

# NGSS Workshop for 4<sup>th</sup>-8<sup>th</sup> Grade Teachers

## Investigating Materials with Light

Come to this NGSS-aligned workshop to build expertise in 3D classroom instruction and make connections to real-world science applications. Using classroom activities and the newly released Microscopes of Tomorrow app, we will connect NGSS concepts and practices to the work of imaging scientists in the STROBE research center.

Scientists and engineers in the STROBE Science Imaging Center are developing the microscopes of tomorrow—cutting-edge imaging technologies to address grand challenges across STEM disciplines.

**WHEN: Saturday June 1st or Thursday July 11th , 9 am - 3:30 pm**

**WHERE: The Lawrence Hall of Science**



### Seminar participants will receive:

- Breakfast & lunch at the workshop
- Printed copies of handouts & activities
- Materials to conduct activities in your classroom
- \$150 stipend

### The workshop will include:

- Key concepts: Electromagnetic radiation & wave properties of light.
- Innovative nanoscale microscopy techniques and applications
- Focal cross-cutting concept: Scale, Proportion, and Quantity
- Deep dive into the science practice of Planning and Carrying Out Investigations
- Networking with 4-8th grade teachers to apply these ideas to NGSS implementation



Register by going to this link: <http://bit.ly/LHS-STROBE>

Preregistration is required as space is limited. Applications due by May 22, 2019.

Questions? Contact Lynn Barakos at [lbarakos@berkeley.edu](mailto:lbarakos@berkeley.edu).



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