



*Boston, MA*

*and the loss of typical belowground mechanisms for nutrient acquisition, stress tolerance and pathogen protection. This project will test the hypothesis that urban trees operate by a different rule of life than rural trees, uniquely taking advantage of aboveground atmospheric pollution as a source of nutrients, water, and stress protection.*

Atlanta, GA  
Nic Vega, Levi Morran  
\$1,200,000

*Experimental epidemics and pathogen evolution in heterogeneous populations of hosts*

*Caenorhabditis elegans*

*C. elegans*

*Washington, DC*

*Sandy Kawano*

*\$1,400,000*

*Integrating 3D technology, engineering, and biology to provide new insights into the evolutionary transition from water to land in vertebrates*

*Evanston, IL*

*Mahdi Hosseini, Yanbei Chen, Selim Shahriar*

*\$1,300,000*



*Houston, TX*

*Shengxi Huang, Alexey Belyanin, Anna-Karin Gustavsson, Junichiro Kono, Yuji Zhao*  
*\$1,200,000*

*Superradiant Super-Resolution Imaging*

