

# **Columbia University**

*School of Dental and Oral Surgery*

## *Student Research Opportunities*

*Includes:*  
*Overview of SDOS Research Training Program*  
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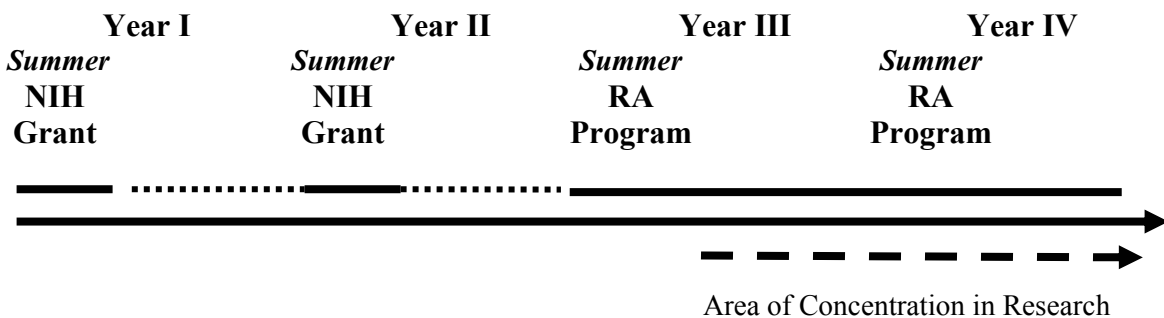
# Student Research at SDOS

## Overview

The generation of new knowledge through research is an integral and highly valued activity at Columbia University's School of Dental and Oral Surgery. The school's history is rich with significant connections to the evolution of modern dental research - both the *American Association for Dental Research (AADR)* and the *Journal of Dental Research* were founded by SDOS faculty member Dr. William Gies - and this tradition has been reflected in the student research program. The strength and constancy of the dental student research tradition at SDOS is demonstrated by the 50 year history of the William Jarvie Research Honor Society (the dental student research group) and the Birnberg Student Research Day, both established at Columbia in the 1950's and continuing vigorously to this day. The school continues to be a supportive environment for student participation in the exciting discoveries of biomedical research both at the University and beyond.

The goal of the SDOS student research training program is to encourage and support those students who wish to participate in research during their DDS or postdoctoral specialty training, and to encourage the consideration of research related careers as part of students' career choices. Research training provides many benefits, including an appreciation for the process of discovery, a sharpening of the knowledge and skills needed to read and interpret new findings that may be incorporated into clinical care decisions, as well as possibly providing the introduction to a career in academic dentistry. The faculty of this school believes that dentists who seek new knowledge through clinical and/or basic science research make invaluable contributions to the dental profession and the public good.

## The DDS SDOS Research Track



The research training of predoctoral students at SDOS has developed into a research "track", taking advantage of several time blocks available within the predoctoral schedule and utilizing several funding mechanisms. Research is usually begun during the summer following Year I, although in special cases students can start their training in the summer prior to entering the dental school. Most students continue during the academic year working on their projects begun in the summer, preparing presentations for regional and national meetings. As part of their third and fourth year curriculum interested students utilize the Research Track elective within the Area of Concentration program.

In addition to research projects within the dental school and elsewhere on the Columbia University campus, students are encouraged to make use of the research training opportunities at the National Institute of Dental and Craniofacial Research (the dental institute of the NIH), as well as other appropriate labs, both US and international.

Funding from the National Institute of Health (NIH) short-term training grant provides a number of stipends for summer research. Additional support for student research is available through the Gies fellowship; the school's Research Assistant (RA) program, which provides support for third and fourth year students; the Moss Scholarship for study abroad in the Netherlands; NIH intramural research fellowships; and stipend support through some of the projects in which students may wish to work.

# **Research Opportunities**

## **Available at SDOs**

Students are encouraged to meet and consult with the faculty advisors for assistance identifying research opportunities. Students will also find website resources helpful for learning about research activities at the Columbia-Presbyterian Health Sciences campus, and of course consultation with upperclassmen is highly recommended. Medical research and dental research share broad areas of conceptual, scientific and methodological common ground, and the Health Sciences Campus contains a vast number of research opportunities available for dental student participation. The types of research projects performed by DDS students tend to be equally divided between dental research and medical/public health research. Students are encouraged to seek research experience with laboratories or faculty outside the dental school faculty. A selection of research resources and opportunities are listed in the following section.

# **SDOS Research Mentors List:**

<http://cpmcnet.columbia.edu/dept/dental/research/mentor.html>

## **SDOS Contacts:**

*John Grbic, DDS, MMSc*

[jtg2@columbia.edu](mailto:jtg2@columbia.edu)

*Richard Abbott, PhD*

[ra3@columbia.edu](mailto:ra3@columbia.edu)

*Melissa Begg, ScD*

[mdg3@columbia.edu](mailto:mdg3@columbia.edu)

Students seeking research opportunities should initially consult with the faculty advisors (Drs. Grbic, Abbott and Begg) and read through the SDOS Research Mentors List on the Columbia web site, a database maintained and updated annually. The List contains three distinct sections:

- Research Areas
- Mentors
- Research Summaries

All researchers listed have detailed contact information, selected references and expected time commitment.

# The William Jarvie Society

## SDOS Contact

John Grbic, DDS, MMSc

[jtg2@columbia.edu](mailto:jtg2@columbia.edu)

*Membership dues: \$30/annually includes student membership in AADR/IADR*

The William Jarvie Society (WJS) is the Columbia chapter of the American Association of Dental Research (AADR) - Student Research Group. Originally organized in 1920 to promote interest in research by dentists and dental students, the WJS carries forward its mission today through a number of activities that support SDOS student research and emphasize the role of research in the development and practice of modern dentistry. Approximately 25% of the students in the DDS program are members. The Jarvie executive committee and faculty advisors work to acquaint interested students with research opportunities at the medical center and beyond. One of the society's goals is to enable every interested Columbia dental student to have a satisfying and productive research experience. However, it is not a requirement of the Jarvie Society that a member be actively involved in research.

Some activities sponsored or organized by the Jarvie Society include:

- *The Journal of the William Jarvie Society, published annually;*
- *The Jarvie Newsletter, published quarterly*
- *Jarvie Seminar Series.*
- *Collaborative efforts with other groups at the University.*
- *Birnberg Day*

The annual dental student research day, which includes table clinic presentations and visiting guest lecturer, formal presentation of **Birnberg Research Award** and the **ADA/Dentsply Student Clinician Table Clinic Award.**

### **Birnberg Research Award**

Established by the Columbia University School of Dental and Oral Surgery's Alumni Association in the early 1950's, the purpose of this award is to encourage high quality dental research, to give appropriate recognition to investigators who have made outstanding contributions to research, and to help stimulate and nurture public interest for the support of dental research. Annually, SDOS in conjunction with its Alumni Association focuses attention on dental research through the presentation of the Birnberg Award. This award was named in honor of Dr. Frederick Birnberg, class of 1915, who helped establish the research fund.

### **Qualifications:**

The SDOS faculty research committee, in conjunction with the Alumni Association, selects as recipient of the award an individual who has made outstanding contributions to dental research. The prize consists of the Birnberg Research Plaque and an honorarium. There have been forty-two award recipients since it was first presented in 1954.

### **ADA/Dentsply Student Clinician Table Clinic Award**

In conjunction with the ADA, Dentsply sponsors a student clinician table clinic competition at the annual meeting of the ADA. Each school can select a student to present at this competition in one of two categories: Basic Science or Clinical Studies. A panel of judges from SDOS selects the top entry for Columbia based on the research topic and quality of the presentation at Birnberg Day. The winner of the Birnberg Day research competition goes on to compete for the ADA/Dentsply Student Clinician Table Clinic Award at the ADA annual session, courtesy of Dentsply.

All members of the Jarvie Society are also automatically student members of the *American Association of Dental Research*, the major component of the *International Association of Dental Research* (IADR; <http://www.iadr.com/>.) AADR membership allows students to apply for various AADR sponsored research fellowships, subscribe to the *Journal of Dental Research* at a reduced fee, and attend conferences at reduced

registration fees. The national and international AADR/IADR research conferences are exciting opportunities to learn of the latest research and they provide settings that facilitate communication and networking of SDOS students with students at other schools as well as with established dental investigators. The AADR application serves as the application to the William Jarvie Society. All interested students are encouraged to join.

# **The Moss International Research Scholarship for Dental Students**

## **SDOS Contact**

*Letty Moss-Salentijn, DDS, PhD*

*[lm23@columbia.edu](mailto:lm23@columbia.edu)*

*Funding: \$3000 Scholarship*

*Application Deadline: March 1*

*Date: Summer, post academic year I*

*Eligibility: Successful academic performance during first-year SDOS curriculum*

This Scholarship was made possible by an anonymous gift from a former student in honor of Professor Melvin L. Moss, Dean Emeritus of the School of Dental and Oral Surgery, and Professor Emeritus of Oral Biology and Anatomy.

The Scholarship is available on a competitive basis to a first-year predoctoral student. It provides support for a two-month period in the summer between the first and second years of the predoctoral program. The Scholar will have the unique opportunity to work (in an English-speaking environment) in a dental research laboratory abroad. At present, exchange agreements for such a program exist with several world-renowned research laboratories at the Academic Center for Dentistry in Amsterdam (ACTA) at the University of Amsterdam, The Netherlands. In future years similar agreements may be made with additional laboratories in other countries.

First-year students who are interested in applying for the Scholarship are asked to submit a formal application. Application forms and the descriptions of the research programs in the Amsterdam laboratories are available in office of the Dean of Students. Interested students are expected to select a laboratory and to indicate an interest in a particular research project in their applications. Previous research experience (if applicable) will be considered.

A faculty committee will review all applications. Finalists may be asked to appear for an interview with members of the SDOS Research Committee. As soon as a Scholar has been selected, contacts will be established with the host laboratory in Amsterdam.

# **The Dr. Milton G. Schlesinger Award for Excellence in Research**

## ***SDOS Contact***

*Martin J. Davis, DDS*

*[mjd2@columbia.edu](mailto:mjd2@columbia.edu)*

*Funding: \$2000 Award*

*Eligibility and requirements:*

- *Third year student with proven excellence in academic performance in the School's basic biological and clinical dental courses as determined by the Class Committee;*
- *Recommendations by faculty research mentor;*
- *Written evaluation by the student of past research experience, and the student's description of his or her plans to fulfill future research interests.*

This award was established in December of 1990 in honor of Dr. Milton G. Schlesinger, an alumnus of the School of Dental and Oral Surgery, by his niece Ms. Beulah Kramer. The award recognizes a Third Year student who has "conducted meritorious research in basic biological or clinical sciences" and has established an academic record of excellence. The award is announced and presented in May; the funds are applied to the student's Fourth Year tuition

# **The William Gies Student Research Scholarship**

## **SDOS Contact**

*Martin J. Davis, DDS*

*[mjd2@columbia.edu](mailto:mjd2@columbia.edu)*

*Funding: \$4000 fellowship year II  
\$1200 stipend each summer after years II & III  
University Appointment as RA, Year III & IV (see RA section)*

*Eligibility: Successfully completed first-year at SDOS;  
Desire for participation in substantial research activities  
during DDS training;  
See other requirements below.*

Each year the Columbia University School of Dental and Oral Surgery selects a second year student with a serious, well-developed interest in research, preferably with previous research experience, to receive the William J. Gies Research Scholarship in Dentistry. This scholarship, initially established by the William J. Gies Foundation for the Advancement of Dentistry, recognizes the major contribution made by Dr. William Gies, a professor of biochemistry at Columbia during the early part of the 20<sup>th</sup> century, in creating a supportive university environment for the evolution of the dental professional training.

Under the auspices of the Carnegie Foundation, Dr. Gies reviewed the status of dental education in the United States and in 1926 published a report entitled "Dental Education in the United States." His report led to the ultimate incorporation of all dental schools in the nation within universities. Curricula were developed that strongly emphasized the biological sciences, as well as the clinical sciences, and encouraged research and independent study.

## **REQUIREMENTS:**

- Commitment to perform research during the entire 3-year Fellowship;
- Maintain a B average or better in SDOS coursework;

- Work with a mentor;
- Present at Greater New York Dental Meeting;
- Submit an annual written progress report by June 30th of each year and upon completion of the dental degree;

### **SELECTION PROCESS:**

The School's Research Committee in consultation with the Associate Dean for Student Affairs & Admissions selects the recipient of the William J. Gies Research Fellowship utilizing the following criteria:

- Academic performance;
- Previous research experience and stated interest in research

### **DESCRIPTION - PROGRAM & FUNDING:**

#### ***Academic Year II***

The William J. Gies Research Scholarship recipient will receive a \$4,000 fellowship for academic Year II to be applied towards tuition. The student will meet with the head of the Research Committee during the first semester of the academic year to outline a program, which will include a particular area of interest and possible research advisors.

By the end of the first semester, the Fellow will be placed in an appropriate research setting (e.g. laboratory, specific clinical area, etc.) under an advisor to begin research training.

#### ***Summer between academic Years II and III***

During the summer months between Years II and III, the student will remain actively involved in continuing research experiences. The award of a \$1200 stipend will accompany this research training each summer. The student must receive a satisfactory evaluation by the research advisor and subsequently by the Research Committee at the conclusion of both summer apprenticeships in order to continue.

#### ***Academic Year III & IV***

The funding for Year III and Year IV research activities will be provided through a formal University Research Assistantship (RA).

*See RA section for specific details.*

# **Area of Concentration - Research Track**

## **SDOS Contact**

*Letty Moss-Salentijn, DDS, PhD*

*[lm23@columbia.edu](mailto:lm23@columbia.edu)*

*Selection process for the Area of Concentration in Research begins at the end of academic year II*

The area of concentration program offers a track in research, which allows students who have an interest in exploring a research project to devote a significant number of hours in the laboratory. Students interested in this track are expected to identify and contact a mentor using the research mentors list:

*<http://cpmcnet.columbia.edu/dept/dental/research/mentor.html>*

Once they have secured permission from the mentor they are expected to meet with the research/track leader, Dr. Letty Moss-Salentijn, to arrange for appropriate time assignments and follow-up meetings. Postdoctoral students may be eligible for consideration to enter the MA program in Dental Sciences under the Graduate School of Arts and Sciences as conducted in connection with the School of Dental and Oral Surgery.

# Research Assistant (RA)

## SDOS Contact

John Grbic, DDS, MMSc

[jtg2@columbia.edu](mailto:jtg2@columbia.edu)

*Funding:* see details below

*Application Deadline:* May 1

*Date:* Academic year III & IV

Research Assistants (year III & IV) receive \$2,000 in tuition remission and \$1,000 in cash stipends for a minimum of 5 hours/week of activity during the academic year, exclusive of vacation. Awardees are obligated to write an abstract for publication in the Jarvie Journal and present a poster at Birnberg Day. Students complete the applications in cooperation with the mentor. The exact number of positions is variable and is defined annually. Typically there are ten RA positions selected each year.

## **REQUIREMENTS**

- Must be financial aid-eligible for the cash stipend (typically \$1,000 per year), of the support as per Office of Student Financial Planning verification (FAFSA form). If a student is **not eligible**, alternative funding for the stipend is provided by the mentor.

## **SELECTION CRITERIA**

- The Request Form  
To be completed by the student and signed by the faculty preceptor for the assistantship. All requests must include a detailed description of the project and the student's anticipated role.
- Candidate's Resume.  
Should be up to date and include all research experience.

Selected candidates will receive an official University Appointment as a Research Assistant, and begin processing official paperwork immediately, in conjunction with the Office of the Dean. Several applicants may be designated as alternates, to assume the assistantship if any students selected as RAs are unable to start or complete their appointment.

## Obligations

- Minimum commitment of 5 hrs. per week
- Must present at Birnberg Day
- Must provide abstract or article for Jarvie Journal

*Note:* RA appointments are obtained *only* through this annual process. Occasionally, faculty has other funds to employ students in capacities similar to RA activities, **but the University title of Research Assistant is not applicable.**

# **Columbia Dental Review (CDR)**

[http://cpmcnet.columbia.edu/dept/dental/Dental\\_Educational\\_Software/CDRjournal96/CDR\\_INDEX.htm](http://cpmcnet.columbia.edu/dept/dental/Dental_Educational_Software/CDRjournal96/CDR_INDEX.htm)

## **SDOS Contact**

*Letty Moss-Salentijn, DDS, PhD*      [lm23@columbia.edu](mailto:lm23@columbia.edu)

*Deadline for submissions:*      *January 31*

*Publication date:*                *May 1*

The Columbia Dental Review (CDR) is an annual publication of Columbia University School of Dental and Oral Surgery. This journal is intended to be a clinical publication, featuring case presentations supported by substantial reviews of relevant literature. It is a peer-reviewed journal, edited by the students of the school. The editors are selected on the basis of demonstrated scholarship.

Authors are primarily SDOS students from predoctoral and postdoctoral programs, SDOS faculty and residents and attendings from affiliated hospitals. Peer reviewers are selected primarily from the SDOS faculty. Instructions for authors wishing to submit articles for future additions of the CDR can be found on the last page of published issues of the Journal.

**National Institute of Health (NIH)**  
**Sponsored Student Research Fellowship -**  
**T35 Grant**

**SDOS Contact**

*John Grbic, DDS, MMSc, [jtg2@columbia.edu](mailto:jtg2@columbia.edu)*

*Funding: Approximately \$3000 Stipend*

*Deadline: March 15*

*Eligibility: Incoming and First Year SDOS students  
Research Oriented  
US Citizen or Permanent Resident*

First year students are encouraged to apply for this summer fellowship. Those selected will complete a six-week summer research project in any research project of their choice subject to the approval of the training grant director (Dr. John Grbic). All trainees write an abstract for publication in the Jarvie Journal and present a poster for Birnberg Day.

# **Corporate Student Research Fellowships**

## **SDOS Contact**

*John Grbic, DDS, MMSc, [jtg2@columbia.edu](mailto:jtg2@columbia.edu)*

*Funding: \$3000 Stipend*

*Eligibility: First year SDOS students  
Research Oriented*

*Date: Summer after Year I*

Several major corporations have agreed to fund \$3000 Summer Fellowships to support students conducting research in the summer following year I.

These fellowships are:

1. The Colgate-Palmolive Student Research Fellowship
2. The Phillips SoniCare Division Student Research Fellowship
3. The Proctor and Gamble Student Research Fellowship

The selection, mentoring arrangements and monitoring of fellows' research progress are under the direction of Dr. John Grbic, Chair of the Research Committee.

# **Research Opportunities** **Outside of SDOS**

Opportunities for students to participate in research are available in countless labs, clinics, & medical centers all over the world. To follow are some of the more well recognized and prestigious programs in which SDOS students have participated.

# **National Institute of Dental and Craniofacial Research (NIDCR) Summer Fellowship**

[http://www.nidcr.nih.gov/research/office\\_edu/oe2.asp](http://www.nidcr.nih.gov/research/office_edu/oe2.asp)

## **SDOS Contact**

*John Grbic, DDS, MMSc*      [jtg2@columbia.edu](mailto:jtg2@columbia.edu)

## **NIDCR Contact**

*Sharon M. Gordon, DDS* [OfficeEduc@dir.nidcr.nih.gov](mailto:OfficeEduc@dir.nidcr.nih.gov)

*Funding: NIDCR provides a stipend for a minimum of 8 weeks during the summer.*

*SDOS provides support for travel costs.*

*Application Deadline: January 15*

*Eligibility: US Citizen or Permanent Resident*

This program allows outstanding dental students to spend a summer of training at the NIDCR, located on the NIH campus in Bethesda, Maryland. The program lasts a minimum of 8 weeks during the summer. The NIDCR Summer Dental Student Award is designed to promote the professional careers of talented dental students through exposure to the latest advances in oral health research and administration. Students will be assigned a mentor and research project that corresponds to his or her qualifications and interests. Students will gain hands-on experience in basic or clinical research. Participation may result in presentation of research findings at a scientific meeting and co-authorship of scientific publications.

# **Howard Hughes Medical Institute- National Institutes of Health (NIH) Research Scholars Programs**

<http://www.hhmi.org/research/cloister/index.html>

## **SDOS Contact**

*John Grbic, DDS, MMSc*      [jtg2@columbia.edu](mailto:jtg2@columbia.edu)

*Funding: \$17,800 annual salary. Includes medical insurance, reimbursement for moving expenses, funding for conference travel, books, and courses.*

*Application Deadline: January 10*

*Dates: Students arrive between July 15 and August 31 and complete the program on approximately June 15 of the following year; requires leave of absence from SDOS*

*Eligibility: Applicants must be eligible to work in the U.S. during the entire period of time you would be in the program because Research Scholars are employees of HHMI.*

Interested students are invited to spend 9-12 months in basic science research in a NIH laboratory. Accepted students receive a stipend and fringe benefits as an employee of the Howard Hughes Medical Institute and are housed in an apartment on the NIH campus in Bethesda, Maryland. The program consists of a year of basic, translational or applied biomedical research at the National Institutes of Health in Bethesda, MD for U.S. medical or dental students. Students conduct research under the direct mentorship of senior NIH research scientists and live at the Cloister, the Research Scholars' residence on campus.

# **Clinical Research Training Program at the National Institutes of Health (NIH).**

<http://www.training.nih.gov/crtp/index.asp>

A public-private partnership supported by a grant to the Foundation for the NIH from Pfizer Inc.

## **SDOS Contact**

*John Grbic, DDS, MMSc*

[jtg2@columbia.edu](mailto:jtg2@columbia.edu)

## **NIH Contact**

*Kenny Williams*

[williajk@od.nih.gov](mailto:williajk@od.nih.gov) 800-445-8283

## *Funding:*

- *CRTP fellows receive an annual stipend of \$23,000 from the Foundation for the NIH (FNIH). Rent is deducted monthly from the stipend.*
- *CRTP fellows are reimbursed up to \$1,200 for the purchase of a new computer or to upgrade their own computer.*
- *FNIH will reimburse the fellow for reasonable costs associated with relocation to the NIH and back to the fellow's school at the end of the fellowship.*
- *CRTP fellows may attend and be supported for one professional domestic (continental U.S. or Canada) scientific meeting or conference*

*Application Deadline: Applications are submitted in early fall for a mid-January deadline.*

*Dates: July 1 or August 1, depending on the students' rotation schedules at their home schools. Programs spans academic year; requires leave of absence from SDOS*

## *Eligibility:*

- *Candidates must be U.S. citizens or permanent residents;*
- *Candidates must currently be enrolled in medical or dental school and have completed a year of clinical rotations.*
- *Prior research experience is not a requirement of CRTP, however enthusiasm for and commitment to the objectives of clinical research is highly desirable*

The Clinical Research Training Program (CRTP) is a small, year-long program designed to attract the most creative, research-oriented medical and dental students to the intramural campus of the National Institutes of Health in Bethesda, Maryland. Participants, known as fellows, spend a year engaged in a mentored clinical research project in an area that matches their personal interests and goals.

An individualized program is then developed for fellows, who may attend ambulatory clinics, see patients on the wards, and work with a principal investigator in our laboratories on selected clinical research trials. Fellows learn about translational research, that first step from the bench to the bedside; they attend lectures on clinical research; they participate in an interactive, small-group learning experience with the 15 members of the class and leading NIH physicians and scientists.

Fellows can remain at NIH for a second year, depending on support of the sponsoring NIH institute, availability of funds, and permission from the student's home institution.

# **University of Rochester** **Summer Short-Term Research Training** **Program for Under Represented Minority** **Students**

<http://www.urmc.rochester.edu/Aab/oralbio/summer.html>

## **SDOS Contact**

Marlene Klyvert, EdD    [mk29@columbia.edu](mailto:mk29@columbia.edu)

*Funding:*    *Approx. \$3,000;*

*University housing is provided free of charge*

*Application Deadline:*    *March 1*

*Dates:*    *summer, post academic year I*

*Eligibility:*    *Candidates should be matriculated dental students or students accepted into dental school and must be U.S. citizens or permanent residents. Program is intended for members of underrepresented minority groups.*

Research opportunities are available for summer 2003 for minority dental students at the University of Rochester School of Medicine and Dentistry. Candidates should be matriculated dental students or students accepted into dental school and must be U.S. citizens or permanent residents. The program runs in 2003 from June 2 through August 8. Assistance with transportation costs may be available for those that can demonstrate need. Some individual adjustments to these dates may be possible to accommodate dental school schedules or national board exams.

Each student will work closely with a participating faculty member on a project related to oral science in one of the following broad interdisciplinary areas: biochemistry, molecular biology, cell biology, pharmacology, microbiology and immunology, or physiology. In addition, all of the trainees will participate in scientific seminars and workshops. Candidates will be selected on the basis of their application, letters of reference, and academic record. Prior experience in research is not necessary.

# **American Association of Dental Research** **Student Research Fellowships**

<http://www.dentalresearch.org/Membership/Fellowships/student.htm>

## **SDOS Contact**

John Grbic, DDS, MMSc      [jtg2@columbia.edu](mailto:jtg2@columbia.edu)

## **AADR Contact**

Mark Reynolds, Chair

AADR Fellowship Committee

[mar001@dental.umaryland.edu](mailto:mar001@dental.umaryland.edu)      (410) 706-0193,

*Funding:      \$2400  
                  (\$2100 + \$300 for supplies; \$600 in travel expenses also  
                  provided)*

*Application Deadline:      January 15*

*Dates:              Research must be completed within two years*

*Eligibility:      DDS candidates, years I - III*

Sponsored and administered by the AADR, these Student Research Fellowships have been created to encourage dental students living in the United States to consider careers in oral health research. Proposals are sought in basic and clinical research related to oral health. Twenty-three fellowships awarded annually. Upon completion of the project and acceptance of an abstract to the AADR meeting, an additional \$600 is awarded for travel to the AADR meeting for the presentation of the research results. Awards are made to eligible DDS students within the USA who will not receive their degree in the year of the award. Selection criteria include creativity of the project, feasibility and potential significance to oral health research. .

# **National Institute of Health Clinical Electives Program**

<http://www.training.nih.gov/student/cep/index.asp>

## **SDOS Contact**

John Grbic, DDS, MMSc      [jtg2@columbia.edu](mailto:jtg2@columbia.edu)

## **NIH Contact**

[www.training@nih.gov](http://www.training@nih.gov) or (800) 445-8283

*Funding:*      *Stipend (amounts vary)*

*\$300 temporary housing subsidy*

*Deadline:*      *at least four months prior to your preferred time of program;*  
                  *applicants are accepted on a continuous basis.*

*Eligibility:*      *Year III & IV DDS & MD candidates*  
                  *U.S. citizens or permanent residents*

The Clinical Electives Program (CEP) at the National Institutes of Health (NIH) offers four-to eight-week rotations in a wide range of clinical disciplines as well as individualized tutorials for students who desire a total research experience. There are 3 that NIDCR supports specifically for dental students: oral medicine, research tutorial, and neurobiology. Participants in the clinical electives program will experience a level of exposure to clinical research that is unduplicated elsewhere. The program also provides a meaningful introduction to clinical studies, which is of paramount importance to individuals who are contemplating careers in academic medicine.