## THE ULTIMATE OPTICAL

Cohen started his journey after codiscovering that when neurons fire, they undergo changes in light scattering and other optical properties. Perhaps a camera could record such changes, and use them as a proxy for electrical activity? The idea was "pretty far out," says Cohen's MBL colleague George Augustine. But it was evidently fertile, as functional neuroimaging is now a huge endeavor, at the MBL and around the world.

Light," says David Gadsby of Rockefeller University. "He pioneered the study of brain activity using electro-optical measures."