

## Chemistry of Life Processes Institute Undergraduate Research Grant

### CHEMISTRY OF LIFE PROCESSES INSTITUTE

The Chemistry of Life Processes Institute (CLP) draws together Northwestern's strengths in chemistry, engineering, biology and medicine, with the goal of fostering a new wave of innovation, and providing both basic and real world scientific outcomes derived from the molecular basis of life. The Institute supports undergraduate research that offers students hands-on experience and creates an in-depth understanding of multi-disciplinary research, methodologies and approaches.

### AWARD DESCRIPTION

The CLP Undergraduate Research Grant of **\$1,000** is designed to provide a student or team of students with support for multi-disciplinary scientific research during **fall & winter quarters** of the 2009-10 academic year. The funds are designated for the purchase of scientific supplies.

Upon completion of the grant, the student is expected to present their research as a **poster presentation** at the **Chicago Area Undergraduate Research Symposium** in April. The Chicago Area Undergraduate Research Symposium is part of the American Undergraduate Research Society (AURS) that actively encourages and promotes undergraduate scientific and engineering research through the joint efforts of many of the top research universities across the country.

### ELIGIBILITY

Students must have **previous lab experience**. Preference will be given to rising third and fourth year students.

### APPLICATION PROCESS

Applicants must complete an application available at **www.clp.northwestern.edu** and submit a **letter of recommendation** from a CLP faculty member (see below). Application materials may be dropped off at the CLP Institute, faxed or submitted electronically to Andrea Calabrese (see below for contact information).

### CLP INSTITUTE FACULTY

Professor Guillermo Ameer, BME	Professor Lonnie Shea, CBE
Professor Vadim Backman, BME	Professor Richard Silverman, Chemistry, BMBCB
Professor Vinayak Dravid, Mat. Sci & Engineer	Professor Erik Sontheimer, BMBCB
Professor Kelly Mayo, BMBCB	Professor Igal Szleifer, BME, Chemistry, CBE
Professor Thomas Meade, Chemistry, BMBCB, NBP, Radiology	Professor Eric Weiss, BMBCB
Professor Thomas O'Halloran, Chemistry, BMBCB, Director of CLP	Professor Jonathan Widom, BMBCB
Professor Karl Scheidt, Chemistry	Professor Teresa Woodruff, MED-Obstetrics & Gynecology

### DEADLINE

Completed applications must be received by **Monday, August 31, 2009**. A panel of CLP faculty will review applications, and notification of the award will be made by September 18, 2009.

**Questions?** Andrea Calabrese • Chemistry of Life Processes Institute • Northwestern University • 2200 Campus Dr. • Pancoe, Rm. 1119 • Evanston, IL 60208  
[Ohalloran-ofc@northwestern.edu](mailto:Ohalloran-ofc@northwestern.edu) • Ph: 847-467-0965 • Fax: 847-467-1566

Chemistry of Life Processes Institute  
Application for the CLP Undergraduate Research Grant

**Application deadline: August 31, 2009**

**Program dates: Fall & Winter Quarters 2009-10**

APPLICANT INFORMATION

Name:

Date of birth:

Gender:  Male  Female

School name:

Home address:

Email:

City:

State:

ZIP Code:

Final date at current address:

Telephone:

University address (2009-10 academic year):

City:

State:

ZIP Code:

Citizenship (Must be a US citizen or permanent resident):  U.S. Citizen  Permanent Resident

If Permanent Resident, card number:

Country of citizenship:

Demographic Information (This information is requested by the National Science Foundation for statistical purposes – Please check all that apply):

American-Indian

Asian

Black/African-American

Hispanic

Mexican-American

Native Pacific Islander

Puerto Rican

White/Caucasian

Other (specify):

ACADEMIC INFORMATION

Major(s) Field of Study:

Current Year:

Expected Graduation Date:

GPA/scale:

Previous colleges attended:

Have you ever participated in a research program in the past? (Please indicate all research programs)

No

Yes When/Where:

List any societies, fraternities, organizations, etc. you have been involved with during college:

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REQUIRED SUPPORTING DOCUMENTS

A. An endorsement letter from a CLP Faculty member

B. Statement of Goals: Please include a description of the type of research in which you would most like to engage if selected for this program. Please also describe previous research experience, if applicable. (Approximately one paragraph in length; use back page, if necessary.)

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RELEVANT EXPERIENCE

**List any relevant work and/or laboratory experience:**

Employer:	Previous REU? <input type="checkbox"/> Yes <input type="checkbox"/> No
Job Title:	Dates of Employment:
Duties:	
Employer:	Previous REU? <input type="checkbox"/> Yes <input type="checkbox"/> No
Job Title:	Dates of Employment:
Duties:	
Employer:	Previous REU? <input type="checkbox"/> Yes <input type="checkbox"/> No
Job Title:	Dates of Employment:
Duties:	

RESEARCH INTERESTS (CHECK ALL THAT APPLY)

Chemistry	Chemical Engineering	Materials Science	Physics
<input type="checkbox"/> Organic Synthesis	<input type="checkbox"/> Polymer Chemistry	<input type="checkbox"/> Metals	<input type="checkbox"/> Experimental Condensed Matter
<input type="checkbox"/> Inorganic Synthesis	<input type="checkbox"/> Polymer Physics	<input type="checkbox"/> Biomaterials	<input type="checkbox"/> Theoretical Condensed Matter
<input type="checkbox"/> Spectroscopy	<input type="checkbox"/> Catalysis	<input type="checkbox"/> Electronic Materials	<input type="checkbox"/> Lasers
<input type="checkbox"/> Polymer Chemistry	<input type="checkbox"/> Biochemical Engineering	<input type="checkbox"/> Ceramics	
<input type="checkbox"/> Biochemistry	<input type="checkbox"/> Biomaterials	<input type="checkbox"/> Polymers	
<input type="checkbox"/> Catalysis	<input type="checkbox"/> Modeling and Simulation	<input type="checkbox"/> Computational	
<input type="checkbox"/> Theory			
<input type="checkbox"/> Other	<input type="checkbox"/> Other	<input type="checkbox"/> Other	<input type="checkbox"/> Other

ELECTRONIC SUBMISSION

**Application:** Send your completed application to: [ohalloran-ofc@northwestern.edu](mailto:ohalloran-ofc@northwestern.edu)

**CLP Faculty letter of recommendation:** Direct recommenders to email their letters of recommendation to: [ohalloran-ofc@northwestern.edu](mailto:ohalloran-ofc@northwestern.edu)

POSTAL SUBMISSION

**Send your completed application and sealed and signed CLP Faculty letter of recommendation to:**

Andrea Calabrese  
Chemistry of Life Processes Institute  
2145 Sheridan Road, Room MG92  
Evanston, IL 60208

Telephone: 847/491-0965

Fax: 847/467-1566

Email: [ohalloran-ofc@northwestern.edu](mailto:ohalloran-ofc@northwestern.edu)

**Agreement:** I attest that I meet the program requirements listed on this application, and I have disclosed all of the information this form is requesting of me. If accepted to this program, I agree to present my research as a poster presentation at the Chicago Area Undergraduate Research Symposium. In submitting this application, I understand that failure to disclose any requested information and/or failure to comply with the above terms and conditions may result in disqualification of and/or termination from the CLP program.

Signature of applicant:

Date:

**Thank you for applying.**