The Chicago EYES on Cancer program welcomes secondary science educators from the Chicago area to expand their capacity for inquiry-driven, project-based instruction. Participants work full-time for two consecutive summers in the laboratories of established cancer researchers, gaining hands-on experience in areas at the forefront of the field: cancer immunology, pharmacogenomics of anticancer agents, experimental cancer therapeutics, cancer disparities, and more. The summer experience also includes curriculum development workshops, a cancer-based faculty lecture series, individualized mentoring, and a culminating research symposium for colleagues, family and members of the scientific community. During the intervening school year, participants receive ongoing support as they implement new knowledge and skills in the classroom. Participants receive a taxable stipend of $6,400 the first summer and $7,200 the second.

**PROGRAM DATES:** June 17 – August 9, 2019

**Chicago Public School teachers are encouraged to apply. Arrangements will be made to accommodate the program’s conflict with the school district’s calendar.**

**ELIGIBILITY REQUIREMENTS**

- Strong commitment to advancing students’ capacity for inquiry-driven, project-based science learning
- Familiarity with basic principles in cell and molecular biology and/or basic chemistry
- Ability to commit to the full two-year program, including 8-week research experiences (40 hours/week) for two consecutive summers
- United States citizen or permanent resident
- Teachers of those underrepresented in biomedicine, encompassing all relevant social, behavioral as well as health sciences, are strongly encouraged to apply. Applications are encouraged from any individuals with a demonstrated commitment to increase the full participation of underrepresented groups in biomedicine.


**ADMISSION**

Admission to Chicago EYES on Cancer is highly competitive. Approximately three new teacher research fellows are selected each year. Selection is based on applicants’ stated interest in the program, their capacity to impact the science learning experiences of underrepresented youth, and letters of support. To apply:

- Submit the online application form ([http://j.mp/2DfOTyX](http://j.mp/2DfOTyX)) before midnight on January 20th, 2019.
- Arrange for your principal or department chair to submit a letter of support by midnight on January 27th, 2019.
- Applicants who advance to the second round: Complete an in-person interview with the program leadership team, scheduled for February 21st, 2019.

**Conflict of Interest:** The selection of applicants is managed by the program leadership team. Immediate family members of the leadership team, UChicago faculty, or the Chicago EYES on Cancer Advisory Committee are ineligible for the program. All applications will be subject to the Conflict of Interest Policy.
APPLICATION INSTRUCTIONS
Access the Chicago EYES on Cancer application form for secondary science educators at http://j.mp/2DfOTyX. Be prepared to enter the following information:

Employment Information
• Current school name, address and phone number
• Current assigned courses and grade levels
• Current CV or resume (please include all coursework and certifications that reflect your level of expertise in the biomedical sciences, e.g., undergraduate classes in cellular and molecular biology, chemistry, etc.)

Program Information
• Your top three areas of interest, based on the following fields of cancer research:
  - Molecular Mechanisms of Cancer: Investigation of the molecular and cellular events that cause cancer and result in uncontrolled tumor cell growth and spread. Includes the study of gene mutations, signaling pathways, anti-tumor immunity, and regulation of cell proliferation, death, metabolism, motility and metastasis.
  - Clinical and Experimental Therapeutics: Research that focuses on identifying novel molecular targets for cancer therapy and translating research findings into clinical application by implementing new therapies, tests or tools into cancer patient care.
  - Computational Cancer Biology: Analysis and interpretation of genomic and other large-scale data (bioinformatics) to understand the causes, risk and outcomes of cancer.
  - Cancer Imaging: Development of innovative imaging technologies and analysis tools and methodologies to improve cancer detection, diagnosis and treatment.
  - Cancer Engineering: A type of biomedical or molecular engineering that applies engineering principles and design concepts to improve the prevention, detection, diagnosis and treatment of cancer.
  - Cancer Prevention and Control: Determination of the environmental, genetic, psychological, biobehavioral, and economic factors underlying the development, risk, prevention, diagnosis, prognosis, and survivorship of cancer.
  - Cancer Disparities: Understanding the underlying factors that cause certain populations to face an unequal burden of cancer incidence or mortality and devising strategies to reduce or eliminate those differences.

• Responses to the following questions:
  - Describe your role in the science education of underrepresented youth. Please include relevant activities outside of the classroom in addition to your regular teaching and advising responsibilities.
  - How would the Chicago EYES on Cancer program enhance your capacity as a science educator for underrepresented youth?
  - What goals do you have for your participation in the Chicago EYES on Cancer Program?
  - Is there anything else you’d like us to know about you?

Recommenders
• Name of either your principal or department chair, who will submit a recommendation on your behalf. You are responsible for making sure the letter is submitted by midnight on January 27th. Recommender information packet accessible here: cancer.uchicago.edu/eyes. Online recommendation form accessible here: http://j.mp/2DfMgNB.

APPLICATION DEADLINES
• January 20, 2019: Application form due by midnight
• January 27, 2019: Letter of support due by midnight
• February 21, 2019: On-campus admissions interviews
• March 1, 2019: Acceptance notification
• March 15, 2019: Commitment deadline

CONTACT
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