

## From the Editor

# 2018 *Microscopy Today* Innovation Awards



Congratulations to the winners of the ninth annual *Microscopy Today* Innovation Awards competition. These awards honor innovative microscopy-related products and methods that appeared in the previous year.

Our team of judges, led by Tom Kelly, looked for innovations that will make new scientific investigations possible. The ten winning innovations were selected on the basis of their importance and usefulness to the microscopy community. The entries most likely to win are those that provide better, faster, or entirely new methods of analysis using some type of microscope or microanalytical instrument.

The 2018 *Microscopy Today* Innovation Award winners are:

**École Polytechnique Fédérale de Lausanne** for single-shot three-dimensional electron imaging

**Deutsches Elektronen-Synchrotron (DESY)** for high-NA, high-efficiency hard X-ray lenses  
**HREM Research, Inc.** for a method of phase retrieval from the differential phase contrast signal

**Integrated Dynamic Electron Solutions, Inc.** for Relativity® multiplexed TEM video imaging  
**US Naval Research Lab and Vanderbilt University** for engineered materials for hyper-lensing  
**Neurescence, Inc.** for the Quartet® miniature microscope that can follow activity in four neurons simultaneously

**National Institute of Biomedical Imaging and Bioengineering** for reflective imaging that improves spatiotemporal resolution and collection efficiency in light sheet microscopy

**University of California Davis Health** for MUSE microscopy enabling slide-free histology  
**University of Illinois at Urbana-Champaign** for gradient light interference microscopy (GLIM)

**Voxa Company** for Mochii S, a portable SEM-EDS small enough to be carry-on luggage

Descriptions of the above innovations are given in an article within this issue. Nomination applications for the next competition are available upon request (charles.lyman@lehigh.edu). The deadline for application submission is March 21, 2019.

Charles Lyman  
Editor-in-Chief

**Publication Objective:** to provide information of interest to microscopists.

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