

## DEVELOPING THE MICROSCOPES OF TOMORROW

**Laureate Address featuring Margaret Murnane,  
recipient of the 2021 Benjamin Franklin Medal in Physics**



*Dr. Margaret Murnane and  
Dr. Henry Kapteyn will be  
presented with the 2021 Benjamin  
Franklin Medal in Physics for their  
pioneering innovations that have  
made high-intensity, coherent,  
tabletop x-ray sources practical for  
the study of a broad range of  
ultrafast processes.*

**The Franklin Institute Awards  
Virtual Ceremony  
Thursday, April 29, 2021  
For details, visit  
[www.fi.edu/awards](http://www.fi.edu/awards)**

**DATE:** MONDAY, APRIL 26, 2021

**TIME:** 4:00–5:00 PM

**SPEAKER:** Margaret M. Murnane, Ph.D.  
*Distinguished Professor of Physics and ECEE  
Director, National Science Foundation STROBE  
Science and Technology Center  
University of Colorado at Boulder  
Boulder, Colorado*

**ATTEND:** [www.fi.edu/microscopes-of-tomorrow](http://www.fi.edu/microscopes-of-tomorrow)

**CONTACT:** Beth Scheraga, [bscheraga@fi.edu](mailto:bscheraga@fi.edu)

The Kapteyn-Murnane Group at the University of Colorado at Boulder are leaders in the thriving field of coherent ultra-fast x-ray laser light sources. Their groundbreaking research, published in more than 250 research papers, has impacted virtually every area of science, from biology to astronomy—lighting the way for numerous applications such as high-resolution imaging of objects as small as viruses, making and breaking chemical bonds, lensless imaging, and energy-efficient electronics. They have even succeeded in shrinking down high-intensity x-ray lasers so they can now fit on tabletops, making them more accessible and more affordable for a wider breadth of labs across the globe.