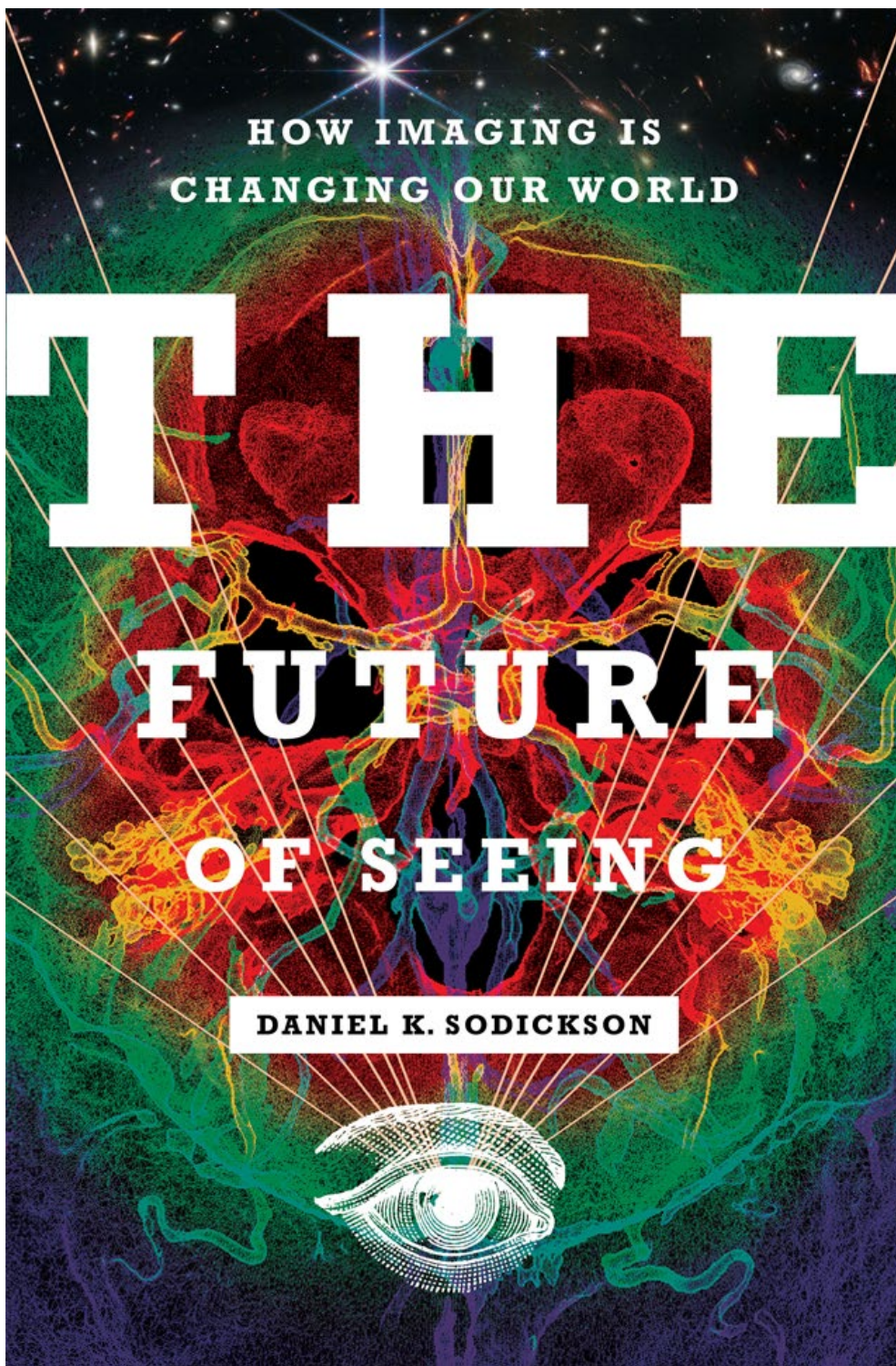


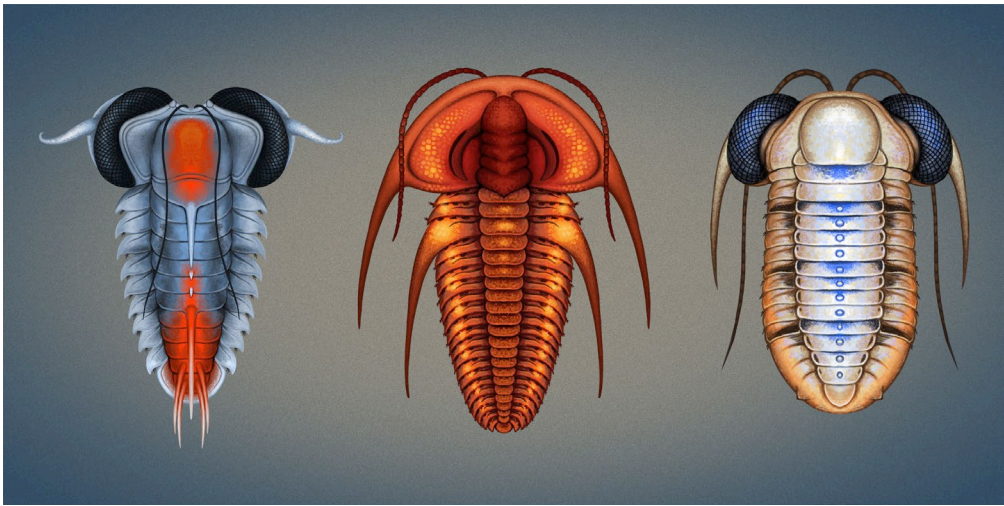
Smithsonian Associates Evening Lecture/Seminar



January 6, 2026

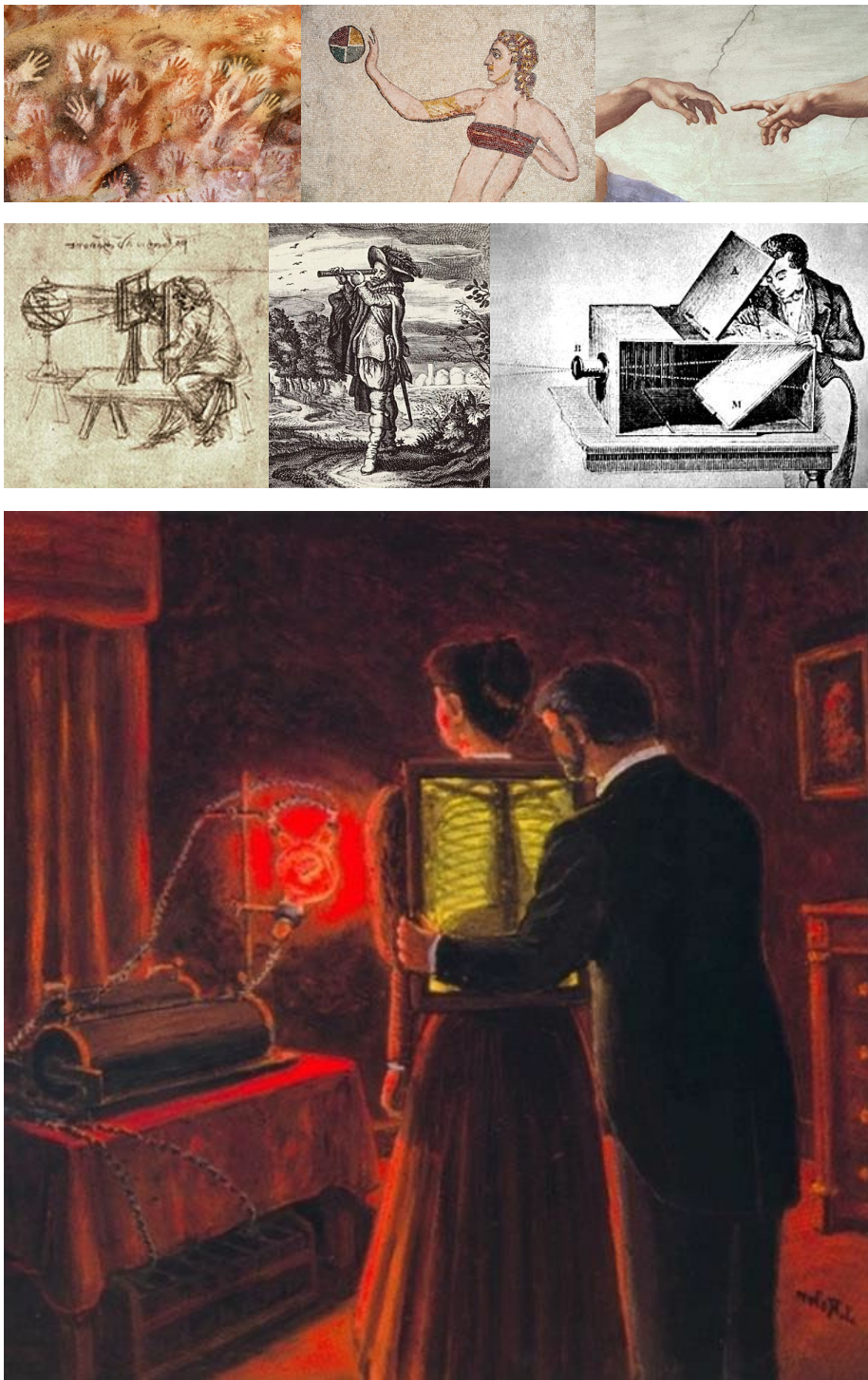
Columbia University Press  
<https://politics-prose.com/book/9780231209922>





**PLATE 1:** The nature of seeing. (*Top*) Meet the trilobites, pioneers of vision. (*Bottom*) The startling diversity of animal eyes.

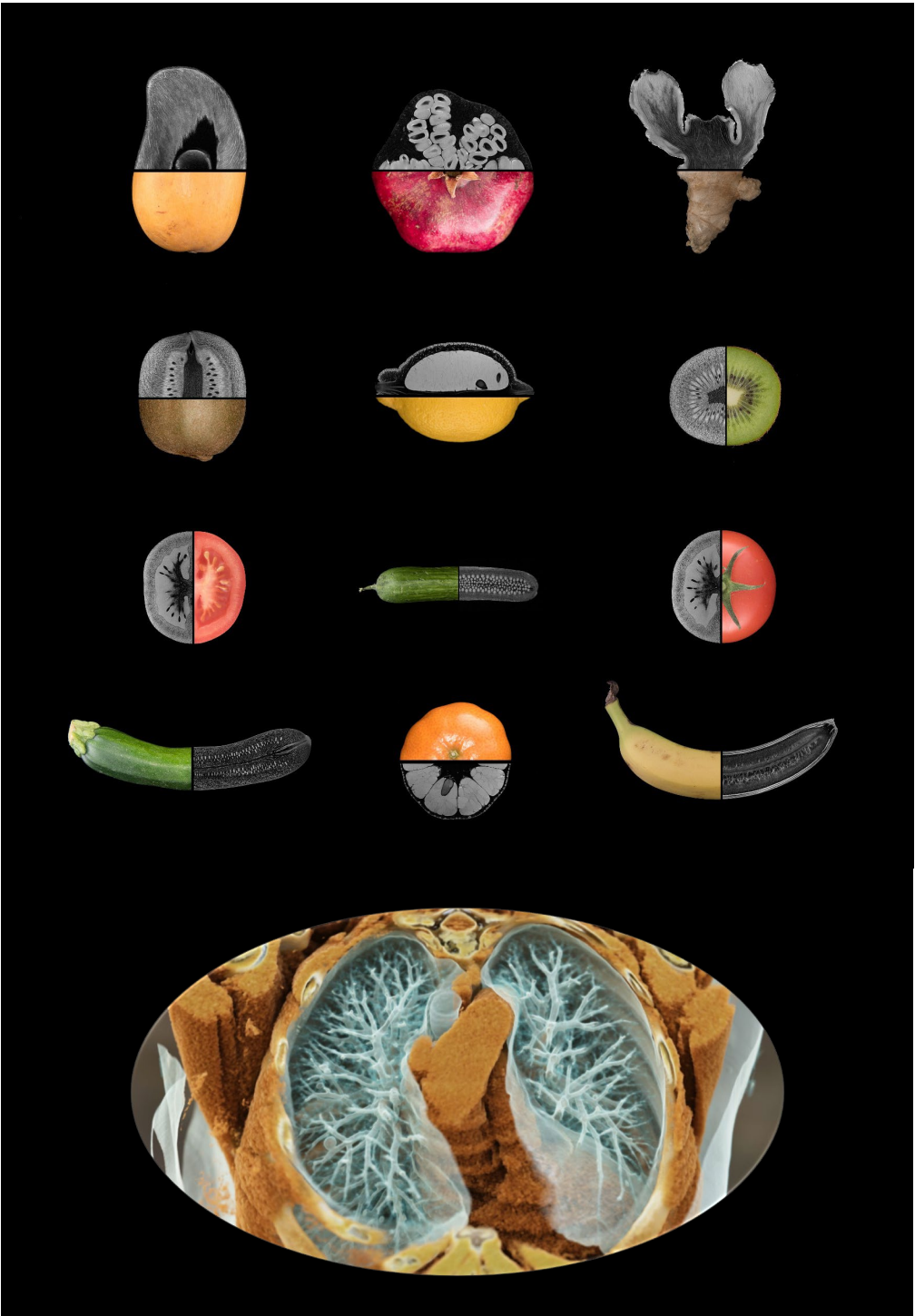
*Sources:* (*Top*) Courtesy of Franz Anthony (<https://franzanth.com/>); (*bottom*) Wanderlust2003, CC BY-SA 4.0, via Wikimedia Commons.



**PLATE 2:** Augmenting nature and seeing it through. (*Top*) Handmade images. (*Middle*) Imaging with machines. (*Bottom*) Early x-ray imaging.

Sources: (*Top left*) Pablo A. Gimenez, CC BY-SA 2.0, via Wikimedia Commons; (*top center*) Marco Ossino/Shutterstock; (*top right, middle*) public domain via Wikimedia Commons; (*bottom*) 1985 painting by D. Jacques Rohr showing an x-ray fluoroscopic examination of a woman in 1896, courtesy of Centre Antoine Bécélère, Paris.





**PLATE 3:** Slicing without cutting. (*Top*) MRI still life. Slices of assorted fruits and vegetables spliced with color photographs. (*Bottom*) The body in living color. A cinematic rendering of lung anatomy from CT slices.

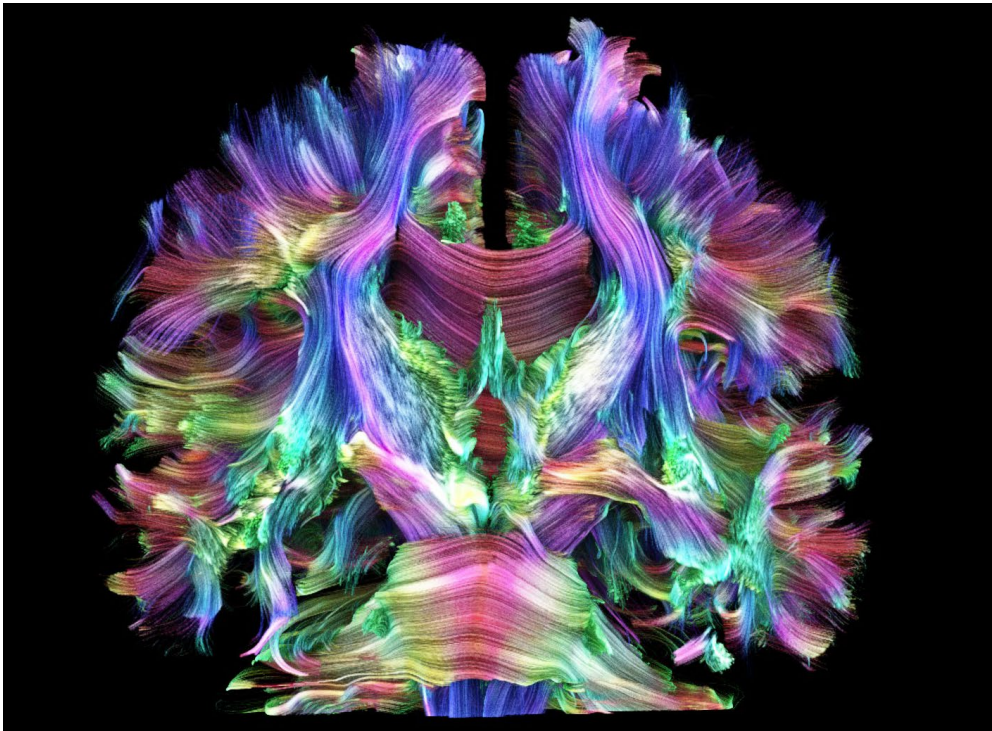
*Sources:* (*Top*) Courtesy of Pippa Storey and Pawel Slabiak; (*bottom*) courtesy of Siemens Medical Solutions USA, Inc. The CT data used to create these images were acquired at the Portuguese Institute of Oncology, Lisbon.



**PLATE 4:** The many faces of tomography. (*Top*) Progressive improvements in prenatal ultrasound. (*Middle left*) MRI, PET, and fused MRI and PET images of the body. (*Middle right*) Tracking blood flow in the heart using MRI. (*Bottom*) Imaging advances featured on the cover of *Science* magazine in the early 1990s.

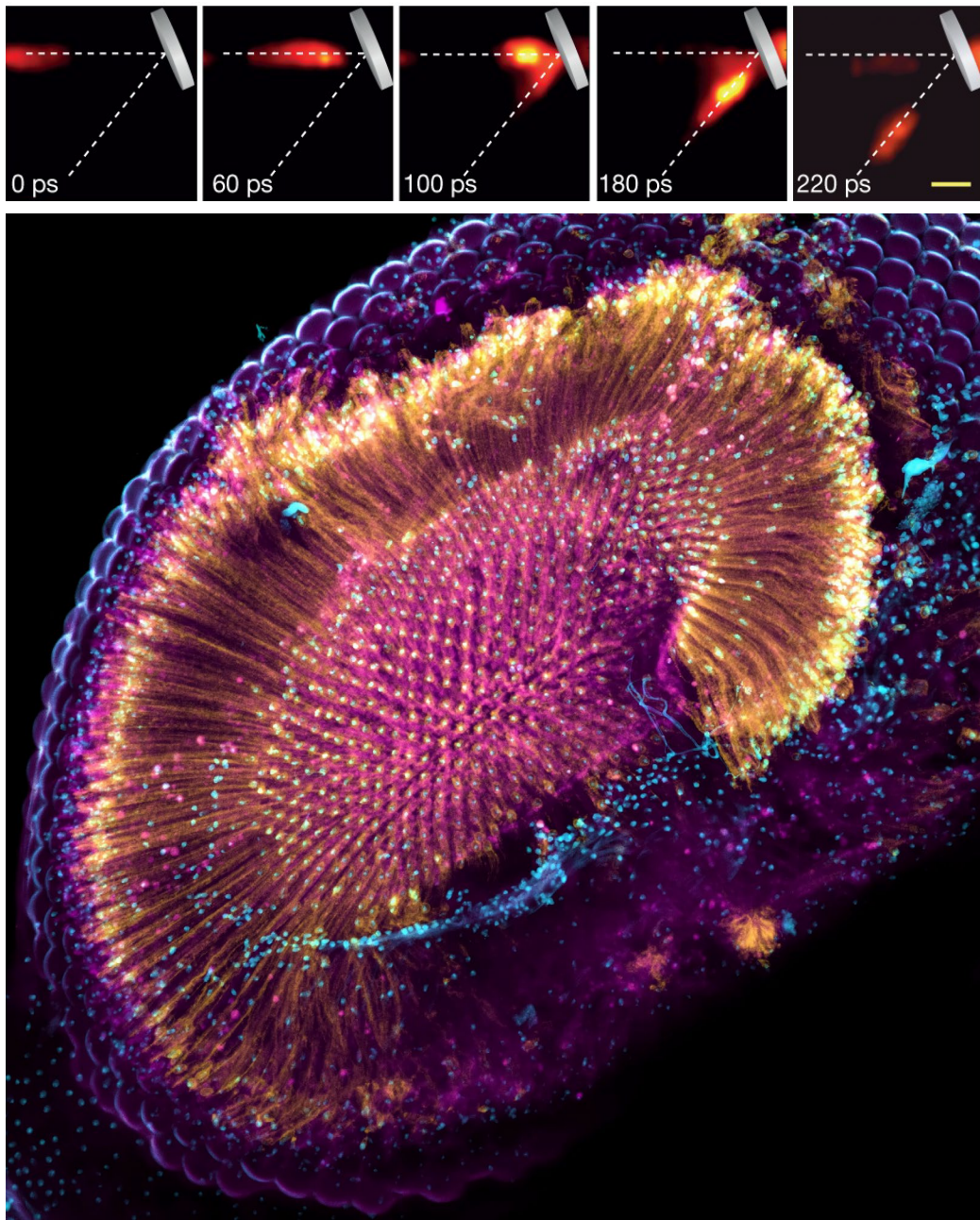
*Sources:* (*Top*) Public domain; (middle left) Department of Radiology, NYU Grossman School of Medicine; (*middle right*) courtesy of Rizwan Ahmad (<https://u.osu.edu/ahmad/research/>); (*bottom*) reprinted with permission from the American Association for the Advancement of Science; (*bottom left*) *Science* 250, no. 4977 (1990), visualization by Geoffrey Sobering, National Institutes of Health; (*bottom right*) *Science* 254, no. 5032 (1991), courtesy of the Massachusetts General Hospital-NMR Center.





**PLATE 5:** What's in an image? Outer space and inner space. (*Top*) Harmony of the spheres. A composite image of the Crab Nebula in multiple frequencies. (*Bottom*) Symmetry of the mind. Tracing nerve fiber bundles in the brain using diffusion MRI.

*Sources:* (*Top*) Public domain via NASA (<https://svs.gsfc.nasa.gov/30944>). (*Bottom*) Courtesy of Dorin Comaniciu; data from the NYU Grossman School of Medicine; 3-D rendering by Siemens Healthineers.



**PLATE 6:** “I have seized the light. I have arrested its flight.” (*Top*) Compressed ultrafast photography depicting light bouncing off a mirror at 100 billion frames per second, delivering in the twenty-first century on Daguerre’s exuberant nineteenth-century proclamation. (*Bottom*) A light microscope image of a fruit fly retina with its photoreceptors highlighted in yellow.

*Sources:* (*Top*) Reproduced with permission from L. Gao et al., “Single-Shot Compressed Ultrafast Photography at One Hundred Billion Frames per Second,” *Nature* 516 (2014): 74–77, figure 3a. © Springer Nature; (*bottom*) Guillaume Thuery, CC BY-SA 4.0, via Wikimedia Commons.



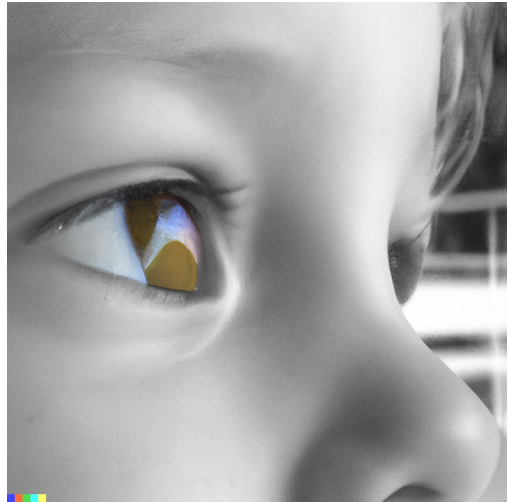


**PLATE 7:** Farther, smaller, clearer: imaging marches on. (*Top*) The Pillars of Creation as viewed by the Hubble (*left*) and Webb (*right*) space telescopes. (*Bottom*) A composite image of a SARS-CoV-2 virus, combining information from electron microscopy, cryoelectron microscopy, x-ray crystallography, and magnetic resonance.

*Sources:* (*Top*) NASA, ESA, CSA, STScI, Hubble Heritage Project (STScI, AURA); (*bottom*) © 2020 Veronica Falconieri Hays.



## The Future of Seeing



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**PLATE 8:** The future of seeing. (*Top*) Bat eyes and ears. (*Bottom*) What does DALL-E see? The output of OpenAI's image-generating system following the prompts "A woman holding a miniature MRI machine in her hand" (*left*) and "The future of seeing" (*right*).

Sources: (*Top*) aaron007/iStock.com; (bottom) images generated by the author using DALL-E 2 (OpenAI).