



Division of Chemistry

CHEMISTRY OF LIFE PROCESSES (CLP)

CONTACTS

Name	Email	Phone	Room
David B. Berkowitz	dberkowi@nsf.gov	(703) 292-8171	1055 S
Julio de Paula	jdepaula@nsf.gov	(703) 292-8840	1055 S
Illinois I. Johnson	ijohnson@nsf.gov	(703) 292-7182	1055 S

PROGRAM GUIDELINES

Apply to PD 09-6883 as follows:

For full proposals submitted via FastLane: standard **Grant Proposal Guidelines** apply.

For full proposals submitted via Grants.gov: NSF Grants.gov Application Guide; A Guide for the Preparation and Submission of NSF Applications via Grants.gov Guidelines apply (Note: The NSF Grants.gov Application Guide is available on the Grants.gov website and on the NSF website at: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=grantsgovguide)

Important Notice to Proposers

A revised version of the NSF Proposal & Award Policies & Procedures Guide (PAPPG), NSF 13-1, was issued on October 4, 2012 and is effective for proposals submitted, or due, on or after January 14, 2013. Please be advised that, depending on the specified due date, the guidelines contained in NSF 13-1 may apply to proposals submitted in response to this funding opportunity.

Please be aware that significant changes have been made to the PAPPG to implement revised merit review criteria based on the National Science Board (NSB) report, **National Science Foundation's Merit Review Criteria: Review and Revisions**. While the two merit review criteria remain unchanged (Intellectual Merit and Broader Impacts), guidance has been provided to clarify and improve the function of the criteria. Changes will affect the project summary and project description sections of proposals. Annual and final reports also will be affected.

A by-chapter summary of this and other significant changes is provided at the beginning of both the **Grant Proposal Guide** and the **Award & Administration Guide**.

DUE DATES

Full Proposal Window: October 1, 2013 - October 31, 2013

CLP Submission Window

If one of the dates falls on a weekend or holiday, the due date becomes the next business day.

SYNOPSIS

The Chemistry of Life Processes (CLP) program supports the investigation of problems at the Chemistry-Biology interface in which the primary approach or tools employed are those of chemistry. The fundamental examination of mechanisms, dynamics, recognition and structure/function relationships at the molecular level is at the core of the CLP program. Projects that integrate experimental and theoretical chemical approaches into studies of biomolecules or biomolecular processes in the domain of proteins, nucleic acids, carbohydrates and lipids will be considered. The use of small molecules such as ligands, inhibitors, signal transducers or molecular beacons to interrogate biological systems is a characteristic mode of inquiry for CLP investigators. The program also welcomes the application of computational and spectroscopic methods to examine Nature's macromolecular machinery and processes.

Appropriate areas of inquiry include, but are not limited to, peptide design, protein-protein and protein-nucleic acid interactions, post-translational modification alternative base pairs, epigenetics, signal and energy transduction pathways, and molecular definition of emerging "codes" such as those associated with glycomics and histones. Mechanisms of enzyme and metalloenzyme activity, ribozyme and/or riboswitch function and of DNA damage and covalent modification are also central themes in the program.

Proposals that predominantly utilize biological tools or techniques may be more appropriate for the Division of Molecular and Cellular Biosciences (MCB). Proposals that address biomedical problems may be more appropriate for the National Institutes of Health or other health-directed funding agencies.

THIS PROGRAM IS PART OF

Disciplinary Research Activities

What Has Been Funded (Recent Awards Made Through This Program, with Abstracts)

Map of Recent Awards Made Through This Program

News



The National Science Foundation, 4201 Wilson Boulevard, Arlington, Virginia 22230, USA Tel: (703) 292-5111, FIRS: (800) 877-8339 | TDD: (800) 281-8749

