

Research Resources for Medical Students

I. Doing the Research

A. Finding a Project/Mentor

- Posters presented by UC Davis students and their mentors:
<https://health.ucdavis.edu/mdprogram/research/posterday.html>
- Scopus: (VPN required for off-campus access)
<https://www.scopus.com/search/form.uri?display=basic>
- UC Davis Profiles: <https://profiles.ucdavis.edu/search/>
- Research Mentor Series: https://health.ucdavis.edu/mdprogram/research/mentor_series.html

B. Quality Improvement Program

- Annual UC Davis Health Quality Forum to meet potential QI research mentors:
<https://health.ucdavis.edu/quality/forum/>
Main Contact: Dr. Ulfat Shaikh, ushaikh@ucdavis.edu

C. Global Health Program

<https://health.ucdavis.edu/mdprogram/studentlife/Global%20Health/GlobalHealth.html>
Main Contact: Dr. Michael Wilkes, mswilkes@ucdavis.edu

D. Resources to help with research design

- Request a consultation with a Librarian at Blaisdell Medical Library.
Contact: bmlref@ucdavis.edu
- Guide to Systematic Reviews: <https://www.library.ucdavis.edu/guide/systematic-reviews/>
- About citation styles and citation management tools:
<https://www.library.ucdavis.edu/guide/citation-styles/>
- SQUIRE 2.0 Guideline for QI research: <http://www.squire-statement.org/>
- Training for clinical trial design: <https://health.ucdavis.edu/ctsc/area/clinicaltrials/>
- Guide to Translational research resources (methods & protocols), UCD Library:
<https://www.library.ucdavis.edu/guide/translational-research-resources/>
- Health Equity Resources & Outreach (HERO):
<http://future.ucdavis.edu/ctsc/area/HERO/health-equity-resources.html>

The HERO website shares a variety of resources to support of health equity in research. 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.

E. Data and Informatics Resources

- Research data management and sharing plans:
<https://health.ucdavis.edu/data/researchdatamanagement.html>
Contact Blaisdell Medical Library: bmlref@ucdavis.edu
- DataLab- Contact the DataLab for data analysis related training and questions:
<https://datalab.ucdavis.edu/>
- Statistics (Design/Analysis) – CTSC:
<https://health.ucdavis.edu/ctsc/area/biostatistics/index.html>
- Electronic Medical Record (EMR) Data retrieval for Research:

An intake specialist will triage your request and send you a communication about what you can expect.

https://ucdh.service-now.com/itss?id=sc_cat_item&sys_id=1b8b533edb678850e613327e9d9619bf&sysparm_category=94831b1edba050101b1c349f9d96192f&catalog_id=-1

- Health Data Resources: A portal for data assets, software tools, and analytics support resources available at UC Davis Health to optimize access to data, and facilitate the most effective use. <https://health.ucdavis.edu/data/researchers.html>
- Assistance in submitting an Institutional Review Board (IRB) application:
<https://research.ucdavis.edu/policiescompliance/irb-admin/>
Identify your project as student research and it will be fast-tracked.

II. Presenting the Research

- General guidelines for research posters:
<https://projects.ncsu.edu/project/posters/EffectiveAbstract.html>
- Quality improvement posters:
<http://www.ihl.org/education/IHIOpenSchool/resources/Pages/Posterboards/default.aspx>

III. Publishing the Research

- Writing – UC Davis Free-lance Editors:
<https://research.ucdavis.edu/resources/grantwriting/freelance-editors/>
- Guidelines for Writing Manuscripts: <https://www.elsevier.com/connect/11-steps-to-structuring-a-science-paper-editors-will-take-seriously>
- Identifying Journals for Publication. Contact Librarians at Blaisdell Medical Library:
bmlref@ucdavis.edu
- UC Davis Open Access Fund: <https://www.library.ucdavis.edu/guide/open-access-fund/>

IV. Resources for help in statistics and learning R

- UC 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>
- UCLA Institute for Digital Research & Education (IDRE) <https://stats.idre.ucla.edu/other/dae/>
- Biostatistics, Epidemiology, and Research Design <https://health.ucdavis.edu/ctsc/area/biostatistics/index.html>