advancing knowledge applicable to precision medicine.

- The award amount of the “Pilot for Established Investigators” has been raised to $50K.

Key Dates

- Fall 2017 Cycle
  - Call for Applications: August 21, 2017
  - Application Deadline: September 18, 2017
  - 2:00 pm PST
  - Award Notifications: Spring; End of May 2017
  - Fall: End of May 2017

- Two Cycles per Year
  - Fall Deadline: September
  - Spring Deadline: February
Career Development

- Family Support Award
- Gilead HIV Cure Mentored Scientist Award (New)
- Hardship Awards
- Independence Support Award
- Mentored Scientist Award Program in HIV/AIDS
- New Direction Awards (Discontinued)
- Re-entry
- Under-Represented Faculty & Senior Fellows in Clinical and Translational Research Awards

International

- Global Cancer Pilot Award (New)
- International Mentored Scientist Award Program in HIV/AIDS

Multidisciplinary

- One-Year Innovation Award in Prematurity Research
- Pilot Award in Precision Imaging of Cancer and Therapy
- Team Science Grant

Pilots

- Alzheimer Disease Research Center (ADRC) Pilot
- CAPS-HIV Innovative Grants
- Informing Tobacco Product Regulation
- Integrative Cancer Pilot Awards
- Integrative Dementia Pilot Award
- Pilot Award for Pancreas Cancer (New)
- Pilot Award for Investigators New to HIV
- Pilot for Established Investigators in Basic and Clinical/Translational Sciences
- Pilot for Junior Investigators in Basic and Clinical/Translational Sciences
- Program on Non-Aids-defining Cancer, HIV and Aging
- UCSF Diabetes Research Center (DRC) Pilot and Feasibility Awards (Spring Cycle Only)

Technology

- Catalyst Awards for the Development of Diagnostics, Devices, Therapeutics and Digital Health Solutions
Other extremely useful grant-writing resources

- https://researchtraining.nih.gov/programs/career-development
- http://www.niaid.nih.gov/researchfunding/Pages/default.aspx
- http://grants.nih.gov/grants/grant_basics.htm
- http://grants.nih.gov/grants/grant_tips.htm
Grants administration

Pre-award
• Budgeting
• Letters of support
• Paperwork/signatures
• Biosketches and other support pages
• Uploading documents
• Internal deadlines

Post-award
• Hiring and purchasing
• Budget projections
• Progress reports
• Agency correspondence
Obtaining IRB Approval

- Committee on Human Research: www.research.ucsf.edu/chr/index.asp
- Call CHR 415-476-1814 for planning and advice
- Expedited Review vs. Full Committee Review
- UCSF/CITI Human Subjects Protection Basic Course
- Allow 4-10 weeks for approval
- ZSFG and VA require additional approvals
Panelist Tips on Obtaining Research Funding
Outline

• Managing Time
• Building a research portfolio
• Obtaining funding
• Writing papers
Writing Papers

• Carve out writing days, times and even places
• Make weekly/monthly writing goals & calendar
• Shed perfectionistic tendencies
• Collaborate with peers, postdoctoral fellows, students
• Diversify projects: low-risk and high-risk
• Carefully choose research topics
Carefully Choose Research Topics

- Importance
- Feasibility

- Senior Investigator
- Mid-career Investigator
- Junior Investigator

AVOID
Authorship (order of importance*)

1. First author
2. Last author (senior)
3. Second author
4. Penultimate author
5. Middle authors

* Relative to field and series, merit and promotion

Clarify up front, preferably in writing

International Committee of Medical Journal Editors' website "Who is an author?" which lists roles and responsibilities of authorship
Authorship Criteria

1. Substantial contributions to conception or design; or acquisition, analysis, or interpretation of data; AND
2. Draft paper or revise it critically for important intellectual content; AND
3. Final approval of version to be published; AND
4. Agreement to be accountable for all aspects of the work; ensure questions related to accuracy/integrity are appropriately investigated and resolved.

Authors should be accountable for their work, identify contributions of co-authors, and have confidence in everyone’s integrity.
Tidbits on Writing

• Discuss authorship and corresponding author early, send email to confirm but authorship can change if someone does not do their share.
• Drafts are drafts; they can be rough when shown to colleagues for input (avoid perfection timesink)
• Set time aside for writing
• Different methods to help a trainee write a paper depends on trainee
  • Prep an outline
  • Prep a timeline
  • Have them write specific sections
  • Have them prepare an Abstract
  • Have them give a presentation of the work for the proposed paper
  • Sketch out figures and tables
Tidbits on Writing cont.

- Prepare figures and tables at manuscript quality as you’re going along
- As PI, set the specs for figures and data presentation in the lab – what software package, what style, what colors for controls vs. samples
- Review target journal’s format and guidelines for manuscript preparation
- Take Mimi Zeiger writing courses on campus
Tidbits on Grants and Funding

• Diversify your funding portfolio
• Remember that grants need to be tailored to an agency and to the RFA/FOA; this means that it is a bit of a marketing piece.
• Be careful when considering hiring new people too soon, using small grant awards
• Sign up for training to use the Pivot funding opportunity database search tool (through RDO)
• Innovation & Technology Alliance (ITA) offers workshops on entrepreneurship; QB3 and CTSI also offer resources to help with understanding the business aspects