Proposal for Fellow working remotely for organization

- Organization: Great Science For All

- Full street address of organization: 194 Curtis Drive, New Haven CT. 06515

- Website: GreatScienceForAll.org

- Name and title of person who will be the Fellow's direct supervisor: Dr. Heidi Gold-Dworkin

- Phone number and e-mail address of proposed direct supervisor:

  203-783-1114; drheidi@little-scientists.com

- Placement dates: June 1- August 13, 2021

- Are placement dates flexible? Are you able to accommodate a Fellow working in a different time zone? Yes, yes

- Proposed 37.5 hour per week work schedule: Monday to Friday 9 am – 5 pm

- Organization description:
- The goal of Great Science For All® (GSFA) is to provide science educational opportunities for challenged socio-economic communities and children in grades Pre-K through 8th grade.

  The mission of this non-profit is to close the achievement gap and provide future career opportunities for these children in the Science, Technology, Engineering, Innovation, & Mathematic (STEIM) fields.

New Haven Register

MILFORD
Scientist receives national STEM award

- **Write a 1-2 sentence <u>summary</u> of the work that the Fellow would be conducting: The fellow will be teaching small groups of New Haven students coding and I-STEM programs. The fellow will also help with the refinement and enhancement of our online interactive science learning portal.**

- Write a more complete description of the specific project you propose and list the duties/outcomes expected of the Fellow.

This project will have 2 parts and several components to it:
June 1 to June 21:
Fellow will receive teacher training. They will observe and assist "Little Scientists" teachers working with small groups of New Students remotely.
Fellow will help refine our online interactive hands-on science simulations as part of the "Little to Great Scientists" Online Learning Portal.
Fellow will help with writing and reviewing grant proposals that will support Great Science For All.

June 22 until August 13:
Fellow will teach science remotely to a small group of New Haven Students. There will be a cohort of 20 New Haven Students. The fellow will teach students in groups of 4 every day from June 22 until August 13. Each science lesson will last 50 minutes. Fellow will have 1 hour of available "office hours" each day – this is a time when fellow will have 1 on 1 tutoring time with students for extra help each day. Fellow will meet with me for 30 minutes each day to discuss the students needs and progress.
The New Haven students will have science experiment packets to enable the Hands-on science experiments; they will also engage in computer coding and science simulations through our portal.
The fellow will follow our model of using science to engage students to want to learn basic educational skills. They will not only teach science but math and literacy to these students as well.
We will evaluate the New Haven students academic, social and emotional development pre and post the program. Our hope is that this intensive intervention will help lift these students educationally and help them on a better path for the future. The fellow will serve as a mentor to these students. I will serve as a mentor to the fellow.

- List specific skills/experience required for this work:
  The fellow must be a person that has compassion for others. This project will help to uplift students of low socioeconomic means, to provide intense intervention that will help to remediate the existing achievement gap.
  The fellow should have an interest in science education; virtual teaching; communication skills; computer coding skills; basic science, engineering, math and literacy skills.

- Equipment/resources you will provide to help Fellow conduct work:
  Access to: science education experts; creative community of innovative science educators, science curriculum and materials, email address, and business phone number.

- 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. I have worked with Yale students in the CodeHaven.