

# The University of Chicago 2019 Broader Impacts Fair

*Co-sponsored by: Biological Sciences Division, Pritzker School for Molecular Engineering, Physical Sciences Division, Social Sciences Division, The College, Office of Civic Engagement, and Office of the Provost–Research Development Support*

## What are Broader Impacts?

"Broader Impacts" are the set of outcomes established by the National Science Foundation that encourage scientists to use their research and knowledge to improve society at large. The National Science Foundation values the advancement of scientific knowledge and activities that contribute to the achievement of societally relevant outcomes.

Such outcomes **include, but are not limited to:**

- full participation of women, persons with disabilities, and underrepresented minorities in science, technology, engineering, and mathematics (STEM);
- improved STEM education and educator development at any level;
- increased public scientific literacy and public engagement with science and technology;
- improved well-being of individuals in society;
- development of a diverse, globally competitive STEM workforce;
- increased partnerships between academia, industry, and others;
- improved national security;
- increased economic competitiveness of the United States;
- and enhanced infrastructure for research and education.

## Choosing an Opportunity: Advice for Graduate Students and College Students

### Consider Your Interests

What are you passionate about? What Broader Impact outcomes interest you the most? In which area(s) would you like to have an impact? How could you effect change in the area(s) you are most interested?

### Consider Your Schedule

Make sure that you are clear on the timing and scheduling of commitments, as well as your role in the opportunity.

### Search Campus Opportunities

There is a list of University-affiliated opportunities with a STEM focus on the following pages. Read this list and consider which programs might be a good match for your interests.

You can also make an appointment to meet with Shaz Rasul in the Office of Civic Engagement to talk about your interests, and even pitch a new program idea: [shaz@uchicago.edu](mailto:shaz@uchicago.edu)

### Talk to Your Faculty Advisor

Your faculty advisor may have an ongoing opportunity you can participate in, so be certain to ask him or her when you discuss your plans. **Whatever opportunity or program you would like to participate in, you need to talk with your research advisor about your plan.**

## Adler Planetarium

### Table: 1

**Contact:** Anthony Galicia, [agalicia@adlerplanetarium.org](mailto:agalicia@adlerplanetarium.org)  
**Website:** <https://www.adlerplanetarium.org>

The Adler Planetarium's mission is to connect people to the Universe and to each other under the sky we all share. The Adler connects people, communities, and institutions to one another through the wonder of space science so we can explore our Universe together and use our collective knowledge and skills to create a better world for everyone.

**Opportunities:** We have researchers that present in our Space Visualization Lab on topics related to their research, or about current events. In Far Horizons, volunteers assist with designing and building experiments with participants of all ages to send them to the stratosphere aboard high-altitude balloons.

**Opportunities for scientists to conduct research:** This is on a case by case basis depending on the individuals current research. We do have researchers volunteer and work with the Adler.

**Most relevant disciplines:**  
Engineering, Mathematics

**Best suited for:**  
College Students, Graduate Students, Postdocs, Faculty

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## After School Matters®

### Table: 2

**Contact:** Janelle Veselik, [janelle.veselik@afterschoolmatters.org](mailto:janelle.veselik@afterschoolmatters.org)  
**Website:** <https://www.afterschoolmatters.org>

After School Matters® is a non-profit organization that provides life-changing after-school and summer program opportunities to more than 18,000 Chicago high school teens each year.

**Opportunities:** We have multiple opportunities for scientists. Groups can come and do a workshop with a program. Individuals can come as a guest speaker or to teach a master class.

**Most relevant disciplines:**  
Biological Sciences, Physical Sciences,  
Social Sciences, Engineering, Mathematics

**Best suited for:**  
College Students, Graduate Students, Postdocs, Faculty

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## Argonne National Laboratory

### Table: 3

**Contact:** Jacquie Otmanski, [stemoutreach@anl.gov](mailto:stemoutreach@anl.gov)  
**Website:** <https://www.anl.gov/>

Argonne National Laboratory is a multidisciplinary science and engineering research center, where talented scientists and engineers work together to answer the biggest questions facing humanity, from how to obtain affordable clean energy to protecting ourselves and our environment. Ever since we were born out of the University of Chicago's work on the Manhattan Project in the 1940s, our goal has been to make an impact—from the atomic to the human to the global scale.

**Opportunities:** Argonne's Educational Volunteer Program connects Argonne staff and University of Chicago students with educational volunteer opportunities across the Chicagoland area. Throughout the year, Argonne's Educational Programs and Outreach department receives volunteer requests from schools, libraries, and other community-based educational institutions. Educational Volunteers receive a bi-weekly email with a list of upcoming volunteer opportunities. Opportunities include science fairs, guest speaking, career days, STEM competitions and other outreach events. Educational Volunteers sign up based on interest and availability. No minimum volunteer hours required.

**Most relevant disciplines:**  
Biological Sciences, Physical Sciences,  
Social Sciences, Engineering, Mathematics

**Best suited for:**  
College Students, Graduate Students, Postdocs, Faculty

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## Artifice

## Table: 4

**Contact:** William Carpenter, [wcarpenter@uchicago.edu](mailto:wcarpenter@uchicago.edu)  
**Website:** <http://www.artificechicago.org>

Artifice is a non-profit organization whose mission is to use project-based, hands-on learning to endow participants with tech skills necessary for the 21st century. Founded by UChicago grad students in 2013, we have partnered with local schools to host afterschool programs in introductory electronics, robotics, and programming. Our afterschool tech center in the Woodlawn neighborhood provides a space for participants to tinker and execute their own tech projects.

**Opportunities:** We are recruiting volunteers for each of our weekly programs. Working with a session leader, volunteers help guide 6-10 students through our lessons. Time commitment of 1.5-2 hours/week. Programs for 2019-2020: Intro/advanced electronics and robotics at Ray Elementary (57th & S Harper); LEGO Robotics Team at Bret Harte Elementary (56th & S Stony Island); Open sessions at the Artifice Tech Center (65th & S Stony Island)

**Most relevant disciplines:**  
Physical Sciences, Engineering

**Best suited for:**  
College Students, Graduate Students, Postdocs

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## Carole Robertson Center for Learning

## Table: 5

**Contact:** Kenny Riley, [rileyk@crcl.net](mailto:rileyk@crcl.net)  
**Website:** <https://crcl.net/>

The Carole Robertson Center for Learning is a private non-profit organization serving more than 1000 children and their families on the west side of Chicago. Programs reach children at every stage of development—from birth to age 15—and are bilingual in English and Spanish. Children with special needs are welcome in all programs.

**Opportunities:** Volunteers to lead STEM activities with youth. Help inspire future scientists. Help analyze program quality data. Support youth with Math homework.

**Opportunities for scientists to conduct research:** Occasionally if it helps to improve our programming.

**Most relevant disciplines:**  
Social Sciences, Mathematics

**Best suited for:**  
College Students, Graduate Students

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## Chicago Pre-College Science and Engineering Program

## Table: 6

**Contact:** Kenneth Hill, [afenikwesi@me.com](mailto:afenikwesi@me.com)  
**Website:** <https://chiprep.org>

ChiS&E's mission is to motivate and prepare historically under-represented groups (African Americans, Latinos) for careers in science, mathematics, engineering, or computer science.

**Opportunities:** We would like to partner with the University of Chicago to provide Saturday enrichment classes in science, computer science, mathematics and engineering.

**Most relevant disciplines:**  
Physical Sciences, Engineering, Mathematics

**Best suited for:**  
College Students, Graduate Students, Postdocs, Faculty

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## Chicago Public Schools Student Science Fair

## Table: 7

**Contact:** Ethelene Hare, [ehare@att.net](mailto:ehare@att.net)  
**Website:** <http://www.cpsscifair.org>

The Chicago Public Schools Student Science Fair, Inc. is a nonprofit organization that sponsors the annual Exhibition of Student STEM Research. The exhibition impacts approximately 8,000 Chicago Public Schools (CPS) students as they present their research projects in science, technology, engineering and mathematics. In preparation for the exhibition, operating

committee chairpersons need volunteers to serve as judges, safety inspectors, essay and research paper readers, and mentors.

**Opportunities:** 1) Exhibit judges are needed to evaluate students' projects. 2) Symposium judges are needed to evaluate research papers presented by high school competitors. 3) Volunteers are needed to screen essays and research papers. 4) Safety inspectors are needed to inspect students' projects for compliance with rules found in the Handbook. 5) Mentors are needed to assist students when help from parents and the library have been exhausted.

**Opportunities for scientists to conduct research:** Yes. More statistics are needed in assessing the impact of the Exhibition of Student STEM Research and other activities.

**Most relevant disciplines:**

Physical Sciences, Engineering, Mathematics

**Best suited for:**

College Students, Graduate Students, Postdocs, Faculty

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## Computational STEM Lab

### Table: 13

**Contact:** Lauren Blake, leblake@uchicago.edu  
**Website:** <https://computational-stem-lab.github.io/>

Computational STEM Lab is a UChicago student, staff, and faculty-led organization working to build interest in the computational sciences. We connect pre-college students with scientists from all levels of training by hosting educational coding workshops on and off campus. Our past workshops have served students from Bishop Noll High School in Indiana and Rauner College Prep in Chicago. We're especially passionate about engaging with students from backgrounds traditionally underrepresented in STEM.

**Opportunities:** 1) Helping high students learn to code at two-hour workshops. 2) Helping develop materials for others to teach at coding workshops. 3) Giving a presentation on your research to high school students.

**Most relevant disciplines:**

Biological Sciences, Physical Sciences, Engineering, Mathematics

**Best suited for:**

College Students, Graduate Students, Postdocs

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## Expanding Your Horizons

### Table: 9

**Contact:** Heather Macomber, hmacomber@uchicago.edu  
**Website:** <https://eyhchicago.com/>

Expanding Your Horizons (EYH) is a national network that hosts one-day conferences to encourage young women to pursue science, technology, engineering, and mathematics (STEM) careers. EYH Chicago will host our 2020 conference on March 28, 2020, at UIC.

**Opportunities:** We are looking for both organizing committee members and day-of-event volunteers.

**Most relevant disciplines:**

Biological Sciences, Physical Sciences, Social Sciences, Engineering, Mathematics

**Best suited for:**

College Students, Graduate Students, Postdocs, Faculty

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## Fermilab Lederman Science Center

### Table: 10

**Contact:** Susan Dahl, sdahl@fnal.gov  
**Website:** <http://ed.fnal.gov>

Fermilab is America's particle physics and accelerator laboratory. Our vision is to solve the mysteries of matter, energy, space and time for the benefit of all. We strive to lead the world in neutrino science with particle accelerators, lead the nation in the development of particle colliders and their use for scientific discovery, and advance particle physics through measurements of the cosmos. We drive discovery by developing new technologies that support U.S. industrial competitiveness.

**Opportunities:** Scientists, engineers, graduate students and other STEM employees reach out to schools to share their enthusiasm and knowledge in STEM with grade 2-12 students by bringing interactive physics, engineering and computing presentations to area schools. Volunteers are also used at major events such as the Family Open House (February) and STEM Career Expo (April). Those interested in the prairie can participate in the annual seed harvests (September and October). Other volunteer opportunities may also arise throughout the year. Join us.

**Most relevant disciplines:**  
Biological Sciences, Physical Sciences

**Best suited for:**  
College Students, Graduate Students, Postdocs

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## Field Museum

## Table: 11

**Contact:** Megan Bradley, mbradley@fieldmuseum.org

**Website:** <http://www.fieldmuseum.org>

The Field Museum fuels a journey of discovery across time to enable solutions for a brighter future rich in nature and culture.

**Opportunities:** Public Floor volunteer roles include docents (tour guides) and Discovery Squad (interactive carts sharing science with Museum visitors). Behind-the-scenes volunteer roles include helping with research, collection care and documentation and labs.

**Opportunities for scientists to conduct research:** Yes, but they would have to go through a vetting process to be a Scientific Associate. This is different from volunteering with the Museum.

**Most relevant disciplines:**  
Biological Sciences, Social Sciences

**Best suited for:**  
College Students, Graduate Students, Postdocs, Faculty

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## Homewood Science Center

## Table: 12

**Contact:** Edie Dobrez, edobrez@homewoodsciencecenter.org

**Website:** <https://www.homewoodsciencecenter.org>

Homewood Science Center's mission is to inspire scientific wonder, learning, and pursuit. PopUp SCIENCE, creates hands-on opportunities for parent involvement and early education. South Suburban STEAM Network (SSSN) convenes stakeholders to strengthen STEAM initiatives in the Southland. Girls STEAM Ahead program addresses gender inequity in STEAM professions. "Roller Coasters: An Inventor's Journey," is HSC's field trip program designed to increase elementary school students' skill, understanding, and self-efficacy in the engineering design process.

**Opportunities:** There are several ways that a scientist could help our organization: 1) Volunteer to present at PopUp SCIENCE. 2) Speak at an evening 'Spotlight On' event. 3) Develop a hands-on activity for school age children. 4) Involve the community in a citizen science project. We are flexible! If you have an idea of how to engage with the community, we want to hear it.

**Opportunities for scientists to conduct research:** Yes! We support scientist and we would be happy to discuss research opportunities.

**Most relevant disciplines:**  
Biological Sciences, Physical Sciences,  
Social Sciences, Engineering, Mathematics

**Best suited for:**  
College Students, Graduate Students

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## Hyde Park Neighborhood Club

Table: 8

**Contact:** Kyle Losey, klosey@hpnclub.org

**Website:** <http://hpnclub.org/>

At HPNC children of all ages from diverse backgrounds enjoy fun and educational activities in a warm and safe environment. Partnering with schools, parents, and the community, we meet children's needs with innovative, age-appropriate programs—from infancy to 12th grade.

**Opportunities:** We would love to run a one-hour science enrichment course three days a week from 5:15-6:15. Volunteers may also work as TAs.

**Most relevant disciplines:**

Biological Sciences, Physical Sciences,  
Social Sciences, Mathematics

**Best suited for:**

College Students, Graduate Students, Postdocs, Faculty

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## Illinois Science & Technology Institute

Table: 14

**Contact:** Emily Cooper, ecooper@istcoalition.org

**Website:** <https://www.istcoalition.org/education-programs/>

The Illinois Science & Technology Institute (ISTI) is a STEM-focused nonprofit that provides programs and partnerships to connect companies and universities with classrooms. ISTI supports high schools, universities, and companies who want to impact the next generation of innovators, to build a stronger, more inclusive talent pipeline in Illinois.

**Opportunities:** The Illinois Science & Technology Institute (ISTI) is a nonprofit organization that runs a virtual mentoring platform called the Mentor Matching Engine (MME). MME is an online collaboration tool that pairs high school students with mentors to collaborate on student-driven research projects. MME is a great way to give back to younger students—anytime, anywhere. It is also a helpful way to build your own experience in your field of study, build your CV, get students interested in your university, and interact with your community. We typically ask mentors to commit about half an hour a week. Communication is entirely virtual with all discussion and video conferencing through the platform. Mentoring on MME is a great way to reach students who might not otherwise have the opportunity to work with mentors like you.

**Most relevant disciplines:**

Biological Sciences, Physical Sciences,  
Social Sciences, Engineering, Mathematics

**Best suited for:**

College Students, Graduate Students, Postdocs

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## Illinois Science Council

Table: 16

**Contact:** Monica Metzler, mmetzler@illinoisscience.org

**Website:** <http://www.illinoisscience.org>

Illinois Science Council is a volunteer-driven nonprofit organization that educates and entertains the adult public about science and technology in our everyday lives. ISC is the science and technology complement to the region's arts & culture offerings, exploring all areas of science and technology with a fun, non-stuffy approach. We have produced programs such as: author talks, film screenings, panel discussions, tours, and hands-on chemistry (chemistry of beer, chocolate, etc.), and we produce the Chicago Science Festival every May.

**Opportunities:** We are open to partnering with scientists to develop creative broader impacts efforts for NSF proposals. We also have great opportunities on our Associates Board for grad students or postdocs interested in executing and promoting our outreach programs. Projects include: planning and executing science events; marketing and promoting; helping with fundraising and grant writing; implementing best practices for evaluation; participating in volunteer recruitment events; and anything cool and helpful you come up with!

**Most relevant disciplines:**

Biological Sciences, Physical Sciences,  
Social Sciences, Engineering, Mathematics

**Best suited for:**

Graduate Students, Postdocs, Faculty

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## Lincoln Park Zoo

(Not Present)

**Contact:** Betsy Maher, volunteer@lpzoo.org

**Website:** <https://www.lpzoo.org/>

The mission of Lincoln Park Zoo is to connect people with nature. We do this in a variety of ways and could not do it without our amazing volunteers. Volunteers play a critical role in carrying out the mission of Lincoln Park Zoo and keeping it free and open to all 365 days a year.

**Opportunities:** The Lincoln Park Zoo will be seeking volunteers in Spring 2020 for a variety of volunteer roles. We have a wide range of opportunities including working with the guests, collecting behavioral observations on the animals, building enrichment for the animals, and assisting at special events. For more information please visit [www.lpzoo.org/volunteer](http://www.lpzoo.org/volunteer). The zoo also welcomes over 60 interns to the zoo each year who work in nearly every department of the zoo. For internship opportunities visit [www.lpzoo.org/internships](http://www.lpzoo.org/internships).

**Most relevant disciplines:**

Biological Sciences

**Best suited for:**

College Students, Graduate Students, Postdocs, Faculty

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## MAPSCorps

Table: 15

**Contact:** Jessie Gotsdiner, jessie.gotsdiner@mapscorps.org

**Website:** <http://www.mapscorps.org>

MAPSCorps (Meaningful Active Productive Science in Service to Community) trains high school students and near-peer mentors to collect high-quality data about community assets in 60 of 77 Chicago neighborhoods. Each summer, field staff walk our city's blocks to gather data on our web-based app. Youth analyze the data and present their findings to the community at a Scientific Symposium. The City of Chicago and other key stakeholders use our data, which are published online for free for non-commercial usage.

**Opportunities:** Hiring three roles for Summer 2020: Field Supervisors (4 positions), Field Coordinators (40), and Data Coordinators (3). Experience with data, a STEM field, and/or youth desired.

**Most relevant disciplines:**

Biological Sciences, Physical Sciences,  
Social Sciences, Engineering, Mathematics

**Best suited for:**

College Students, Graduate Students

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## Mathematics Department, The University of Chicago

Table: 17

**Contact:** Robert Fefferman, rfefferm@uchicago.edu

**Website:** <https://mathematics.uchicago.edu>

Volunteer opportunities involve participation in various roles in an outreach program whose mission is the improvement of math education in the Chicago Public Schools. The participants in the program are CPS teachers in the elementary and middle grades.

**Opportunities:** We have available teaching assistantships, and other positions that involve interacting with the participating teachers.

**Most relevant disciplines:**

Mathematics

**Best suited for:**

College Students, Graduate Students, Postdocs, Faculty

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## Materials Research Science and Engineering Center, MRSEC

Table: 18

**Contact:** Jeffrey Gustafson, jeffgus@uchicago.edu

**Website:** <https://mrsec.uchicago.edu/education/>

MRSEC's education outreach aims to foster greater interest and wider participation in STEM among young students, especially underrepresented minorities and women, on the South Side. Weekly volunteer opportunities include running

hands-on STEM activities with K-6 students at a local elementary school, as well as running an intro to materials science class for high school students. There are also family STEM nights throughout the school year where volunteers help engage students and families with STEM concepts through interactive demonstrations.

**Opportunities:** We don't expect volunteers to be able to join us every week or for every event. If volunteers are able to come once a month or every other week, they would be a great help for our programs! The students do love to see volunteers who are able to be present somewhat regularly and they are usually eager to ask questions about what it is like to go to college or to be a scientist.

**Most relevant disciplines:**

Biological Sciences, Physical Sciences, Engineering, Mathematics

**Best suited for:**

College Students, Graduate Students, Postdocs

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## Neighborhood Schools Program

**Table: 19**

**Contact:** Monica Luna, monicaluna@uchicago.edu

**Website:** <https://nsp.uchicago.edu>

Founded in 1976 as an effort to create pathways of engagement between the University and local schools, the Neighborhood Schools Program has grown and now partners with 50 sites on Chicago's South Side and involves over 500 University student employees/volunteers engaging with more than 4,000 local youth annually. Our 50 sites include elementary, middle, and high schools, community centers, and government offices. We place students in roles such as tutors, teaching assistants, administrative interns, and preschool specialists.

**Opportunities:** NSP employees/volunteers can work in schools as tutors, teaching assistants, and/or administrative interns. Some of our highly-engaged program participants choose to develop and implement their own after-school initiatives at their placement sites. Science undergrad/grad students would help us make science and science research more accessible to community youth on the South Side of Chicago.

**Most relevant disciplines:**

Biological Sciences, Physical Sciences, Social Sciences, Mathematics

**Best suited for:**

College Students, Graduate Students

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## Project Syncere

**(Not Present)**

**Contact:** Andrienne Wheeler, awheeler@projectsyncere.org

**Website:** <https://www.projectsincere.org/>

Project SYNCERE is a nonprofit devoted to preparing minds and creating pathways for underrepresented and disadvantaged students to pursue careers in STEM.

**Opportunities:** Volunteers can assist us by attending programs and telling students the type or work they do. In addition they may assist as judges for our annual ENpowered Games Event.

**Opportunities for scientists to conduct research:** Possibly, depending on the nature of the research.

**Most relevant disciplines:**

Engineering

**Best suited for:**

College Students, Graduate Students, Postdocs, Faculty

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## Shedd Aquarium

## Table: 20

**Contact:** Mary Andrusyk, mandrusyk@sheddaquarium.org  
**Website:** <https://www.sheddaquarium.org>

Shedd Aquarium is a conservation organization that welcomes 2 million guests each year, sparking compassion, curiosity and conservation for the aquatic animal world.

**Opportunities:** Shedd Aquarium is currently seeking individuals interested in science communication, relaying animal stories to guests through conversations, live animal touch experiences and hands-on engagements.

**Most relevant disciplines:**  
Biological Sciences

**Best suited for:**  
College Students, Graduate Students

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## Society for the Advancement of Chicanos/Hispanics and Native Americans in STEM

## Table: 21

**Contact:** Juan Vazquez, juanvazquez@uchicago.edu  
**Website:** <http://ucsacnas.org>

The mission of SACNAS is to support inclusivity, professional advancement, and educational opportunity for STEM students from underrepresented groups, for both graduates and undergraduates. Our mission is to empower and provide the tools for all students to succeed in their respective fields, whether in academia or in industry. We provide a combination of personal and professional development workshops and panels catering to the diverse interests of our members, in order to best prepare them for their next steps in life.

**Opportunities:** Social Media Manager, Project Leaders, Mentors

**Opportunities for scientists to conduct research:** We welcome all suggestions and proposals for working with our group.

**Most relevant disciplines:**  
Biological Sciences, Physical Sciences,  
Social Sciences, Engineering, Mathematics

**Best suited for:**  
College Students, Graduate Students, Postdocs

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## Space Explorers

## Table: 22

**Contact:** Timothy Hoffman, hoffmant@uchicago.edu  
**Website:** <https://kicp.uchicago.edu/education/explorers/>

Space Explorers is a Kavli Institute for Cosmological Physics (KICP) program to work with local high school students on weekends and during multi-day institutes to teach them STEM topics such as computer programming, artificial intelligence, critical thinking and more. This year the students will learn about game theory through the lenses of rule-based strategies, physical games, social and political power structures, and evolution of meta strategies.

**Opportunities:** Volunteers can drop in for small individual tasks or help with the program more long-term. Opportunities include assisting with lab design and testing, being a field trip chaperone, facilitating student learning during the institutes, and more! Volunteers are mainly needed around Winter break and in the Summer months. All are welcome to participate!

**Opportunities for scientists to conduct research:** There is a ripe opportunity for education research through the evaluation of the program. We are very interested in collaborating with University of Chicago volunteers.

**Most relevant disciplines:**  
Biological Sciences, Physical Sciences,  
Social Sciences, Engineering, Mathematics

**Best suited for:**  
College Students, Graduate Students, Postdocs, Faculty

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## TTIC Girls Who Code

## Table: 23

**Contact:** Rose Bradford, [rose@ttic.edu](mailto:rose@ttic.edu)  
**Website:** <https://girlswhocode.com/about-us/>

The Toyota Technical Institute of Chicago (TTIC) has started a Girls Who Code Club. The mission of Girls Who Code is to close the gender gap in technology and to change the image of what a programmer looks like and does.

**Opportunities:** We are looking for speakers and people who can bring new project ideas.

**Most relevant disciplines:**

Physical Sciences

**Best suited for:**

College Students, Graduate Students, Postdocs

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## Strive

## Table: 24

**Contact:** Tameka Lawson, [tameka@strivechicago.org](mailto:tameka@strivechicago.org)  
**Website:** <https://www.strivechicago.org>

Strive provides free tutoring and mentoring to Chicago youth that reside on the south side of the city.

**Opportunities:** We have tutoring roles available as many of our middle and high school students struggle with science in school. We also host science fairs and workshops for our students who are interested in learning more about science.

**Most relevant disciplines:**

Social Sciences, Engineering, Mathematics

**Best suited for:**

College Students, Graduate Students

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## Splash! Chicago

## Table: 25

**Contact:** Chloe Lindeman, [cw lindeman@uchicago.edu](mailto:cw lindeman@uchicago.edu)  
**Website:** <https://splashchicago.learningu.org/>

Teach about your research, a hobby, or anything else that you are excited to share! Splash! Chicago organizes free classes for high school students on topics ranging from introductory quantum mechanics to international cinema to paradoxes in probability. This year, we will host two all-day events with hour-long classes. We're looking both for board members (weekly meetings to organize events) and teachers (one-time commitment).

**Opportunities:** We have two main roles to fill: teachers and board members. Teachers sign up to teach on a one-time basis. Classes are typically about an hour and can be on virtually any topic. We try to get a diverse group of classes from all disciplines. The board is a more regular commitment as we meet weekly throughout each quarter to plan our events, reach out to high schoolers, and recruit teachers.

**Most relevant disciplines:**

Biological Sciences, Physical Sciences,  
Social Sciences, Engineering, Mathematics

**Best suited for:**

College Students, Graduate Students, Postdocs

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## Tutoring Chicago

## Table: 28

**Contact:** EL Da' Sheon Nix, [enix@tutoringchicago.org](mailto:enix@tutoringchicago.org)  
**Website:** <https://www.tutoringchicago.org/>

Tutoring Chicago is a private, non-profit organization that provides free weekly tutoring to approximately 800+ economically disadvantaged students in grades one through six with the help of over 800+ dedicated volunteers. The organization is entering its 55th year of service and will have a capacity of 900+ students and volunteers for the 2019-2020 program year!

**Opportunities:** Tutoring Chicago is always looking for dedicated and committed volunteers to serve as tutors that provide weekly tutoring/mentoring support to our amazing students. Each tutor is paired with one student to support the student

in all subjects. Tutoring Chicago also provides occasional one-time volunteer opportunities where support is needed for various activities and events.

**Opportunities for scientists to conduct research:** Yes, we are always looking to analyze and evaluate the work that we do, and the ways in which we work to successfully fulfill our mission and vision. We need help with data analysis, strategic planning related to volunteer recruitment, and program evaluation.

**Most relevant disciplines:**  
Biological Sciences, Physical Sciences,  
Social Sciences, Engineering, Mathematics

**Best suited for:**  
College Students, Graduate Students, Postdocs, Faculty

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## The University of Chicago Medicine Comprehensive Cancer Center

**Table: 26**

**Contact:** Kathy Goss, kgoss@bsd.uchicago.edu

**Website:** [uchicagomedicine.org/EYES](http://uchicagomedicine.org/EYES)

The UCCCC supports cancer education and training initiatives across the career continuum. These include two cancer research pipeline programs: researchHStart for high school students, and Chicago EYES on Cancer program for high school and college students from populations underrepresented in the sciences. The EYES program also welcomes secondary science educators from underrepresented communities.

**Opportunities:** The UCCCC is recruiting volunteers to help with a range of education initiatives, particularly our cancer research training programs for high school and college students. Our volunteers serve as peer mentors, panelists and workshop facilitators. They also accompany us to schools and other local organizations (e.g., MSI) to educate our community about biomedical research and careers in the field. Commitments range from one hour to several weeks. There is generally minimal prep work and often none at all.

**Most relevant disciplines:**  
Biological Sciences

**Best suited for:**  
College Students, Graduate Students, Postdocs, Faculty

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## The University of Chicago Biotechnology Association (UCBA)

**Table: 27**

**Contact:** Avelino De Leon, aadeleon@uchicago.edu

**Website:** <http://chicagobiotech.org/>

The UChicago Biotechnology Association (UCBA) is aimed at providing resources and opportunities to graduate students to discover and explore non-academic careers with a focus on biotech and pharma. The UCBA is also interested in business and entrepreneurship through our experiences with the Booth School of Business and the Polsky Center for Entrepreneurship and Innovation.

**Opportunities:** We are actively recruiting eager graduate students to join the UCBA to help plan events, expand our network, and shape the way the UCBA serves its audience.

**Most relevant disciplines:**  
Biological Sciences, Physical Sciences, Engineering

**Best suited for:**  
Graduate Students

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## The University of Chicago Science Olympiad

**Table: 29**

**Contact:** Joyce Passananti, [uchicagoscio@gmail.com](mailto:uchicagoscio@gmail.com)

**Website:** <https://uchicagoscio.com/>

We are a group of students at the University of Chicago dedicated to increasing scientific participation and diversity through the established Science Olympiad program. We hope to accomplish this in the following ways: 1) Volunteering at nearby invitationals, Regionals, States, and Nationals 2) Hosting our own invitationals. 3) Local outreach to the Chicago Public School system.

**Opportunities:** We run several types of events throughout the year. 1) Workshops: Event Leaders teach hour-long Science-Olympiad related lessons; general volunteers to help with registration and set-up. 2) Invitationals: Event Directors run specific events; general volunteers help with registration and set-up. In addition we are always looking for new members for our club, to help organize and run invitationals and workshops as well as to volunteer at nearby invitationals.

**Most relevant disciplines:**  
Biological Sciences, Physical Sciences, Engineering

**Best suited for:**  
College Students, Graduate Students

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## The University of Chicago Science Policy Group

**Table: 30**

**Contact:** Nabil Faruk, nffaruk@gmail.com  
**Website:** <https://www.facebook.com/UCSPG/>

UChicago Science Policy Group (SPG) explores areas of science policy and promotes the making of policy decisions based on scientific evidence. We have held events related to criminal justice, environmental regulation, clean energy, education and more. These have often included invited speakers who are working in the field. We aim to prepare our members and attendees on how to be politically active as a scientist and to to prepare for a potential career in science policy.

**Opportunities:** Volunteers can help with all levels of event planning from conception, to inviting speakers, interfacing with politicians, booking space, and advertising. Many of our scientist volunteers contribute their knowledge of the scientific literature to prepare literature reviews. Scientists may participate as speakers/panelists or act as consultants during event planning.

**Most relevant disciplines:**  
Biological Sciences, Physical Sciences,  
Social Sciences, Engineering, Mathematics

**Best suited for:**  
College Students, Graduate Students, Postdocs, Faculty

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## The University of Chicago Upward Bound

**Table: 31**

**Contact:** Dovetta McKee, dovettam@uchicago.edu  
**Website:** <https://osp-cp.uchicago.edu>

UChicago Upward Bound is a FREE, four-year college access and success program. We recruit eighth through tenth grade students from low-income households who would be the first in the family to attend college. 100% of our participants graduate from high school. 99% are accepted by post secondary institutions and 90% enroll.

**Opportunities:** We seek undergraduate, graduate students and post-docs as tutors and/or teaching assistants in all levels of mathematics, sciences, and advance placement coursework for 9-12 grade students. Hours are flexible and based on a volunteer's availability, October through May, Monday through Thursday, from 4:00 p.m. to 6:30 p.m. and Saturdays from 9:00 a.m. to 1:00 p.m. Minimum 90 minute commitment required per timeslot. We also need one-off workshops that help students to connect academic content with research and potential careers. Duration 60 to 90 minutes. Saturdays from 9:00 a.m. to 12:00 p.m. from October through May.

**Most relevant disciplines:**  
Biological Sciences, Physical Sciences,  
Social Sciences, Engineering, Mathematics

**Best suited for:**  
College Students, Graduate Students, Postdocs, Faculty

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