

ALTERNATIVES FOR GENERAL ACCESS TO HIGH-END EQUIPMENT

- **THE PROBLEM:** The cost to purchase and maintain high-end equipment is getting greater and greater, and as a result fewer and fewer individual PIs can have access at their own institution.
- **THE QUESTION:** Are there financially sustainable models to meet the needs of PIs at institutions that cannot provide access to such equipment?
- **SOME ALTERNATIVE SOLUTIONS:**
 - **HMI-like (Janelia Farm) model.** Fedex samples to an NIH/NSF-funded, central facility.
 - Monitor data acquisition from an emulator at your home institution.
 - Staffed to operate 24/7 when demand rises to that level
 - **New generation, entry-level (affordable) microscope “model”.**
 - Single voltage; top mag. = 50,000; simple cryo-holder
 - No energy filter
 - High-end silicon-pixel camera
 - Phase plate may be an option