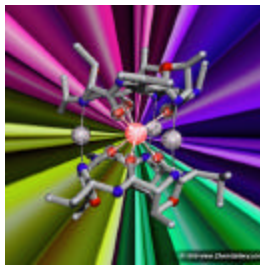


Chemistry



Picture courtesy of <http://www.chemgallery.com/>

Research Chemist - RA-02-089L
United States Department of Agriculture (USDA)

Deadline: Continuous

Amount: Unknown

Abstract: This postdoctoral opportunity is located at the Beltsville Human Nutrition Research Center in Beltsville, Maryland. The main focus of this research is to develop methodology for profiling (i.e., simultaneous multi-component analysis) complex plant-based materials (foods, spices etc.). Extraction from complex food matrices, development and optimization of separation techniques and analytical measurement systems, isolation and identification of major phytonutrients are the goals of the project.

Chemical Sciences
United States Department of Energy (DOE)

Deadline: Continuous

Amount: The award amount is unspecified. It is anticipated that approximately \$400,000,000 will be available for grant and cooperative agreement awards in FY 2003.

Abstract: The Basic Energy Sciences (BES) program supports fundamental research in the natural sciences and engineering leading to new and improved energy technologies and to

understanding and mitigating the environmental impacts of energy technologies.

The objective of the Chemical Sciences program is to expand, through support of basic research, knowledge of various areas of chemistry, chemical engineering, and atomic molecular and optical physics with a goal of contributing to new or improved processes for developing and using domestic energy resources in an efficient and environmentally sound manner. Disciplinary areas where research is supported include

- atomic molecular and optical physics;
- physical, inorganic, and organic chemistry;
- chemical physics;
- photochemistry;
- radiation chemistry;
- analytical chemistry;
- separations science;
- actinide chemistry; and
- chemical engineering sciences.

Contact:

Director
Grants and Contracts Division
Office of Science, SC-64
U.S. Department of Energy
19901 Germantown Road
Germantown, MD 20874-1290
Phone: (301) 903-5804

<http://fr.cos.com/cgi-bin/getRec?id=20021017a16>

J.W.T. Jones Travelling Fellowship
Royal Society of Chemistry (RSC)

Deadline: Continuous

Amount: The maximum grant will be £5,000. The award will cover, either partially or fully, an economy class air or railway ticket and a subsistence allowance. It is normally expected that the institute of origin or the host institute will contribute to defray any remaining expenses incurred by the fellowship holder.

Fellowships may be given for visits of one to three months in duration.

Abstract: The Royal Society of Chemistry (RSC) has designed the J.W.T. Jones Travelling Fellowship to promote international cooperation in chemistry. Specifically, the fellowship will enable younger chemists, or those working in a related discipline, to carry out short-term studies in well-established scientific centres abroad and to learn and use techniques and research methods not accessible to them in their own country. The theoretical and practical knowledge or training to be acquired in the foreign laboratory must be beneficial to the applicant's scientific development. Fellowships will not be awarded for attending scientific meetings or courses, or for conducting field work. The applicant will be expected to return to his or her country of origin or residence upon termination of the fellowship so that his or her home country may benefit from the applicant's broadened knowledge.

Contact:

Stanley S. Langer
Royal Society of Chemistry
Burlington House, Piccadilly
London W1V 0BN

United Kingdom

Phone: 44 (0) 20-7440-3325

Fax: 44 (0) 20-7734-1227

Mailto: langers@rsc.org

<http://www.rsc.org/lap/funding/fundpostdoc.htm#2>

Atmospheric Chemistry

National Science Foundation (NSF)

Deadline: Continuous

Amount: Unknown

Abstract: The Atmospheric Chemistry program supports the measurement and modeling of concentration and distribution of gases and aerosols in the lower and middle atmosphere; chemical reactions among atmospheric species; sources and sinks of important trace gases and aerosols; aqueous phase atmospheric chemistry; transport of gases and aerosols throughout the atmosphere; and improved methods for measuring the concentrations of trace species and their fluxes into and out of the atmosphere.

An additional contact is Bruce Doddridge, program director, phone +1 (703) 292-8522, fax +1 (703) 292-9022, bdoddrid@nsf.gov.

Contact:

Anne-Marie Schmoltner, Program Director
National Science Foundation
Directorate for Geosciences
Division of Atmospheric Sciences
4201 Wilson Boulevard
Arlington, VA 22230
Phone: (703) 292-8522
Fax: (703) 292-9022
Mailto: aschmolt@nsf.gov
<http://www.geo.nsf.gov/cgi-bin/geo/showprog.pl?id=11&div=atm>

Global Tropospheric Chemistry

Program (GTCP)

National Science Foundation (NSF)

Deadline: Continuous

Amount: Unknown

Abstract: The chemistry of the atmosphere has been significantly altered by human activities as a result of increasing industrialization, energy consumption, and changes in land use practices. Changes in the chemical composition of the atmosphere can result in climate forcing by the interaction of trace gases and aerosols with solar and terrestrial radiation. Atmospheric gases and aerosols can also affect climate indirectly, by altering cloud microphysical and optical properties.

Atmospheric photochemistry is closely coupled to climate forcing by controlling the lifetime and fate of radiatively active gases and aerosols, and their precursors. The Global Tropospheric Chemistry Program (GTCP) is a focused program designed to provide a fundamental understanding of emissions, atmospheric transformations, and depositional processes of key atmospheric chemicals and their relationship to climate forcing and response. GTCP's goal is to detect and predict changes in the chemistry of the atmosphere on global and regional scales, with emphasis on those processes affecting the oxidizing capacity and radiative properties of the atmosphere. This objective is to be accomplished through field and laboratory investigations as well as by theory and numerical simulation.

Other projects to be supported include the development and evaluation of new analytical instrumentation and experimental strategies. The GTCP supports activities that advance the goals of the U.S. Global Change Research Program and the research priorities of the International Global Atmospheric Chemistry (IGAC) project of the

International Geosphere-Biosphere Programme (IGBP).

Contact:

Dr. Anne-Marie Schmoltner
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Mailto: aschmolt@nsf.gov
http://www.nsf.gov/geo/egch/gc_gtcp.html

Chemistry Research Instrumentation and Facilities: Departmental Multi-User Instrumentation

National Science Foundation (NSF)

Deadline: July 14, 2003

Amount: The award amount is unspecified. The program requires no matching funds for the first \$80,000 and will provide up to one-half of the funds in excess of \$80,000 required for the purchase of equipment or instrumentation.

Abstract: The Chemistry Research Instrumentation and Facilities (CRIF) program of the National Science Foundation (NSF) provides funds to research institutions and consortia thereof for the purchase of multi-user instruments, for junior faculty, for major instrumentation development and construction, and for the establishment and support of multi-user research facilities in the chemical sciences. This program is structured to enable the NSF, through its Division of Chemistry (CHE), to respond to a variety of needs for infrastructure to undergird advanced research and education in chemistry. The NSF CHE supports graduate education and research activities in analytical, inorganic, organic, physical, materials,

and surface chemistry. Instrumentation for related fields of research is provided through other NSF programs. The Division of Chemistry recognizes the important role of chemistry instrumentation facilities in enabling research by a wide range of scientists who study problems at the molecular level. The division applauds the role of such facilities that play an important role for advancing multidisciplinary research. The main purpose of the multi-user instrumentation program is to enable research normally funded by the division. Proposals will be considered for purchase or significant upgrade of major research instruments for use by a chemistry department or other groups of chemists.

Contact:

Dr. Joan M. Frye, Program Director
National Science Foundation
Division of Chemistry
Chemistry Research Instrumentation and Facilities
4201 Wilson Boulevard, Room 1055
Arlington, VA 22230
Phone: (703) 292-4953
Mailto: jfrye@nsf.gov
<http://www.nsf.gov/cgi-bin/getpub?nsf0081>

NAS Award in Chemical Sciences

National Academy of Sciences (NAS)

Deadline: September 06, 2003

Amount: Unknown

Abstract: The NAS Award in Chemical Sciences, supported by the Merck Company Foundation, is presented by the National Academy of Sciences for innovative research in the chemical sciences that in the broadest sense contributes to a better understanding of the natural sciences and to the benefit of humanity.

Contact:

National Academy of Sciences
Awards Program, Room NAS 146
2001 Wisconsin Avenue, NW
Washington, DC 20007
Phone: (202) 334-1602
Fax: (202) 334-1255
Mailto: awards@nas.edu
http://www4.nationalacademies.org/nas/nasaward.nsf/NominationPub/Awards_Nominations

Analytical and Surface Chemistry
National Science Foundation (NSF)

Deadline: January 09, 2004

Amount: Unknown

Abstract: The Analytical and Surface Chemistry program supports fundamental chemical research directed toward the characterization and analysis of all forms of matter. This program includes studies of elemental and molecular macrocomposition and of the microstructure of both bulk and surface domains. Investigations designed to probe the interphase region that exists between different forms of matter are supported by this program.

Contact:

Janice M. Hicks, Program Officer
National Science Foundation
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Division of Chemistry
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Arlington, VA 22230
Phone: (703) 292-4956
Mailto: jhicks@nsf.gov
http://www.nsf.gov/mps/divisions/che/about/c_programs.htm

Organic Chemical Dynamics

National Science Foundation (NSF)

Deadline: January 09, 2004

Amount: Unknown

Abstract: The Organic Chemical Dynamics program supports research

that will advance the knowledge of carbon-based molecules, metallo-organic systems, and organized molecular assemblies. Experimental, computational, and theoretical projects that illuminate chemical structures, reactivity, and properties and that provide organic mechanistic, structural, and kinetic foundations for the understanding of biological processes will be considered.

Contact:

Tyrone D. Mitchell, Program Officer
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Arlington, VA 22230
Phone: (703) 292-4947
Mailto: tmitchel@nsf.gov
http://www.nsf.gov/mps/divisions/che/about/c_programs.htm

Organic Synthesis

National Science Foundation (NSF)

Deadline: January 09, 2004

Amount: Unknown

Abstract: The Organic Synthesis program supports research on synthesis of carbon-based molecules, metallo-organic systems, and organized molecular assemblies. Research includes the development of new reagents and techniques for organic synthesis and characterization and for investigation of new organic materials and natural products. Such research provides the basis for designed synthesis of new materials and natural products and for preparation of compounds important to the chemical and pharmaceutical industries.

Contact:

George M. Rubottom, Program Officer

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4201 Wilson Boulevard, Room 1055 S
Arlington, VA 22230
Phone: (703) 292-4965
Mailto: grubotto@nsf.gov
http://www.nsf.gov/mps/divisions/che/about/c_programs.htm

Theoretical and Computational Chemistry

NSF

Deadline: January 09, 2004

Amount: Unknown

Abstract: The Theoretical and Computational Chemistry program supports theoretical and computational research in areas of electronic structure, statistical mechanics, computer simulations, and chemical dynamics. The program also supports some areas of experimental thermodynamics and condensed phase dynamics of chemical systems that rely heavily on theoretical interpretation of experimental data. Areas of application span the full range of chemical systems, from small molecules to macromolecules; and degrees of aggregation, from clusters to macroscopic systems. The goal of projects supported in this program is to provide a molecular-level interpretation for chemical properties and reactivity.

Contact:

Celeste Rohlfin, Program Officer
National Science Foundation
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Mailto: crohlfm@nsf.gov

http://www.nsf.gov/mps/divisions/che/about/c_programs.htm

Inorganic, Bioinorganic, and Organometallic Chemistry

National Science Foundation (NSF)

Deadline: January 09, 2004

Amount: Unknown

Abstract: The Inorganic, Bioinorganic, and Organometallic **Chemistry** program supports research on synthesis, structure, and reaction mechanisms of molecules containing metals, metalloids, and nonmetals encompassing the entire periodic table of the elements. Included in the program are studies of stoichiometric and homogeneous catalytic chemical reaction; bioinorganic and organometallic reagents and reaction; and the synthesis of new inorganic substances with predictable chemical, physical, and biological properties. Such research provides the basis for understanding the function of metal ions in biological systems, for understanding the synthesis of new inorganic materials and new industrial catalysts, and for systematic understanding of **chemistry** of most of the elements and compounds in the environment.

Contact:

Mike Clarke, Program Officer
National Science Foundation
Directorate for Mathematical and Physical Sciences
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http://www.nsf.gov/mps/divisions/che/about/c_programs.htm

Roger Adams Award in Organic Chemistry

American Chemical Society (ACS)

Deadline: February 01, 2004

Amount: \$25,000

Abstract: The Roger Adams Award in Organic Chemistry is given to recognize and encourage outstanding contributions to research in organic chemistry defined in its broadest sense.

Contact:

Office of the Awards Program
1155 16th St, NW
Washington, DC 20036-4800
Phone: (202) 452-2109
Fax: (202) 776-8211
Mailto: awards@acs.org
<http://chemistry.org/portal/Chemistry?PID=acsdisplay.html&DOC=awards\adams.html>

Peter Debye Award in Physical Chemistry

American Chemical Society (ACS)

Deadline: February 01, 2004

Amount: \$5,000

Abstract: The award is given to encourage and reward outstanding research in physical chemistry.

Contact:

Office of the Awards Program
1155 16th St, NW
Washington, DC 20036-4800
Phone: (800) 227-5558
(202) 872-4600
Fax: (202) 776-8211
Mailto: awards@acs.org
<http://www.chemistry.org/portal/Chemistry?PID=acsdisplay.html&DOC=awards\debye.html>

Award in Organometallic Chemistry

American Chemical Society (ACS)

Deadline: February 01, 2004

Amount: \$5,000 - \$6,000

Abstract: The award is given to recognize a recent advancement that is

having major impact on research in organometallic chemistry.

http://www.aacc.org/membership/awards_information/grantinfo.stm

Contact:

Office of the Awards Program

1155 16th St, NW

Washington, DC 20036-4800

Phone: (800) 227-5558

(202) 872-4600

Fax: (202) 776-8211

Mailto: awards@acs.org

<http://www.chemistry.org/portal/Chemistry?PID=acsdisplay.html&DOC=awards\organomet.html>

AACC/Van Slyke Society Research Grant in Clinical Chemistry

American Association for Clinical Chemistry, Inc. (AACC)

Deadline: March 15, 2004

Amount: \$500- \$5,000

Abstract: The American Association for Clinical Chemistry (AACC) Van Slyke Society is pleased to announce the AACC/Van Slyke Society Research Grant in Clinical Chemistry, supported by the Critical and Point-of-Care Testing Division, to study outcomes of point-of-care testing (POCT). Only proposals investigating outcomes will be considered. The objective of the AACC/Van Slyke Society Research Grant in Clinical Chemistry is to provide support to those clinical chemists who need limited research funds to explore new ideas in areas where funds are not normally available.

Contact:

Michele Horwitz

AACC

Awards Committee

2101 L Street, NW

Suite 202

Washington, DC 20037-1558

Phone: (800) 892-1400

(202) 835-8723

Fax: (202) 887-5093