



LOOK AGAIN...

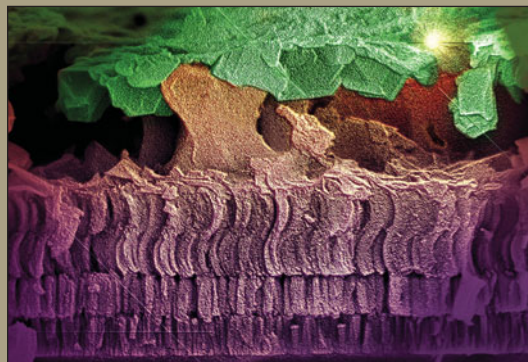
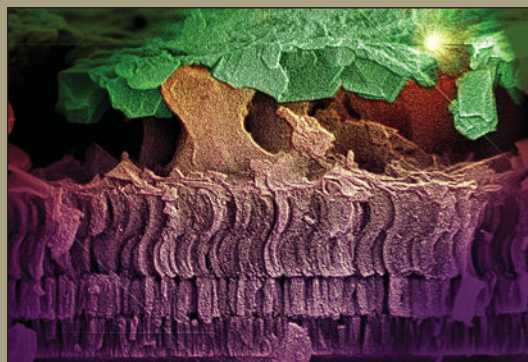
Just for Fun!

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

SEM cross section

Scanning electron microscope cross section of a columnar $\text{Cu}_2\text{ZnSnS}_4$ film on Mo. The sample was annealed using an unconventional technique, which resulted in local phase separation and partial film delamination.

Talia Gershon, IBM TJ Watson Research Center, New York, USA
Harvey J. Spector, Shasta Community College, Redding, Calif., USA



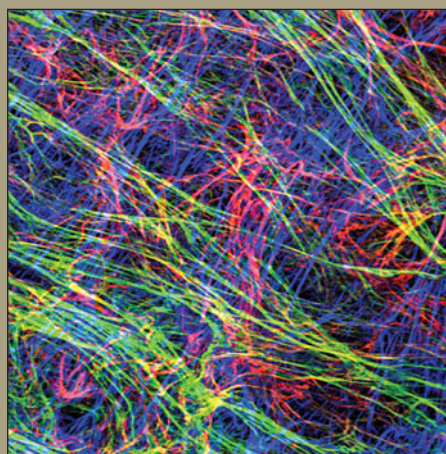
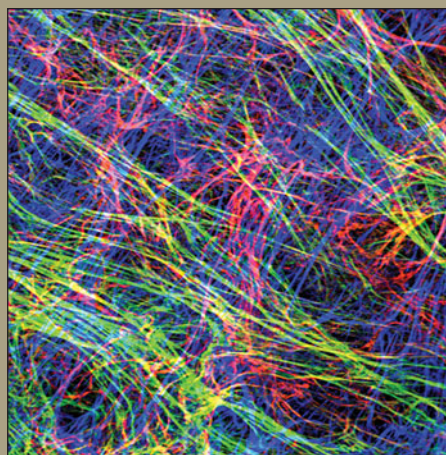
October 2015 answer key



ECM, the natural nanomaterial

The extracellular matrix is the microenvironmental material of a tissue that is produced by local cells. Typically it is composed of protein polymers enriched with sugary branches (shown here are fibronectin fibers). It is also known for sequestering or storing and then liberating or activating molecules such as growth factors and matrix proteases, thus directly affecting cellular behavior. The confocal acquired image indicates a six-day chronological matrix deposition represented by different colors (each raw material color was supplemented every other day).

Edna Cukierman, Fox Chase Cancer Center, Philadelphia, USA



The answers will be in the April 2016 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.