



Alcohol Research Training Summer School (ARTSS)

June 3—August 3, 2012

at Washington University in St. Louis/University of Missouri, Columbia



ARTSS Information

ARTSS is designed to provide an intensive introduction to alcohol research for undergraduates in order to increase the number of students, and particularly underrepresented minorities, interested in pursuing careers in this field. Students from minority and nonminority groups are encouraged to apply. The program begins with an intensive week-long introduction to alcohol research, followed by an 8 week internship working on a project with a mentoring team. This is a full-time experience with a stipend of \$3,200. The program will conclude with the students presenting their research project to the ARTSS faculty and other students.

Summer School (Didactic Program): Introduction to Alcohol Research June 3 - June 8, 2012

A week-long program of structured learning experiences will be conducted at Washington University in St. Louis from June 3-8. Topics to be covered include both psychosocial and biomedical aspects of alcohol use and disorder, its causes, consequences and treatment. The ARTSS lectures and discussion groups will be led by experienced alcohol researchers from Washington University School of Medicine, the University of Missouri – Columbia, and other institutions. University housing and meals will be provided during the week-long course. Interns will be responsible for living expenses during the rest of the internship.

Eligibility:

We seek applicants who demonstrate a strong interest in science and medicine. Applicants ideally must have completed 2 years of undergraduate work (exceptions may be made), with a B average or better in all coursework. It is desirable for students to have completed at least 2 courses (3 semester credit equivalents) in each of the following areas: a) behavioral or social sciences, b) biological sciences, and c) physical sciences/mathematics. Acceptance into ARTSS will be made on the basis of academic performance, test scores, overall breadth and depth of academic coursework to date, and recommendations. Twelve to fifteen students will be selected to participate. Individuals who have earned a baccalaureate degree are not eligible to apply.

Internship: June 11 - August 3, 2012

At the conclusion of the one week course, ARTSS students will be placed in internships in the laboratories of MARC researchers at either Washington University School of Medicine or the University of Missouri-Columbia. Depending upon individual interests, students will be assigned to labs that focus on one or more of the following areas: human genetics; behavioral pharmacology; psychiatric and genetic epidemiology; neurophysiology; and statistical modeling. ARTSS interns will work alongside other interns, graduate students, and faculty members to gain experience in contemporary alcohol research that will provide valuable experiences for preparation for graduate study. Research projects may involve administration of alcohol to humans or animals, and work environments may vary from the traditional wet lab to computer labs. This is a full-time experience and participants are strongly discouraged from taking on additional commitments such as summer school or part-time work as the commitment will be 40 hours per week. Information on the type of research projects available may be found at <http://alcoholresearch.missouri.edu/relatedtraining.html>

About MARC

The Midwest Alcoholism Research Center (MARC) is a collaboration between Washington University School of Medicine in St. Louis, MO and the University of Missouri, Columbia. Together these 2 institutions comprise alcoholism researchers of exceptional caliber and dedication to research into the origins and development of alcohol use, alcoholism and comorbid illnesses.

Drawing on its strong faculty with strengths in psychosocial, high risk and genetic factors in alcohol research at Washington University School of Medicine and the University of Missouri Columbia, the MARC also includes scientists at the Palo Alto (CA) Veterans Administration Medical Center, the Queensland Institute of Medical Research (Australia), Brown University (Providence RI), VCU, University of Missouri, St Louis, Yale, and Indiana University as collaborators in its program of research.



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Research Projects

MARC projects span the age-range from early adolescence into adulthood and fall in the following broad domains:

- Neurocognitive and neural effects studies
- Behavioral pharmacology
- Psychiatric and Genetic Epidemiology
- Statistical Modeling
- Family and twin studies
- Genetic association studies
- Nicotine studies
- Trauma studies

To Apply:

- 1) Complete an application, available at <http://alcoholresearch.missouri.edu/relatedtraining.html>.
- 2) Submit two ARTSS Student Rating Forms (available on the web site) from individuals familiar with academic potential and performance of the applicant.
- 3) Submit unofficial academic transcripts from currently enrolled institution (these must be sent from the institution to ARTSS coordinator).
- 4) Include a resume with current address and email, phone number, computer skills, and research software with which you are familiar. Please also indicate the type of research you are interested in exploring.

For more information, please contact:

Gail Raskin
ARTSS Coordinator
artss@missouri.edu
Department of Psychological Sciences
University of Missouri, Columbia
147 S. Seventh St.
Columbia, MO 65201
Phone: 573-882-1682
Email: artss@missouri.edu
Website:
<http://alcoholresearch.missouri.edu/relatedtraining.html>

MARC Investigators:

Washington University in St. Louis

Andrew C. Heath, DPhil, Center Director
Kathleen K. Bucholz, PhD, Scientific Co-Director
Pamela Madden, PhD
Arpana Agrawal, PhD
Andrey Anokhin, PhD
Laura Bierut, MD
Alexis Duncan, PhD
Anne Glowinski, MD
Julia Grant, PhD
Rick Grucza, PhD
Collins Lewis, MD
Sean Kristjansson, PhD
Christina Lessov-Schlaggar, PhD
Michael Lynskey, PhD
Vivia McCutcheon, PhD
Elliot C. Nelson, MD
Rosalind Neuman, PhD
Michele Pergadia, PhD

University of Missouri, Columbia

Kenneth J. Sher, PhD, Scientific Co-Director
Bruce Bartholow, PhD
Lynne Cooper, PhD
Ian Gizer, PhD
John Kerns, PhD
Matt Martens, PhD
Denis McCarthy, PhD
Tom Piasecki, PhD
Timothy Trull, PhD
Phillip Wood, PhD

External Scientists

Wilma J. Calvert, RN, PhD, MPE, University of Missouri, St. Louis
Laurie Chassin, PhD, Arizona University
Danielle Dick, PhD, Virginia Commonwealth University
Randy Haber, PhD, Palo Alto Veterans Administration
James Hudziak, MD, University of Vermont
Theodore Jacob, PhD, Palo Alto Veterans Administration
Valerie Knopik, PhD, Brown University
Nicholas Martin, PhD, Queensland Institute of Medical Research
Carolyn Sartor, Yale University
Mary Waldron, Indiana University

Deadline

Applications are available at <http://alcoholresearch.missouri.edu/relatedtraining.html> and must be received via email by **February 1, 2012**. Applicants will be notified of decisions by March 1, 2012. Please email applications to: artss@missouri.edu