

Managing Your Research Career

Behavioral and Clinical Sciences

Michael Cabana, MD, MPH (Medicine)

Stuart Gansky, DrPH (Dentistry)

Kirby Lee, PharmD, MA, MAS (Pharmacy)

Janet Shim, PhD (Nursing)

UCSF Faculty Development Day

September 10, 2015

Outline

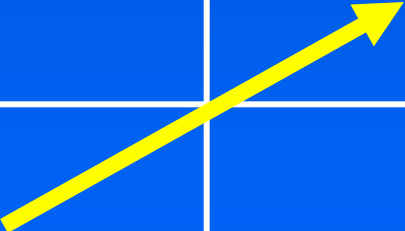
- Managing Time
- Building a research portfolio
- Obtaining funding
- Writing papers
- Obtaining CHR approval

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

	Urgent	Not-urgent
Important	A	B
Not important	C	D



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

Outline

- Managing Time
- Building a research portfolio
- Obtaining funding
- Writing papers
- Obtaining CHR approval

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
 - 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

UCSF Accelerate

Access CTSI services to enable research

 Powered by CTSI

[Home](#) [Conducting Research](#) [Training](#) [Funding](#) [For Community Partners](#)

Resource Finder

e.g., data analysis, K award



Research Consultation

Get help with Biostatistics, Study Design, Data Management & more

How To...

Write a Grant Proposal

Work with Community

Work with Industry

Work with Large Datasets

[And more >>](#)

Clinical Research

Services include Nursing, Sample Processing, Recruitment & more

Important Dates

JUL 9 [DARPA Funding Opportunities in Bio+Tech](#)

JUL 21 [Mentoring for Success Training Program Orientation](#)

[See more events & deadlines >>](#)

Training Opportunities

Develop your clinical & translational research skills

Ask Us

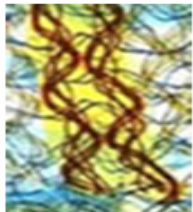


Get your questions answered!

Courtney McFall
Research Navigator

[CONTACT US](#)


Featured CTSI Service





Bioinformatics Data Analysis Consultation Service


Get advice and assistance with analysis for data deriving from genomics, proteomics, microarrays, sequence and other high throughput biotechnologies, as well as general biological data mining.


Other Essential Resources

 [UCSF Cores Search](#)

 [UCSF Profiles](#)

 [UCSF Open Proposals](#)

 [Research Allocation Program \(RAP\)](#)

 [Clinical Research Resource HUB](#)

UCSF Accelerate

Access CTSI services to enable research

 Powered by CTSI

[Home ▾](#)[Conducting Research ▾](#)[Training ▾](#)[Funding ▾](#)[For Community Partners ▾](#)[Home »](#)[Overview](#)

Conducting Research

[Request A Consultation](#)[Clinical Research Services](#)

Resources

[Work With Community](#)

Get Research

[Informatics Resources](#)

- › Consultation
- › Talk to a Researcher

[Comparative Effectiveness Research \(CER\) Resources](#)

Conducting Research

[Work With Large Datasets](#)

- › Clinical Research
- › Recruitment
- › Data Safety Monitoring
- › Sample Size Calculators
- › Maximizing Email Survey Response Rates
- › Additional Clinical Research Resources

[Digital Health Resources](#)[Ask A Question](#)

Find & Collaborate with Experts

- › Collaboration Resources

UCSF and affiliated institutions

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

Additional Resources

- [Clinical Research Resource HUB](#)
- [Office of Research](#)
- [Office of Sponsored Research](#)
- [Committee on Human Research \(CHR\)](#)
- [Library and Center for Knowledge Management](#)
- [Gartner Research Portal](#)

Other Essential Resources

-  [UCSF Cores Search](#)
-  [UCSF Profiles](#)
-  [UCSF Open Proposals](#)
-  [Research Allocation Program \(RAP\)](#)
-  [Clinical Research Resource HUB](#)



[Home](#) »

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](#)

Work with Data & Technology

- › [Informatics Resources](#)
- › [Work with Large Datasets](#)
- › [Digital Health Resources](#)
- › [Preclinical CRO Vendor Program](#)

Engage with Research Partners

- › [Work with Community](#)
- › [Work with Industry FAQ](#)
- › [Catalyst Awards](#)

Conduct Comparative Effectiveness Research (CER)

- › [CER Resources](#)
- › [Large Dataset Inventory](#)

Find & Collaborate with Experts

- › [Collaboration Resources](#)
- › [Global Research Projects](#)

Additional Resources

[Clinical Research Resource HUB](#)
[Office of Research](#)
[Research Investigator Handbook](#)
[Office of Sponsored Research](#)
[Committee on Human Research \(CHR\)](#)
[Library and Center for Knowledge Management](#)

Other Essential Resources

-  [UCSF Cores Search](#)
-  [UCSF Profiles](#)
-  [UCSF Open Proposals](#)
-  [Research Allocation Program \(RAP\)](#)
-  [Clinical Research Resource HUB](#)



Request Consultations to Help with Your Research

Rate information:

- [Consultation Services Recharge Policy](#) - initial hour is free per project.
- Services marked ★ below are free for the entire consultation period.

Questions? Interested in becoming a consultant? [Email us](#) or call 415-514-8086

General Consultation Services

Bioinformatics Data Analysis	Details ▾	Request Consultation
Biostatistics	Details ▾	Request Consultation
Data Management	Details ▾	Request Consultation
Recruitment Services	Details ▾	Request Consultation
Study Design and Implementation	Details ▾	Request Consultation

Specialized Consultation Services

Biobehavioral Measurement	Details ▾	Request Consultation
ClinicalTrials.gov	Details ▾	Request Consultation
★ Collaborating with Kaiser Researchers	Details ▾	Request Collaboration with Kaiser
★ Collaborating with UCSF Researchers	Details ▾	Request Consultation
★ Community-Engaged Research	Details ▾	Request Consultation

Grant Writing Help

Applying to PCORI?

Get up to 6 hours of free consultation to develop proposals for Patient Centered Outcomes Research Institute (PCORI) funding

Applying for K awards?

Get up to 15 hours of free consultation on biostatistics, ethics, design or data management — [Learn more about the K Trial](#) or [request a Study Design consultation](#) to participate

[K Proposal Library](#) — learn from successful UCSF grant applications and reviews

The Self-Help Shelf

[Sample Size Calculators](#)

[Randomization Tools](#)

[Data Safety Monitoring Protocol Library](#)

[7 Keys to Maximizing Email Survey Response Rates](#)

[Recruitment Resources Tip Sheet](#)

successful protocols. Whether you are a researcher, an industry collaborator, or a study participant, we will help you conduct your clinical research study.

> [Guidelines & Application Process](#)

- [CRS Recharge Rate Summary \(xls\)](#)
- [CRS Recharge Rate Announcement \(pdf\)](#)
- [CRS Cost Recovery Implementation Policy](#)
- [CRS 2015 Holiday Budgeting Schedule \(doc\)](#)

Questions? Please email [Eunice Stephens](#) or call 415-830-2369.

Clinical Research Services & Facilities

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

	San Francisco General Hospital	UCSF Parnassus	Mount Zion Hospital	Benioff Hospital Pediatrics & NCRC	Tenderloin Center	CHORI Children's Hospital Pediatrics & Adults	Kaiser Oakland Research Unit	Veterans Affairs Medical Center
Inpatient Services	✓	✓		✓				
Outpatient Services	✓	✓		✓	✓	✓	✓	✓
Nursing Services	✓	✓		✓	✓	✓	✓	✓
Bionutrition Services	✓	✓	✓	✓		✓	✓	
Body Composition & Exercise		✓						
Sample Processing	✓	✓	✓	✓	✓	✓	✓	✓
Newborn Intensive Care				✓				
Lead Lined Room				✓				
Neurodevelopment Testing				✓				

- [Guidelines & Application Process](#)
- [Frequently Asked Questions](#)
- [CRS Forms](#)
- [Recharge Rate Summary](#)
- [Resources for Grant Applications](#)
- [Training Resources](#)
- [Scientific Review Only](#)
- [Community: Information for Participants](#)

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

More Information

Contact us at
ctsi.consulting@ucsf.edu ✉

[Work with Large Datasets](#)

[Large Dataset Inventory](#)

[Data Use Process](#)

[Online Browsable Datasets](#)

[Additional Dataset Resources](#)

[Comparative Effectiveness Research Resources](#)

[Comparative Effectiveness Research Funding Opportunities](#)

[Informatics Resources](#) — learn about Research Electronic Data Capture, MyResearch secure data hosting, Integrated Data Repository, and more



Home »

Training & Advancement

Designed to train UCSF's new generation of researchers

Get an Overview

- › UCSF Training & Advancement Opportunities Matrix
- › Career Advancement Library
- › Training in Clinical Research (TICR) Program
- › CTSI Online Education Curriculum

For Trainees

- › Clinical and Translational Research Fellowship Program (CTRFP)
- › Catalyst Awards Internship Program
- › Clinical Research Services Training

Overview

UCSF Opportunities Matrix

CTSI Online Education

Training In Implementation Science

Mentor Development Course

Clinical & Translational Research Fellowship Program

Faculty Opportunities

Resident Opportunities

Trainee Opportunities

Mentoring

- › Junior Faculty Mentoring Program
- › Mentor Development Program
- › Mentor Development Online Course

Grant Writing Training

Additional Resources

- Office of Career & Professional Development
- Nurturing Diversity at UCSF
- School of Medicine Faculty Development
- Entrepreneurship Center
- Graduate Programs and Degrees
- Mini Medical School
- TIP-TOP: Teaching Observation Program
- Epidemiology Seminars
- Professional Success Skills
- UCSF Featured Academic Events

Training & Advancement

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

Get an Overview

- › [UCSF Training & Advancement Opportunities Matrix](#)
- › [Career Advancement Library](#)
- › [Training in Clinical Research \(TICR\) Program](#)
- › [CTSI Online Education Curriculum](#)

For Trainees

- › [Clinical and Translational Research Fellowship Program \(CTFRP\)](#)
- › [Catalyst Awards Internship Program](#)
- › [Clinical Research Services Training](#)
- › [Designing Clinical Research for Clinical Trainees \(DCR-CT\)](#)
- › [Pre-Health Undergraduate Program \(PUP\)](#)
- › [Opportunities Designed for Trainees](#)

For Residents

- › [Designing Clinical Research for Clinical Trainees \(DCR-CT\)](#)
- › [Catalyst Internship Program](#)
- › [Opportunities Designed for Residents](#)

For Faculty

- › [K Scholars Program](#)
- › [KL2 Scholars Program](#)
- › [Training in Implementation Science](#)
- › [Responsible Conduct of Research \(RCR\) Online Course](#)
- › [Opportunities Designed for Faculty](#)

Mentoring

- › [Junior Faculty Mentoring Program](#)
- › [Mentor Development Program](#)
- › [Mentor Development Online Course](#)

Grant Writing Training

- › [Writing NIH Mentored K Award Applications](#)
- › [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](#)

Additional Resources

- [Office of Career & Professional Development](#)
- [Nurturing Diversity at UCSF](#)
- [School of Medicine Faculty Development](#)
- [Entrepreneurship Center](#)
- [Graduate Programs and Degrees](#)
- [Mini Medical School](#)
- [TIP-TOP: Teaching Observation Program](#)
- [Epidemiology Seminars](#)
- [Professional Success Skills](#)
- [UCSF Featured Academic Events](#)

For Community Partners

Services, resources and training that develop and sustain partnerships 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

[Overview](#)[Linkage Service](#)[Training For Community Members](#)[Collaborative Research Network](#)[Working With Researchers](#)[Involved](#)

[San Francisco Bay Area Collaborative Research Network \(CRN\)](#)
[community clinicians](#)

[Follow us on Twitter](#)

[Contact us to suggest a resource, pose a research question, or request information on research findings](#) ✉

Community Engagement & Health Policy on Twitter

Tweets

[Follow](#)

Urban Habitat
@Urban_Habitat

5h

We're now accepting applications for the 2016 BCLI. Help spread the word! eepurl.com/bwM1qf
↗ Retweeted by CE and HP UCSF CTSI
[Expand](#)



SF Human Rights
@SFHumanRights

5 Aug

@UCSFMedicine Congratulations to your students who started #WhiteCoatsforBlackLives on their 2015 Hero Award!
pic.twitter.com/RqWBIPPIi
↗ Retweeted by CE and HP UCSF CTSI



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 \(UCPP\)](#)

<http://hub.ucsf.edu/>



Clinical Research Resource *HUB*[®]

tools, templates, guidance and go-to ...

STAGES OF RESEARCH

- Design Study
- Set Up Study
- Conduct Study
- Close Out Study

TRIAL MANAGEMENT

- Consent Development
- Coverage Analysis & Budget
- Data & Safety Monitoring
- Data Management
- Feasibility Guidance
- Protocol Development
- Recruitment Strategy
- Regulatory Binder
- Safety Reporting
- Study Management

REGULATORY

- 21 CFR Part 11 Compliance
- ClinicalTrials.Gov
- FDA & OHRP Inspections
- FDA Alerts

The *HUB* provides a single portal to resources, expertise, and best practices for investigators, study staff, participants and partners/affiliates.

Click Below to Get Started!



WHO YOU ARE

- Investigators
- Study Staff
- Participants
- Partners & Affiliates

TRAINING

- APex / STOR / UCare
- Clinical Research Coordinators
- Good Clinical Practice
- Human Subjects
- iRIS / CHR
- Investigator Resources
- OnCore
- Safety Courses

UCSF QUICK REFERENCE

- About the HUB
- Contracts and Grants
- Cores Search
- Ethics & Compliance
- Glossaries

STAGES OF RESEARCH

Design Study
Set Up Study
Conduct Study
Close Out Study

TRIAL MANAGEMENT

Consent Development
Coverage Analysis & Budget
Data & Safety Monitoring
Data Management
Feasibility Guidance
Protocol Development
Recruitment Strategy
Regulatory Binder
Safety Reporting
Study Management

REGULATORY

21 CFR Part 11 Compliance
ClinicalTrials.Gov
FDA & OHRP Inspections
FDA Alerts
IDE Development Process
IND Development Process
SOPs

Resources for Investigators

PRE-STUDY

Conflict of Interest
Consent Development
Funding Opportunities
iMedRIS / CHR
Investigator Resources
Protocol Development
Feasibility & Review
Trial Budgeting
Working with Industry
Working with Community

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
APeX
Specimen Management
Study Management Tools
SOPs

WHO YOU ARE

Investigators
Study Staff
Participants
Partners & Affiliates

TRAINING

APex / STOR / UCare
Clinical Research Coordinators
Good Clinical Practice
Human Subjects
iRIS / CHR
Investigator Resources
OnCore
Safety Courses

UCSF QUICK REFERENCE

About the HUB
Contracts and Grants
Cores Search
Ethics & Compliance
Glossaries
ICH GCP Guidelines
My Access
Profiles at UCSF
UCSF Policies

Outline

- Managing Time
- Building a research portfolio
- Obtaining funding
- Writing papers
- Obtaining CHR approval

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

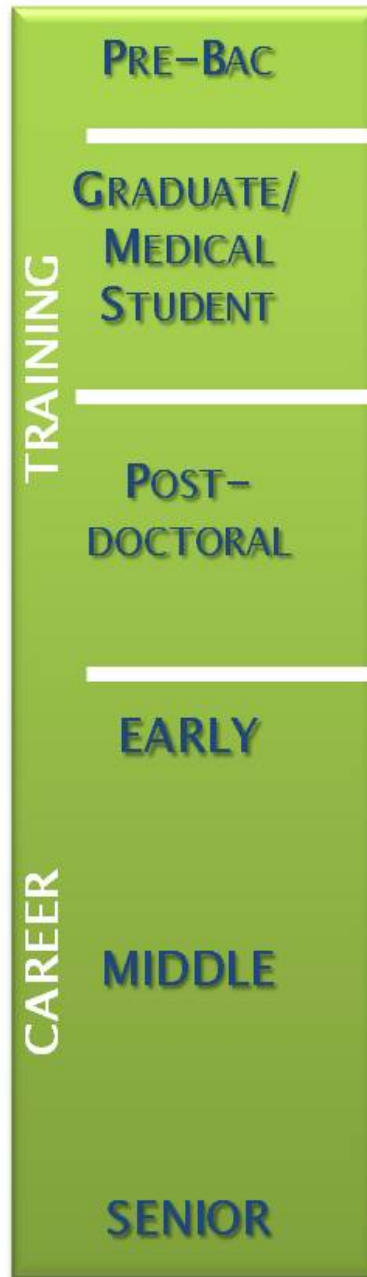
NIH Grants

(National Institutes of Health)

Small Grant (R03)

Exploratory /
Developmental
Grant (R21)

Research Project
Grant (R01)



- ← Institutional Training Grant (T34)
- ← Institutional Training Grant (T32)
- ← Individual NRSA Fellowship (F31, F30)
- ← Institutional Training Grant (T32)
- ← 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.

[Home »](#)

Funding

Grants and resources available to all research 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 Research

Overview

CTSI-Sponsored RAP Funding

Catalyst Award

Grant Writing Guidance

K Proposal Library

T32 Proposal Library

Faculty Career Development Awards

Postdoctoral Funding

Resident Funding

Promote Diversity in Health-Related Research

Intramural and Extramural

- Postdoctoral Fellowships

Grant Writing Guidance

- Writing NIH Mentored K Award Applications
- How to Write a PCORI Grant
- K Proposal Library (K08, K23, K24, K99)
- T32 Proposal Library
- Diversity Supplement Proposal Library
- Data Safety Monitoring Protocol

Additional Resources

[Resource Allocation Program \(RAP\)](#)

[Office of Sponsored Research Resources](#)

[Office of Sponsored Research News](#)

[Limited Submission Opportunities \(LSOs\)](#)

[Pivot Funding Opportunities](#)

Funding

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 and Fellows

Intramural

- › Research and Travel Funding for Residents
- › NIH Research Supplements to Promote Diversity in Health-Related Research

Intramural and Extramural

- › Postdoctoral Fellowships

Grant Writing Guidance

- › Writing NIH Mentored K Award Applications
- › 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

[Resource Allocation Program \(RAP\)](#)

[Office of Sponsored Research Resources](#)

[Office of Sponsored Research News](#)

[Limited Submission Opportunities \(LSOs\)](#)

[Pivot Funding Opportunities](#)

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: www.pfizerfellowships.com/Partnerships.aspx



Faculty Career Development Awards

- ↓ On this page :
- [Resource Allocation Program \(RAP\)](#)
 - [UCSF Institutional Career Development Awards \(K12\)](#)
 - [NIH Faculty Career Development Awards](#)
 - [Other Career Development Awards](#)

UCSF Resource Allocation Program (RAP)

The **Resource Allocation Program (RAP)** provides a variety of UCSF funding opportunities, including these sponsored by CTSI:

- **Under-Represented Faculty in Clinical and Translational Research Awards** These awards aim to encourage fellows and junior faculty from economically or educationally disadvantaged backgrounds to remain in academia.
- **New Child Leave Award** Provides support for clinical and translational research faculty who are returning to work after parental leave by relieving them of non-research responsibilities for up to 3 months following family leave.
- [See all RAP Career Development Awards](#)

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

See also...

[Office of Sponsored Research:](#)

[Funding Resources](#)

[News & Notices](#)

[Limited Submission Applications](#)

Apply for funds!



[Learn More & Apply](#)

Next Application Deadline:

September 21, 2015, 2pm

Apply for intramural funding via the UCSF umbrella organization: Resource Allocation Program (RAP)

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](#)

Tell Us What You Think



Explore and rate our [libraries of successful proposals](#)

The Self-Help Shelf

[Sample Size Calculators](#)

[Randomization Tools](#)

[Recruitment Resources Tip Sheet](#)

[UC ReX: identify potential research study cohorts across UC's five medical centers](#)

[Data Safety Monitoring Protocol Library](#)

[7 Keys to Maximizing Email Survey Response Rates](#)

Research grants

- UCSF intramural grants – <http://rap.ucsf.edu/grants/>
- UC Office of the President Research Funding Programs
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/>

osr.ucsf.edu

UCSF Office of Sponsored Research

[Search](#)

[About Us](#)

[News](#)

[Our Offices](#)

[Uniform Guidance](#)

[Build
Collaborations](#)

[Find Funding
Opportunities](#)

[Develop a
Proposal](#)

[Set Up an
Award](#)

[Manage
an Award](#)

[Services](#)

[Resources](#)

[Find Support](#)

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

[Our Offices](#)

[News](#)

[FAQs](#)

[Facts & Figures](#)

Research Management Services



Research Management Services (RMS) provides expert administrative support to all researchers, from pre-award through the

Government & Business Contracts



GBC provides expert services including proposal development, contract negotiation and award acceptance to faculty seeking

Our Partners



The Office of Sponsored Research (OSR) partners with a range of administrative units at UCSF in order to provide seamless

General Funding Resources

- PIVOT – <http://pivot.cos.com/>) from the new UCSF OSR website, sign-up for training or just set-up free automated search in your area of interest
- Foundations – www.fdncenter.org; www.cof.org
- Federal government opportunities – www.grants.gov
- Grantmakers in health – www.gih.org
- Grateful patients (via development office)

PIVOT Database Training Dates

Pivot™ Funding Opportunities Database

Pivot is one of the most comprehensive searchable funding opportunities databases available, with approximately 40,000 opportunities that are private, federal and international in nature. Pivot allows researchers to search funding opportunities, save results, set automated funding alerts, and identify potential collaborators.

Pivot is free to all UCSF faculty, staff and students. To create an account, go to the Pivot [registration page](#) and follow instructions. Upon creating an account, an email will be sent to your email address you will need to verify.

Pivot Training

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.

Training Schedule:

RDO (for faculty and staff)

Parnassus: September 8; November 10; January 12; March 8; May 10

Mission Bay: October 13; December 8; exact dates for February, April and June TBD

Contact: [Gail Fisher](#) for more information

UCSF Library (for post-docs and students)

Parnassus Library:

Mission Bay: (class of 15) [September 29](#)

Mission Bay - Mission Hall Hub: Pop-up (individual consultation) session (UCSF affiliates), [September 30](#)

For future Pivot trainings and Pop-up sessions, please check the [class schedule](#).

Contact: [Min-Lin Fang](#) for more information

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

Other extremely useful grant-writing resources

- <http://grants.nih.gov/training/resources.htm>
- <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
- <http://grants.nih.gov/grants/oer.htm>
- <http://grants.nih.gov/grants/sitemap.htm>
- http://grants.nih.gov/grants/useful_links.htm
- <http://grants.nih.gov/grants/guide/listserv.htm>

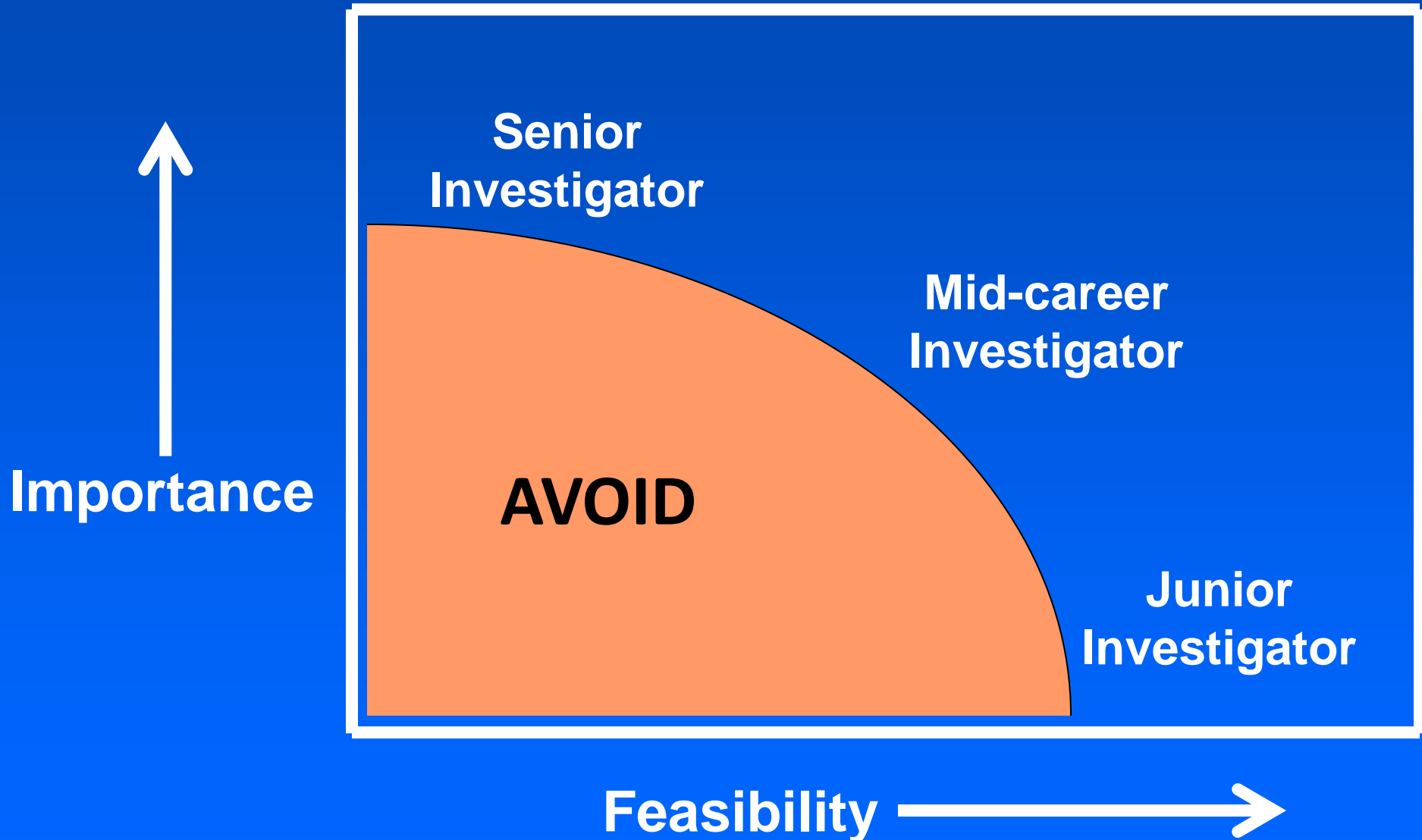
Outline

- Managing Time
- Building a research portfolio
- Obtaining funding
- Writing papers
- Obtaining CHR approval

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



Authorship (order of importance*)

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



Clarify up front,
preferably in writing

* Relative to field and series, merit and promotion

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

<http://www.icmje.org/recommendations/browse/roles-and-responsibilities/defining-the-role-of-authors-and-contributors.html>

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.

Outline

- Managing Time
- Building a research portfolio
- Obtaining funding
- Writing papers
- Obtaining CHR approval

Obtaining CHR/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
- SFGH and VA require additional approvals

Q & A

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 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