

Yale University President's Public Service Fellowship  
Summer 2021

YALE  
**Pathways**  
to Science

Yale Pathways to Science Summer Scholars Program



- Organization: **Yale Pathways to Science Summer Scholars Program**
  - Full street address of organization: **433 Temple Street, New Haven, CT 06511**
  - Website: **[www.yale.edu/scienceoutreach](http://www.yale.edu/scienceoutreach), [www.instagram.com/yalepathwaystoscience](https://www.instagram.com/yalepathwaystoscience)**
  - Name and title of person who will be the Fellow's direct supervisor: **Maria Parente, Pathways to Science Manager**
  - Phone number and e-mail address of proposed direct supervisor: **203-215-2618, maria.parente@yale.edu**
  - Placement dates: **June 1 to August 13 (start/end dates are flexible)**
  - Are placement dates flexible? Are you able to accommodate a Fellow working in a different time zone? **Start and end dates are flexible. Also, hours are somewhat flexible when the Pathways Summer Scholars program is not in session (middle two weeks of July).**
  - Proposed 37.5 hour per week work schedule: **This is a full-time Student Program Associate position. Hours are usually weekdays ~9am-5pm, but there is flexibility given the virtual environment. However, during the program session (~July 9-July 26), hours are set to accommodate summer program hours ~8:30am-1pm.**
  - Organization description: **Pathways to Science is Yale's coordinated STEM outreach initiative that provides an overarching infrastructure for the many and varied STEM programs and events for local pre-college students at Yale. Through Pathways, local students are invited to participate in a variety of STEM programs and events on campus (and now virtually!) throughout the year. These programs, which emphasize student engagement and hands-on learning, are designed to increase students' interest in STEM fields, underscore the importance of STEM in their daily lives, and positively influence students' perception of their own ability to succeed in a STEM career. The Pathways Summer Scholars Program brings 100 local New Haven high school students for an intensive two-week summer program. During the program, students take workshops taught by Yale scientists in fields ranging from coding to neuroscience, chemistry, engineering, and more. The program is entirely free to students. The program shifted from on-campus to virtual in Summer 2020 and will continue virtually in Summer 2021.**
  - Write a 1-2 sentence summary of the work that the Fellow would be conducting: **The PPSF will join a team of Yale Pathways to Science staff, faculty, and graduate students to plan, prepare, implement, and evaluate the Pathways to Science Summer Scholars Program, a tuition-free STEM enrichment summer program for local New Haven high school students. The PPSF will be a thought partner in developing program structure, managing day-to-day logistics, and evaluating program effectiveness to begin preparations for the following summer.**
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- Write a more complete description of the specific project you propose and list the duties/outcomes expected of the Fellow.

**The PPSF will serve as a key member of the team charged with planning and designing the Pathways Summer Scholars Program. As the Student Program Associate, the PPSF is responsible for managing program preparation and ensuring that day-to-day operations run smoothly.**

**Prior to the program start, the fellow's duties will include preparing staff training materials and information for student participants, planning program activities, ordering supplies and materials, and maintaining contact with Yale faculty and students involved in the program.**

**The Pathways Summer Scholars placement also offers the PPSF an opportunity to work directly with local high school students in a unique and intense summer STEM program. During the two-week program session, the PPSF take on the role of a teaching assistant and mentor for program participants. The fellow will attend virtual sessions, aid in assignments and projects, and develop enrichment and virtual social programming.**

**Following the program session, the PPSF will be responsible for generating a brief summative report detailing the successes of the Pathways Summer Scholars Day Program and the suggestions for improvement for the following year's program.**

- List specific skills/experience required for this work:
    - ✓ **Maturity, energy, enthusiasm, and a genuine interest in young people are required.**
    - ✓ **Excellent organizational skills and writing skills.**
    - ✓ **Previous teaching experience or program curricular development preferred but not required.**
    - ✓ **A sense of humor.**
  - Equipment/resources you will provide to help Fellow conduct work: **All work will be done virtually on your machine. If connectivity issues arise, we can certainly discuss solutions. We will provide access to our shared documents.**
  - Briefly describe the work that Yale PPSF Fellows have done with your organization in the past and present. If you have not worked with Yale Fellows, describe any work that Yale students have done with your organization. **PPSF fellows have been leaders in Yale Pathways to Science summer programming since 2009. The role of the PPSF fellow cannot be overstated. In the Summer Scholars in-person program, PPSF fellows have served as mentors, residential advisors, and leaders in planning and executing program enrichment activities for local students. Feedback from past Summer Scholars participants indicate that the relationships forged with their undergraduate and graduate student mentors over the course of the program have encouraged participants to see themselves as college students and young scientists. This influence is powerful, as half of the summer participants will be first in family to attend college. Moreover, many undergraduate and graduate students choose to continue building on their work as a PPSF fellow during the academic year, volunteering at other STEM programs and events offered to Pathways high school students.**
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