

Research Resources for Medical Students

I. Doing the Research

A. Finding a Project or Mentor

- **Posters presented by University of California, Davis students and their mentors:**
<https://health.ucdavis.edu/mdprogram/research/posterday.html>
- **University of California, Davis Profiles:**
<https://profiles.ucdavis.edu/search/>
- **Scopus Database (VPN required for off-campus access):**
<https://www.scopus.com/search/form.uri?display=basic>

B. Quality Improvement Program

- **Annual University of California, Davis Health Quality Forum** to meet potential QI research mentors: <https://health.ucdavis.edu/quality/forum/>
- **Quality Improvement (QI) Project for Residents and Fellows at University of California, Davis Health:** <https://health.ucdavis.edu/quality/pdfs-powerpoints/QI%20project%20resources%20for%20residents%20and%20fellows.pdf>
- **Main Contact: Dr. Ulfat Shaikh, ushaikh@ucdavis.edu**

C. Global Health Program

- **University of California, Davis Global Health**
<https://health.ucdavis.edu/mdprogram/studentlife/Global%20Health/GlobalHealth.html>
- **Main Contact: Dr. Michael Wilkes, [mswilkes@ucdavis.edu](mailto:mwilkes@ucdavis.edu)**

D. Resources to Help with Research Design

- **SQUIRE 2.0 Guideline for QI research:**
<http://www.squire-statement.org/>
- **Request a Research Consultation:**
Contact Librarians at Blaisdell Medical Library (BML):
bmlref@ucdavis.edu
- **Health Equity Resources and Outreach (HERO):**
The CTSC's HERO program shares a variety of resources in support of health equity in research, including the health equity library guide, data resources and recommended websites. The HERO team provides

consultations to aid researchers in diversifying their studies, engaging special populations and methods for making research data more equitable throughout the research data lifecycle.

HERO Resources: <https://health.ucdavis.edu/ctsc/area/hero/health-equity-resources>

HERO Services: <https://health.ucdavis.edu/ctsc/area/hero/services>

- **Systematic Review Guide from University of California, Davis Library:** <https://guides.library.ucdavis.edu/systematic-reviews>
- **Citation Management Tools and Styles from University of California, Davis Library:** <https://library.ucdavis.edu/citations/>

E. Data and Informatics Resources

- **Health Data Resources:**
Offers a compilation of the data assets, software tools, and analytics support resources available at University of California, Davis Health to optimize access to, and facilitate the most effective use of data: <https://health.ucdavis.edu/data/>
- **Health Data Services:** <https://health.ucdavis.edu/data/services.html>
- **Health Data Extraction for Research:**
An intake specialist will triage your request and send you a communication on how we will be able to help you and what you can expect. https://ucdh.service-now.com/itss?id=sc_cat_item&sys_id=1b8b533edb678850e613327e9d9619bf&sysparm_category=94831b1edba050101b1c349f9d96192f&catalog_id=-1
- **Institutional Review Board (IRB):** IRB Education, Training, and Outreach [Document Link](#)
- **Institutional Review Board (IRB) Administration:**
Includes guidance about whether a project needs IRB Review, as well as how to submit to the IRB: <https://research.ucdavis.edu/policiescompliance/irb-admin/>
- **Statistics (Design/Analysis) from the CTSC:** <https://health.ucdavis.edu/ctsc/area/biostatistics/index.html>
- **Research Data Management and Sharing Plans:**
NIH Data Management and Sharing Policy from the CTSC: <https://health.ucdavis.edu/ctsc/area/informatics/nih-data-management-data-sharing-policy>
Research Data Management and Sharing Guide from University of California, Davis Library: <https://guides.library.ucdavis.edu/data-management>

Contact Blaisdell Medical Library: bmlref@ucdavis.edu

- **DataLab:**
Offers training and consultations related to data analysis and visualization, including text mining and GIS data mapping: <https://datalab.ucdavis.edu/>
- **See also: IV. Resources for Help in Statistics and Learning R**

II. Presenting Research

- **General guidelines for research posters:**
<https://sites.google.com/ncsu.edu/effective-posters/>

III. Publishing Research

- **Writing – University of California, Davis Free-lance Editors:**
https://research.ucdavis.edu/resources/grantwriting/freelance_editors/
- **Guidelines for Writing Manuscripts:** [Document link](#)
- **Structure of a Science Paper:** <https://www.elsevier.com/connect/11-steps-to-structuring-a-science-paper-editors-will-take-seriously>
- **Open-Access Publishing from University of California, Davis Library:**
<https://www.library.ucdavis.edu/service/open-access-publishing/>

IV. Resources for Help in Statistics and Learning R

- **University of California, Davis DataLab, Intro to R**
<https://datalab.ucdavis.edu/archive/>
- **Data Carpentry**
<https://datacarpentry.org/R-ecology-lesson/index.html>
- **STHDA (Statistical data analysis/data visualization)** <http://www.sthda.com/english/wiki/r-basics-quick-and-easy>
- **For plotting using R's ggplot2**
<http://www.sthda.com/english/wiki/ggplot2-essentials>
- **University of California, Los Angeles Institute for Digital Research and Education (IDRE)**
<https://stats.idre.ucla.edu/other/dae/>
- **Biostatistics, Epidemiology, and Research Design**
<https://health.ucdavis.edu/ctsc/area/biostatistics/>