



# COMMUNITY FOUNDATION FOR THE ALLEGHENIES

## Summer 2020 Environmental Health Fellowship Opportunities

### Graduate Level

The Community Foundation for the Alleghenies, in partnership with The Heinz Endowments, announces paid environmental health fellowship opportunities for summer, 2020, with several non-profit organizations located in Western Pennsylvania.

The goal of the Fellowship Program is to bring high quality environmental and public health students to the region; to strengthen the region's public health capacity to address issues impacting environment, health, equity and sustainability outcomes; and to provide highly meaningful experience for students with strong academic backgrounds and in consultation with academic advisement.

#### **RESPONSIBILITIES:**

- Twelve-week program work in a variety of phases of the projects, including project planning, environmental research and analysis, budgets, and citizen outreach, etc.
- Independent research and analysis on environmental health and related issues, such as air and water quality, around petrochemical buildout, unconventional gas drilling, other related issues and consequential impacts of such activities
- Project design, implementation, community workshops, and educational programs
- Possible grant proposals to support project work

#### **QUALIFICATIONS:**

- Self-motivated
  - High attention to detail
  - Excellent written and oral English communication and research skills
  - Able to tackle challenging problems with minimal guidance
  - Graduate level only, but various levels of experience are welcome.
- Completed studies in environmental or public health, environmental science, environmental policy or environmental law, environmental engineering, chemistry, biology, economics, marketing, or nonprofit management are desired, but not mandatory

The following organizations are offering twelve-week paid fellowships. For more information including deadlines, please contact organizations directly:

- FrackTracker Alliance: [www.fracktracker.org](http://www.fracktracker.org)
- Southwest Pennsylvania Environmental Health Project: [www.environmentalhealthproject.org](http://www.environmentalhealthproject.org)
- Breathe Project: <https://breatheproject.org/careers/>
- Fair Shake Environmental Legal Services: [www.fairshake-els.org](http://www.fairshake-els.org)

***Breathe Project Air Quality Fellow***

**Summer 2020**



**Fellowship Placement:** Breathe Collaborative, Energy Innovation Center, Suite 140, 1435 Bedford Avenue Pittsburgh, PA 15219

**Position Description**

The 2020 Air Quality Fellow placed with the Breathe Project will multiply program impacts through the research, analysis and development of research articles, communications, marketing materials, outreach materials and programming to educate the public about outdoor air pollution in Southwestern Pennsylvania.

The Breathe Project is a clearinghouse for information on air quality in Pittsburgh, southwestern Pennsylvania and beyond. We use the best available science and technology to better understand the quality of the air we breathe and provide opportunities for citizens to engage and take action. The Breathe Collaborative is a coalition of 37 organizations of citizens, environmental advocates, public health professionals and academics working to improve air quality, eliminate climate pollution and make our region a healthy, prosperous place to live. The Breathe Collaborative powers the Breathe Project, its community outreach platform.

The Breathe Project Air Quality Fellow is a research-based position that will involve analyzing data from citizen science projects and applications including SmellPGH, Purple Air, and BreatheCam in addition to EPA-based air quality data metrics and sources. Using this analysis, the fellow will develop research articles and outreach, marketing and communications materials to educate the public with up-to-date outdoor air quality information in Southwestern Pennsylvania. The fellow will draft articles and reports, develop infographics, and work with Breathe Project staff to develop outreach and education programming and materials to interact with the public.

The Fellow will interact very closely with Breathe Project partner Create Lab from Carnegie Mellon University that has created a myriad of useful citizen science tools and associated data. This interaction will engage the Fellow in analytical work alongside app and technology developers whose expertise in the creation of meaningful analytics and narratives will enhance the Fellow's experience at crafting useful information for communities in Southwestern PA.

**General Qualifications:**

- Graduate school enrollment
- Strong data analysis skills
- Experience in project design, management and implementation
- Leadership experience

- Ability to work independently within an organization
- Strong written and verbal communication skills

**Projected Goals/Outcomes:**

1. Ongoing daily, weekly and monthly analysis of data from citizen science projects and AQ educational materials (45%)
  - Support expansion of facts from Breathe Project tools and studies
  - Produce Air Quality research articles suitable for peer-reviewed publication
  - Update Breathe Project air quality and health fact sheets and Top-10 lists
  - Create updated statistics for regional air quality (with Clean Air Task Force and public health initiatives)
  - Update data for Breathe Meter
  - Analyze Smell PGH data using updated geolocation information
  - Compile statistics from growing RAMP sensor network in communities
2. Development of reports on selected data analysis projects (20%)
  - Create updated statistics for regional air quality (with Clean Air Task Force and public health initiatives)
  - Analyze Smell PGH data using updated geolocation information
  - Compile statistics from growing RAMP sensor network in communities
3. Development of a suite of outreach materials and resources to deliver in programming and outreach (20%)
  - Support messaging on PM 2.5 report
  - Create updated statistics for regional air quality (with Clean Air Task Force and public health initiatives)
  - Update data for Breathe Meter
  - Analyze Smell PGH data using updated geolocation information
  - Compile statistics from growing sensor networks in communities
4. Social media and communications support (10%)
  - Support information campaigns involving grassroots activities
5. Professional Development (5%)

**To Apply:**

To apply, respond with cover letter and resume to: [breathe@breatheproject.org](mailto:breathe@breatheproject.org)

APPLICATION MATERIALS DUE BY: March 13, 2020

Please direct all inquiries related to this position to Matthew Mehalik, Ph.D., Executive Director, Breathe Project / Collaborative, at the listed email. The Community Foundation for the Alleghenies is an equal opportunity employer.