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
   - PURE Experts: https://ucdavis.pure.elsevier.com
   - Scopus: (VPN Access required) https://www.scopus.com/search/form.uri?display=basic
   - UC Davis Profiles: https://profiles.ucdavis.edu/search/

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://globalhealth.ucdavis.edu/
   - 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 and citation management tools:  
  https://www.library.ucdavis.edu/guide/citation-styles/
• Training for clinical trial design:  
  https://health.ucdavis.edu/clinicaltrials/Training/training.html
• SQUIRE 2.0 Guideline for QI research:  
  http://www.squire-statement.org/
• Guide to Translational research resources (methods & protocols), UCD Library:  
  https://www.library.ucdavis.edu/guide/translational-research-resources/

E. Data and Informatics Resource
• Data management/data sharing plans & informatics questions:  
  Contact BML's Health Library Informaticist:  
  https://www.library.ucdavis.edu/author/christy-navarro/
• 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:  
  https://health.ucdavis.edu/ctsc/area/informatics/DataRetrieval.html

• Health Data Resources: the Health Data Resources site is a compilation of the data assets, software tools, and analytics support resources available at UC Davis Health to optimize access to, and facilitate the most effective use of data.  
  https://health.ucdavis.edu/data/researchers.html
• Health Data Office Hours- 1st Friday of each month, Noon-2pm at https://ucdavishealth.zoom.us/j/95513002981
• Assistance in submitting an Institutional Review Board (IRB) application:  
  https://research.ucdavis.edu/policiescompliance/irb-admin/
II. Presenting the Research

- General guidelines for research posters:
  https://projects.ncsu.edu/project/posters/EffectiveAbstract.html
- Quality improvement posters
  http://www.ihi.org/education/IHIOpenSchool/resources/Pages/Poster_boards/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
- 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/