



University of California, San Diego  
Consent to Act as a Research Subject

**Science Enrichment Education Program**

**STUDY INVESTIGATORS AND SPONSORS**

Investigators: Georgia Robins Sadler, Ph.D. and Vanessa Malcarne, Ph.D.

Sponsors: UC San Diego Moores Cancer Center and the National Institutes of Health (NIH)

**WHY HAVE YOU BEEN ASKED TO PARTICIPATE?**

This is a research study. This study is designed to evaluate whether this Science Enrichment Education Program can increase the number of people like you who decide to enter science and health careers. You have been invited to participate in the evaluation of this education program because you are or will be attending UC San Diego and meet the eligibility criteria set for this program, and you are a student who is contemplating a career in one of the health or science fields. This research project is sponsored by the National Institutes of Health (NIH).

**HOW MANY PEOPLE WILL TAKE PART IN THE STUDY?**

This study began in 2002 with funding from the National Cancer Institute. The amount of money that we have available to support students in this program each year determines the number of students we can invite each year to help us evaluate the training program. It is anticipated that approximately 16 students will be enrolled each year.

**WHY IS THIS STUDY BEING DONE?**

Dr. Georgia Robins Sadler and Dr. Vanessa Malcarne have been mentoring students who are interested in pursuing health and science careers for many years. They are now conducting a research study to find out whether students who join their career-focused, Science Enrichment Education Program will be more likely to succeed in pursuing graduate level training in those fields.

**WHAT IS INVOLVED IN THE STUDY?**

The education enrichment portion of the program will be for approximately one year. The mentoring and follow-up portion of the program will be provided throughout the entire NIH funding period and beyond if funding is available. The program begins with the collection of information from you that will be used to help evaluate the program. Next, you will participate in an eight-week training program during the summer. This includes laboratory training, seminars, and workshops, for a total of 40 hours per week. You will be offered relevant training, supplemental reading, and other resources to advance and expand your knowledge, skills, abilities, and experiences. You will be given training in such areas as laboratory safety and skills and relevant workshop and seminars focused on content that is anticipated to increase your successful pursuit of health and science careers. This will include, but is not limited to, training on how to conduct literature searches, skills you will need to work on research studies, interpersonal and time management skills, and academic skills.

Following the summer program, you will be invited to take part in additional academic enrichment opportunities that are anticipated to be of benefit to you. Program participants can also apply for one of the funded laboratory research internships with UC San Diego or SDSU faculty researchers for additional research mentoring and training during the academic school year. When appropriate, student participants and their mentors can also receive guidance in the preparation of Diversity Supplement applications to secure additional funding to support their laboratory training.

As a research study participant in the testing of this Science Enrichment Education Program, you will be expected to:

- Attend and actively participate in all facets of the summer training program, including its laboratory training, seminars and workshops for 40 hours per week throughout the eight-week summer training program. If you believe you have a valid reason for missing a session, it is your responsibility to secure written approval to be excused from a particular training session from one of the two program directors (Dr. Sadler or Dr. Malcarne).
- Turn in all of the assignments on time; complete all assignments with the level of neatness and thoroughness expected of a college-level student.
- Complete questionnaires and quizzes at the beginning of, during, and again at the end of the training program. The questionnaires ask for information related to your personal and family history and your knowledge, skills, hopes, and academic and career goals. We also ask your faculty mentors to provide feedback on how well you are progressing in your training.
- Submit to the program directors a copy of your school transcript for each quarter until you have completed your bachelor's degree.
- Continue to inform the program leaders of your academic progress for your post-undergraduate years, so that we can gain a longer-term measure of the value of this training program. We will specifically want to know whether you are continuing your academic preparation and in what field(s), what career plans you have, and what role, if any, this training program may have played in helping you to achieve your academic goals.
- Allow UC San Diego and SDSU to use your personal, identifiable information as needed to complete the forms required by our funding agencies.
- Allow the program leaders to merge your de-identified information with the anonymous information that has been collected from all other students who have helped to evaluate this training program and report the results of the evaluation. Your specific information will not be released in a way that it can be linked to your identity. Only cumulative, anonymous data from all students will be reported.
- As an optional involvement, we invite people who have participated in the program to provide statements about the program, which may be used for press releases, to attract other students to the program, or as anecdotes that enliven the evaluation reports we prepare for the organizations that fund this program.

To help us improve the program and monitor its success, the information you and other participants provide will have identifiable information removed and will be analyzed to assess program impact. The results of the analysis will be anonymously reported in abstracts and presentations at scientific meetings and in manuscripts for publication in scientific journals.

**HOW LONG WILL YOU BE IN THE STUDY?**

The educational enrichment portion of the program will be for approximately one year. The mentoring and follow-up portion of the program will be provided throughout the entire NIH funding period and beyond if funding is available. Participation in this study is entirely voluntary. You can stop being in the study at any time. But, if you are thinking about ending your participation in the evaluation of this training program, we encourage you to talk to one of the program leaders first (Dr. Sadler or Dr. Malcarne). Sometimes students have a problem that could be solved if the program leaders knew about the problem. If you decide to stop being in the study for any reason, you may withdraw without jeopardy to your education at UC San Diego or SDSU. Since this is a research study, it is important that all participants receive the experiences they are intended to receive. Therefore, if you do not take part in all parts of the program as requested by the program leaders or their delegates, your participation in the program can be stopped.

**WHAT ARE THE RISKS OF THE STUDY?**

There is a risk of a potential loss of subject confidentiality. However, procedures are in place to minimize this risk. There is a risk of getting hurt in the laboratory, but as part of the program, you will undergo laboratory safety skills to reduce this risk.

Because this is a research study, there may also be some unknown risks that are currently unforeseeable. You will be informed of any new information that is found during the course of this study that may affect you wanting to continue, as well as any significant new findings. The only alternative to participating in this study is not participating in this study.

**ARE THERE BENEFITS TO TAKING PART IN THE STUDY?**

We anticipate that there will be many direct benefits to you, which includes training materials, acquisition of new skills and knowledge, and help securing continued employment using newly acquired skills and knowledge. You will also continue to have access to mentoring provided by the program directors. Through your participation in this program, the coordinators hope to learn whether this training will benefit future students.

**WHAT IF YOU WISH TO WITHDRAW FROM THIS STUDY?**

Participation in research is entirely voluntary. You may refuse to participate or withdraw or refuse to answer specific questions at any time in an interview or on a questionnaire at any time without penalty or loss of benefits to which you are entitled. If you decide that you no longer wish to continue in this study, you will be required to notify Dr. Sadler or Dr. Malcarne in writing prior to or at the time of termination from the program. You will be told if any important new information is found during the course of this study that may affect you wanting to continue. The Principal Investigator (PI) may remove you from the study without your consent if the PI feels it is in your best interest or the best interest of the study. You may also be withdrawn from the study if you do not follow the instructions given to you by the study personnel.

**WILL YOU BE COMPENSATED FOR PARTICIPATING IN THIS STUDY AND ARE THERE ANY ASSOCIATED COSTS FOR PARTICIPATING?**

You will receive a stipend of \$400 a week for 40 hours per week during the summer program. There will be no cost to you for participating in this education study. Participating students are responsible for their own housing, food, parking, and transportation costs.

**WHAT IF YOU ARE INJURED AS A DIRECT RESULT OF BEING IN THIS STUDY?**

If you are injured as a direct result of this research study, the University of California will provide any medical care you need to treat those injuries. The University of California will not provide any other form of compensation to you if you are injured. You may call the Human Research Protections Program Office at 858-246-HRPP (858-246-4777) to inquire about your rights as a research subject or to report research-related problems.

**WHAT ABOUT YOUR CONFIDENTIALITY?**

Research records will be kept confidential to the extent allowed by law. To reduce this risk of potential loss of confidentiality: 1) all computer files are password protected and 2) personal identifiable information (such as name, address, e-mail address, phone numbers, etc.) is kept in a separate database from other study information (such as your survey responses). The information that you provided on paper will be kept in locked files in a university location that has limited public access. Only authorized personnel will be allowed to have access to any information related to this study. Even though the risks are minimal, there may be unforeseeable risks to participating in this study.

Research records may be reviewed by the UC San Diego Institutional Review Board. The NIH funding sources require on-going follow-up of the program participants, so student participants have been followed up and academic and career progress data gathered since the inception of the first program in 2002. We are also required to give the names of the program participants and other identifying data to the NIH, and more recently to add the students to the NIH tracking system. Students are fully informed of this requirement as part of their consenting process.

Under California law, we must report information about known or reasonably suspected incidents of abuse or neglect of a child, dependent adult or elder including physical, sexual, emotional, and financial abuse or neglect. If any investigator has or is given such information, he or she may be required to report such information to the appropriate authorities.

**WHO CAN YOU CALL IF YOU HAVE PROBLEMS OR QUESTIONS?**

Dr. Sadler and/or \_\_\_\_\_ has explained this study to you, and has answered your questions. If you have any other questions or research-related problems, you may reach Dr. Sadler at (858) 228-0567.

You may call the Human Research Protections Program Office at 858-246-HRPP (858-246-4777) to inquire about your rights as a research subject or to report research-related problems.

**YOUR SIGNATURE AND CONSENT**

Your signature below means that you have read the above information about the Science Enrichment Education Program study and have had a chance to ask questions to help you understand what you will do in this study and how your information will be used. You can change your mind later if you want to end your participation in this study. You will be given a copy of this consent document and a copy of the Subject's Bills of Rights for you to keep. By signing this consent form, you are not giving up any of your legal rights.

You agree to participate in this research study.

\_\_\_\_\_

Subject's Signature

\_\_\_\_\_

Date