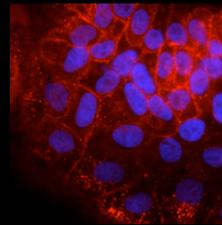


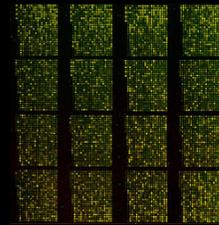
The University of Chicago

Institute for Genomics & Systems Biology
Chicago Center for Systems Biology



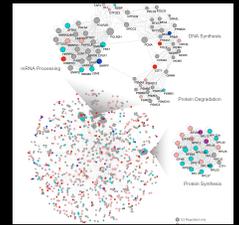
\$4,000 Stipend

Research awards are based on academic excellence, motivation, and potential. Students are given lab space to work with a mentor.



Research Focus

The Chicago Center for Systems Biology focuses on how networks of genes work together to enable cells and organisms to respond to environmental and genetic changes.



Applicants

Participants are selected from a nationwide pool of undergraduates. In 2009 four highly qualified students were chosen from Yale University, the University of Chicago and Northwestern University.

2010 REU Program in Systems Biology

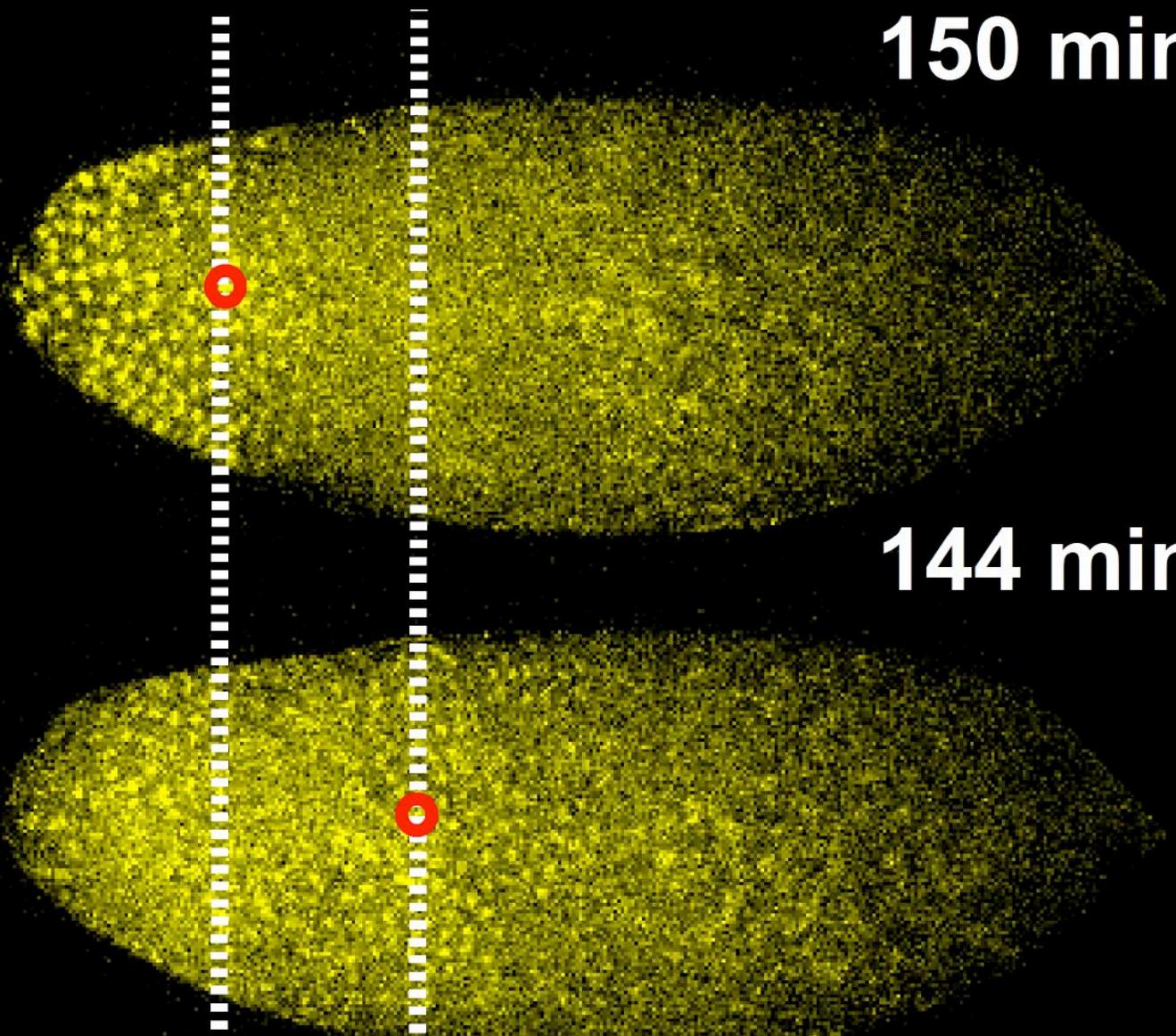
research experiences for undergraduates

20 °C

27 °C

150 min.

144 min.



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2010 REU Program in Systems Biology

research experiences for undergraduates

The Chicago Center for Systems Biology (CCSB) seeks highly qualified undergraduates for Research Experiences for Undergraduate (REU) Fellowships. Stipends of up to \$4,000 per ten-week summer quarter (June 14 - August 20, 2010) for intern projects, or per year for honors research activities, are available. They will be awarded on a competitive basis based on academic excellence, motivation, scientific potential, compatibility of personal interests, and long-term career goals aligned with research interests of the CCSB. Applicants with computational science backgrounds are especially encouraged to apply. All participants must be U.S. citizens or permanent residents. Students must be enrolled in (but not yet graduated from) an accredited undergraduate college degree program with a concentration in a biological sciences related field.

If selected, students will be matched with a faculty researcher who will mentor lab activities. Assignment to a project will be made after the student has become exposed to a wide variety of research topics. At the conclusion of the project, students will produce a summary report and present their findings at a REU symposium. Some research may be of high enough quality to result in submittal to a journal for publication.

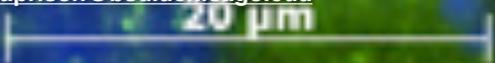
CCSB is based at the University of Chicago but includes collaborating investigators located at Northwestern University and the University of Illinois at Chicago. CCSB research focuses on how networks of genes work together to enable cells and organisms to respond to environmental and genetic changes. CCSB is studying the robustness of transcriptional networks in physiological, developmental, and evolutionary time scales.

During summer internships, REU students will interact with CCSB projects, modeling activities, and core technology resources. Participants will have full University privileges, with access to libraries, athletic facilities, and University-sponsored social and cultural events. Students are invited to attend faculty seminars, take training courses, and participate in workshops.

Deadline for receipt of application materials is March 1, 2010. To apply, send via mail or email the filled out application, personal statement, official transcript, and two letters of recommendation to:

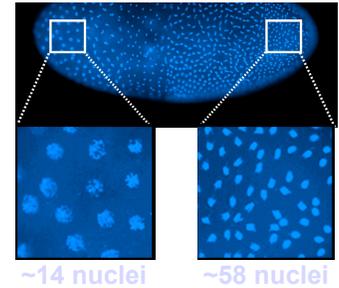
Barry Aprison, Ph.D.
Lecturer, Biological Sciences Collegiate Division
Education and Outreach Director
Institute for Genomics & Systems Biology
The University of Chicago
Knapp Center for Biomedical Discovery
900 East 57th Street, KCBD 10114
Chicago, IL 60637
baprison@bsd.uchicago.edu

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Chicago Center for Systems Biology



2010 REU Program in Systems Biology

research experiences for undergraduates

2010 Summer Research Experience for Undergraduate Program

Application Deadline: **March 1, 2010**

Name (last, first, middle):

male / female

Present college or university:

Major field of study:

Current year of study:

Expected graduation date:

College address:

Home address:

_____	_____
_____	_____
_____	_____

e-mail: _____

College phone:

Home phone:

Date of birth:

Place of birth (city, county, country):

Citizenship (**must** be **US** citizen or permanent resident): Social Security number: _____

U. S. Ethnicity: (optional)

Other _____

African-American

Hispanic

(country)

Asian-American

Native American

U.S. Permanent Resident

Caucasian

Other _____

Other academic information:

Overall GPA:

GPA in Science and math-related subjects:

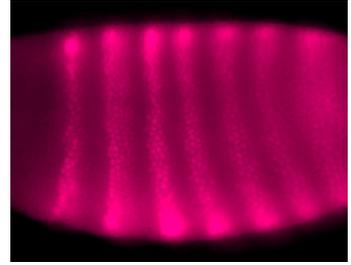
Previous colleges or universities attended:

Have you participated in an REU program before?

If so, when? & Where?

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2010 REU Program in Systems Biology

research experiences for undergraduates

Research area(s) of interest:

- Transcriptional dynamics in stressed bacteria
- Ancestral metazoan stress response circuits
- Drosophila* segmentation network
- Drosophila* eye development
- Hematopoietic stem cell differentiation
- Other:

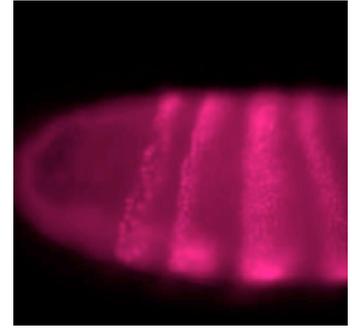
Describe your specific interest regarding this program (e.g. experiment or theory, particular research area, or project if strong preferences exist):

Relevant Work, Life, or Laboratory Experience (employer, type of work, dates of employment, talents and practical skills, previous participation in an REU or other summer program):

Computer Experience (Please list the types of computers you have used and any programming languages or operating systems with which you have had experience):

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Chicago Center for Systems Biology**



2010 REU Program in Systems Biology research experiences for undergraduates

Please include along with the application a personal statement (of at least 200 words) describing your academic and research goals and how participation in a CCSB Undergraduate Research Program would help you achieve these goals.

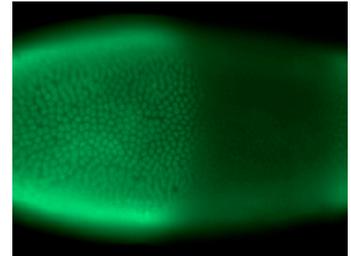
Personal Statement:

Please send the Application Form together with your statement, 2 letters of recommendation, and official transcript to the address below:

Barry Aprison, Ph.D.
Lecturer, Biological Sciences Collegiate Division
Education and Outreach Director
Institute for Genomics & Systems Biology
Committee on Genetics, Genomics & Systems Biology
Chicago Center for Systems Biology
Knapp Center for Biomedical Discovery
The University of Chicago
900 E. 57th Street, KCBD 10114
Mailbox 10
Chicago, Illinois 60637
bapriso@bsd.uchicago.edu

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Chicago Center for Systems Biology



2010 REU Program in Systems Biology

research experiences for undergraduates

Letter of Recommendation

Name of applicant: _____

In accordance with the provisions of the Federal Education and Privacy Act of 1974, enrolled students have the right to see their letters of recommendation unless they have explicitly waived that right. Check one:

I waive my right of access to this recommendation. • I do not waive my right of access to this recommendation.

Signature of applicant

Date

Name of respondent (Please print)

College, University, or Company

Department

Title and Position

Note to respondent: We appreciate your candid evaluation of the applicant named above. We are interested in how long and in what capacity you have known the applicant, your impression of the applicant's initiative, intellectual capabilities, resourcefulness, and any other specific qualities that you feel are important to judge his or her potential for further study and research leading to a career in the biological sciences.

Signature of respondent

Date

Please mail the completed recommendation to the indicated address by March 1, 2010.