Summer Research Opportunities for Dental Students: 2021

- [http://dental.case.edu/research](http://dental.case.edu/research)
  (click on student summer research on the menu)
Summer Research Goals

- participate in the process of scientific investigation;
- gain first-hand knowledge and experience with the methodology required for research;
- collect, analyze and interpret the project data under the guidance of their faculty mentor;
- present findings at local/national meetings

Design, Collect, Organize, Describe, Analyze, Share: D-CODAS
Key Points from the Announcement

1) At this time, funding is not guaranteed. There will be a handful of small stipends ($500), but there is no availability for travel reimbursement.

2) There will still be an application process and several virtual 1-hr seminars about research and the IRB.

3) The timeline for projects will be more flexible.

4) The projects must be COVID compliant; the most likely projects to consider will be lab-based work, anonymous surveys, secondary data analysis; a chart review only if the mentor has a currently active IRB to which you would be added.

5) You must complete the human subjects training (online and free – takes several hours) and fill out a conflict of interest form for any human subjects project.

6) The new process for selecting representatives for national meeting (funded travel) will be a Fall (October, 2021) Professional’s Day program.

7) See the Student Research Page for information.
https://case.edu/dental/research/student-research
Summer Research Application

- Identify a mentor and agree on a project
  - Your original idea
  - Component of mentor’s research

- Complete an application; see website for application details & format; Due May 1- email submission to me, mentor must be copied on email.

- Address all of the questions on the application Your role, timeline.

- The applications will be reviewed by members of the Research Committee.

- You may be asked for details/clarification
Human Subjects Research

- Submit IRB documents as needed (human subjects approval)– start ASAP

- Any project that requires IRB review will require you to complete the CITI (human subjects protection) certificate. Online course – free.
  - See dental school website; Research; Research Support; Credentialing & Certification – scroll down to CITI program, Initial Certification, GROUP 2

- Before final approval, you will need to provide
  - Evidence of CITI course completion
  - IRB application submitted, if needed
  - If project is already approved, you need to be added on the IRB if using identifiable information.
Summer Stipend

Paid in 2 installments; July 31 and August 31. 2nd payment after progress reports and mentor signs off.

Progress benchmarks:
  Before 1st payment: Lit review and background, expanded from the application; IRB if required; Develop a data collection tool; a draft data entry database;
  Submit final report
Your Responsibilities

- Complete the project activities; honor your time commitment. Communicate with mentor regarding your academic time obligation.

- Attend the 2–3 summer research meetings; check in every couple of weeks. Get help with specific topics such as survey construction, data collection forms, etc.

- Submit interim (June 30) and final (July 30) progress report, documenting benchmarks.
Let me know if you are having issues; delays of any kind; need to unexpectedly leave during the summer;
Mentorship

- No more than 2 students per mentor; ASK your mentor, check with me
- Mentors will evaluate and sign off on your progress;

A good student mentee:
- identifies his/her needs and presents them to his/her mentor.
- is open-minded and ready to try the mentor’s advice.
- makes explicit requests for help.
- is honest and able to bring up any issue
- respects and appreciates the mentor’s effort
Presentations

New process for 2021
• To be considered for the SCADA award: present at Fall (October, 2021) Professional’s Day. SCADA awardee must submit abstract and attend AADR in March 2022.

• You are expected to give an ORAL presentation at Professional’s Day in October;
Travel

Travel; As of now, there is no travel support except:

The SCADA winner receives external travel support

Special projects in oral pathology or TMJ
FAQs

1. Off campus project? No

2. When conducted?
   mid-May through July 30; some flexibility;

3. Shared projects?
   Maybe, BUT these will not be funded and there is no travel money to share. Project responsibilities should still be clearly outlined.
What makes a successful project?

- Scope – all or mostly accomplished by Aug 1.
- Having a dental school mentor – outside collaboration is permitted but if your project depends on outside activities out of your control.....
- Your interest & persistence

- Letting me know if you are having problems, delays
Atlanta, GA March 23, 2022
Oral Health Knowledge of Urban and Rural Populations in India
A. M. Mazi and S. Ramesh, Department of Community Dentistry

ABSTRACT
Aims: The purpose of the study was to determine oral health knowledge levels and their effects on oral hygiene among selected rural (Bhakra, Kickrak) and urban (Mumbai) populations in India. The study population comprised of 240 adults. The study population was further divided into two groups according to age and gender. The knowledge assessment tool was based on a questionnaire that included both pre-coded and non-pre-coded items. The final questions were administered to each person in the two cities. Results: A significant difference in knowledge was observed in the two cities. Overall, 62.2% of the respondents believed brushing to be the most important aspect of oral health while 24.5% of the population believed that brushing teeth was not necessary. The age and gender demographic differences were not significant. The results indicated that the rural population had poorer knowledge scores compared to the urban population. The results also showed that the urban population was more knowledgeable about oral hygiene practices, while the rural population was more knowledgeable about dental care. CONCLUSIONS: The results indicate that the urban and rural populations were more knowledgeable about oral health practices, while the rural population was more knowledgeable about dental care. It is necessary to focus on these factors to improve oral health outcomes in both urban and rural areas.
QUESTIONS?