



# LOOK AGAIN... LOOK AGAIN...

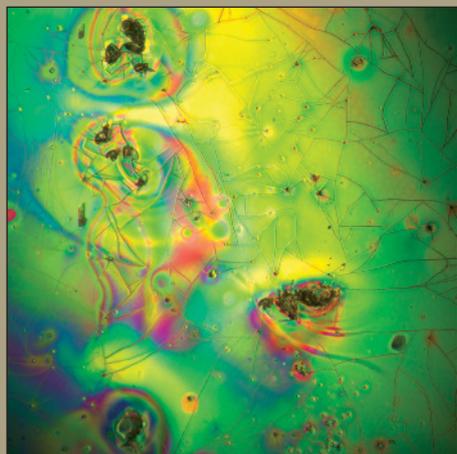
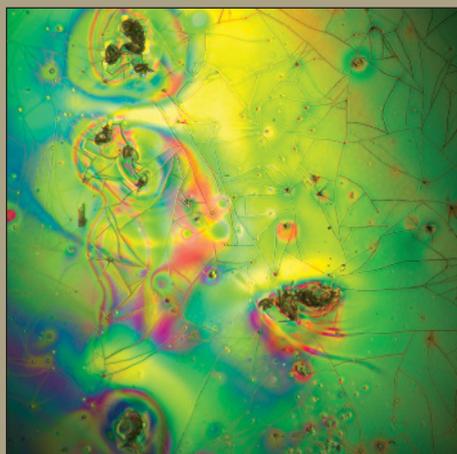
*Just for Fun!*

See if you can find the 8 differences in each set of images.

## Photonic crystal

This is a reflected image of a localized defect in a one-dimensional photonic crystal. The inclusion of a dust particle causes uneven layer thicknesses. These uneven layers reflect an array of vibrant colors. This image was not altered with Photoshop. It was taken using a modified optical microscope, coupled with a CCD camera.

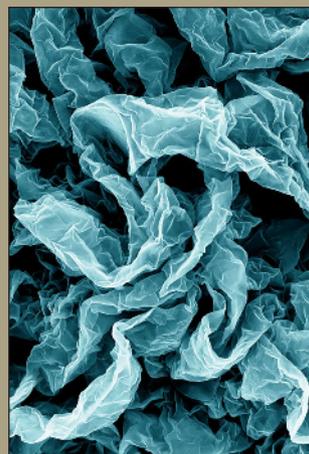
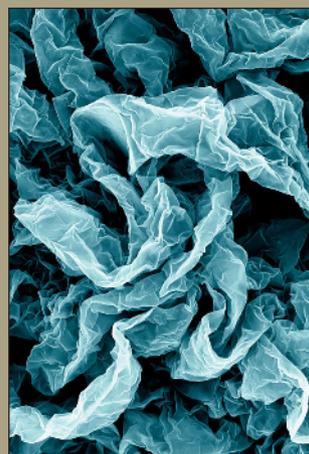
Wendy J. Nimens, The University of Utah, USA.



## Multigenerational wrinkles

Mechanical deformation results in sequence-dependent surface topographies with structural memory.

Po-Yen Chen, Brown University, USA.



### April 2017 answer key



Answers will be published in the August 2017 issue.

Images on the top were submitted to the Materials Research Society "Science as Art" competition. Images on the bottom were modified in Adobe Photoshop for this "Look Again" activity.