Behavior of EB1-GFP in A6 cells

elapsed time: 7'41''
86 frames
Myosin II

Myosin VIIa
Myosin II

Myosin VIIa
Curiosity Creates Cures
The Value and Impact of Basic Research

How do cells talk to each other?
What controls gene activity?
How do proteins shape themselves so they can work properly?
Why should we care?
That last question is one of the most important of all.

Understanding how life works may not have an immediate impact on our health. But over time, this sort of study—called basic research—paves the way for a wealth of medical advances. By uncovering the cellular or molecular changes

**BASIC RESEARCH PAYS OFF**
The goal of basic research is broad — to learn the biological rules of life. The applications of basic research are similarly wide-ranging, including:
- New and improved medicines,
- Diagnostic tests,
- Body-imaging technology, and
- Better organ donor matching.

“The pursuit of curiosity about the basic facts of nature has proven… to be the route by which the successful drugs and devices of modern