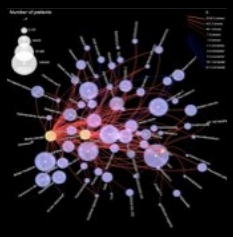
CONTE CENTER
FOR COMPUTATIONAL NEUROPSYCHIATRIC GENOMICS
nature & nurture. remodeled

Institute for Genomics & Systems Biology

University of Chicago
Stanford University
Columbia University
Northwestern University
University of Illinois at Chicago
University of Haifa
Harvard Medical School

$4,000 Stipend
Research awards are based on academic excellence and potential. Students are given lab space to work on projects with mentor support.

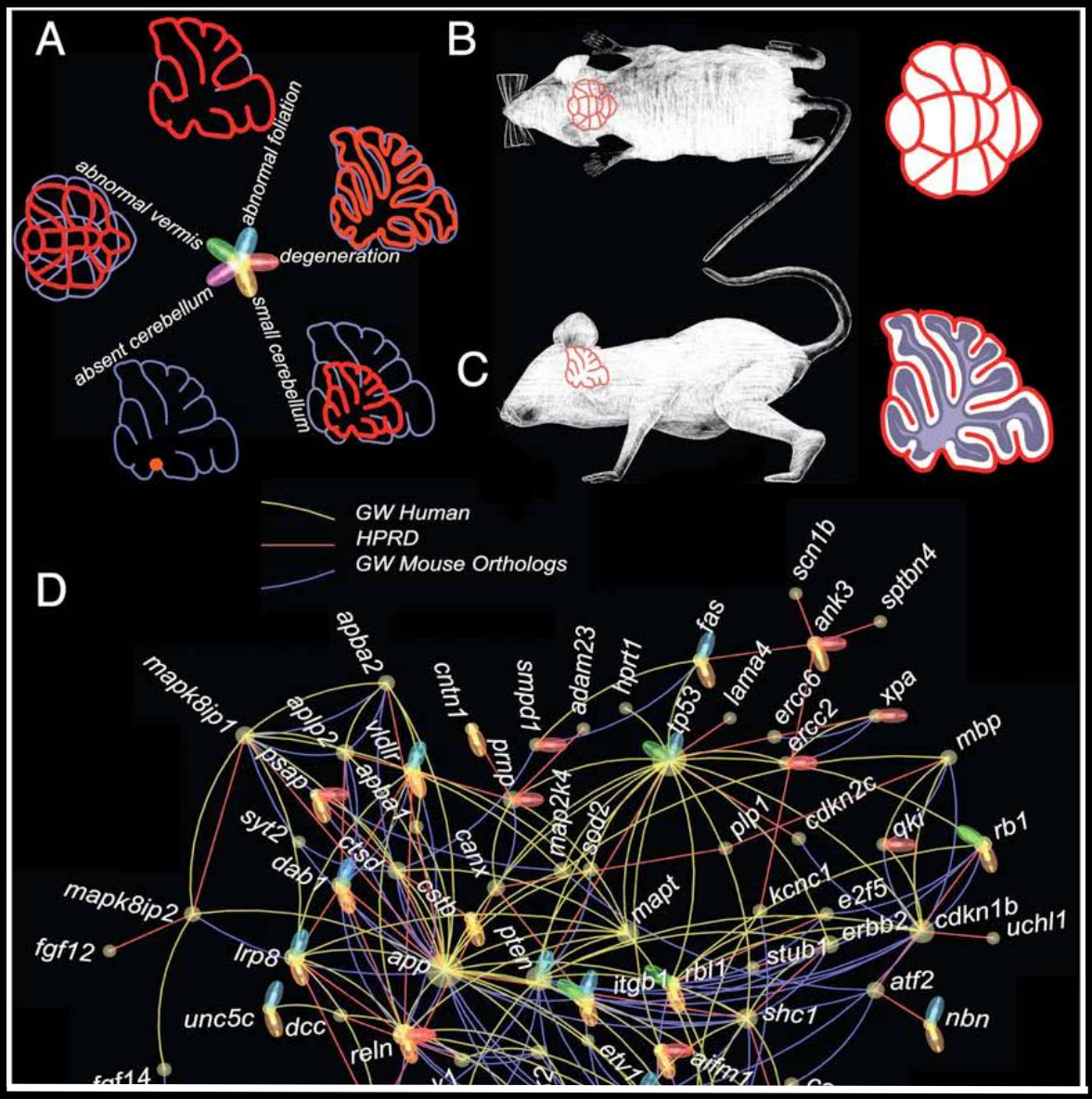


Conte Center Training Focus
The Center is training the next generation of scientists and physicians in the art and science of translational mental health research.

Applicants
REU participants are selected from a nationwide pool of undergraduates. In 2015 there were REU students from the University of North Carolina, Princeton University, Washington University, Indiana University, University of California, Berkeley and the University of Chicago.

2016 REU Program in Computational Neuropsychiatric Genomics

research experiences for undergraduates



www.contechicago.org

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The Conte Center is seeking qualified undergraduates for **Research Experiences for Undergraduate** (REU) summer projects at the University of Chicago. Housing will be provided at the University's Max Palevsky Residential Commons. REU stipends are set at $4,000 to cover personal expenses, such as travel to Chicago for the program. Projects will run from June 13 to August 19. Offers for participation will be made based on application reviews, interviews, academic excellence, motivation, scientific potential, and career goals aligned with Center projects. Applicants with quantitative and computational backgrounds are especially encouraged to apply. Participants must be U.S. citizens or permanent residents and enrolled in accredited undergraduate degree programs, concentrating in the biological, physical, quantitative, or computational sciences.

If selected, REU students will be matched with Conte faculty researchers and lab associates who will mentor project activities. Information about the Conte Center is at www.contechicago.org.
There will be a mid-summer working lunch and an informal journal club to discuss research projects and scientific papers. At the conclusion of the summer program, students will produce written reports and present their research findings at an REU Conte symposium.

The Conte Center is led by the University of Chicago but it also includes collaborating investigators at Stanford University, Columbia University, Northwestern University, the University of Illinois at Chicago, the University of Haifa, and Harvard Medical School. Conte research projects focus on neuropsychiatry; genetic architecture and environmental factors associated with neuronal development and function; disturbances in neuronal patterning, connectivity, neurochemistry, and neurophysiology correlated with behavior risk alleles; hubs and edges of biological pathways and regulatory networks; and predictive models for studying phenotype-gene-environment associations.

REU students will have access to Conte Center Core technologies, as well as University of Chicago libraries, athletic facilities, and social and cultural events.

The deadline for receipt of all application materials is **February 8, 2016**. To apply please send via mail or email the completed application with the personal statement. Arrange to have an official school transcript submitted. Two confidential letters of recommendation should be mailed or emailed directly to:

Barry Aprison, Ph.D.
University of Chicago
Institute for Genomics & Systems Biology
Knapp Center for Biomedical Discovery
900 East 57th Street, Rm. 10-114
Chicago, IL 60637
baprison@bsd.uchicago.edu

2016 REU Program in Computational Neuropsychiatric Genomics

research experiences for undergraduates

2016 Summer Conte Center Research Experiences for Undergraduates Application

Application Deadline: ***February 8, 2016***

Name (first, middle, last):

male/female

College or University:

Major field of study: **Current year of study**: **Expected graduation date**:

College address:

_____

_____

_____

_____

email: _____

College phone:

Home address:

_____

_____

_____

_____

Home phone:

Date of birth:

Place of birth (city, county, country):

Citizenship (must be US citizen or permanent resident):

U. S.

Other _____

(country)

U.S. Permanent Resident

Student ID Number:_____

Ethnicity**:**

African-American

Asian-American

Caucasian

Hispanic

Native American

Other_____

Overall GPA:

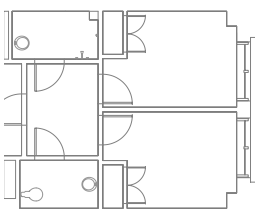
GPA in science and math-related subjects:

Previous colleges or universities attended:

Have you participated in a REU program before?

If so, when? & where?

Conte REU students will reside in single suites in the *Max Palevsky Residential Commons* at the University of Chicago. Participants move in on Monday June 13, 2016. The next morning there will be a kick-off meeting at the Knapp Center for Biomedical Discovery. REU students will then be escorted to their labs to meet with their mentors to plan summer research projects.



2016 REU Program in Computational Neuropsychiatric Genomics

research experiences for undergraduates

Research area(s) of interest:

__ Gene associations and genetic linkage data regarding bipolar disorder, schizophrenia, & autism
__ Large-scale predictive modeling and analyses of phenotypic and environmental records
__ Cataloguing genome annotations and enhancing understandings about the biological basis of complex human disorders
__ Genetic variation, pathways, proximity of genes in molecular networks, and relationships to environmental stimuli & behavior
__ Mathematical models that analyze genomic, clinical and pharmacogenomic data with computational tools
__ 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):

_____

_____

_____

_____

2016 REU Program in Computational Neuropsychiatric Genomics

research experiences for undergraduates

Please include along with the application a personal statement of at least 200 words. It will describe your academic and research goals and clarify how participation in the Conte REU summer program at the University of Chicago will help you achieve these goals.

Personal Statement:

Please mail or email your completed application to:

Barry Aprison, Ph.D.
Knapp Center for Biomedical Discovery, Rm. 10-114
University of Chicago
900 E. 57th Street
Chicago, Illinois 60637
baprison@bsd.uchicago.edu

Separate confidential letters of recommendation and an official transcript can be mailed or emailed by your recommenders and school.

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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.

Circle 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

The completed recommendation is due by **February 8, 2016.**