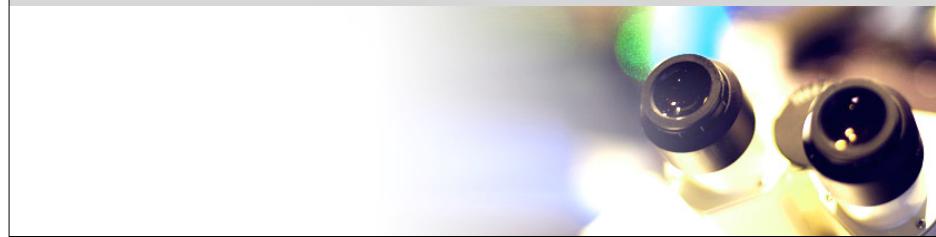


# $\mu$ Manager: Open Source Software for Microscope Image Acquisition

Nico Stuurman, Nenad Amodaj, Arthur Edelstein, Karl Hoover  
and Ron Vale. Dept. of Cellular and Molecular Pharmacology,  
UCSF/HHMI - San Francisco



## Why micro-manager.org?

Started summer 2005 at Vale Lab, UCSF

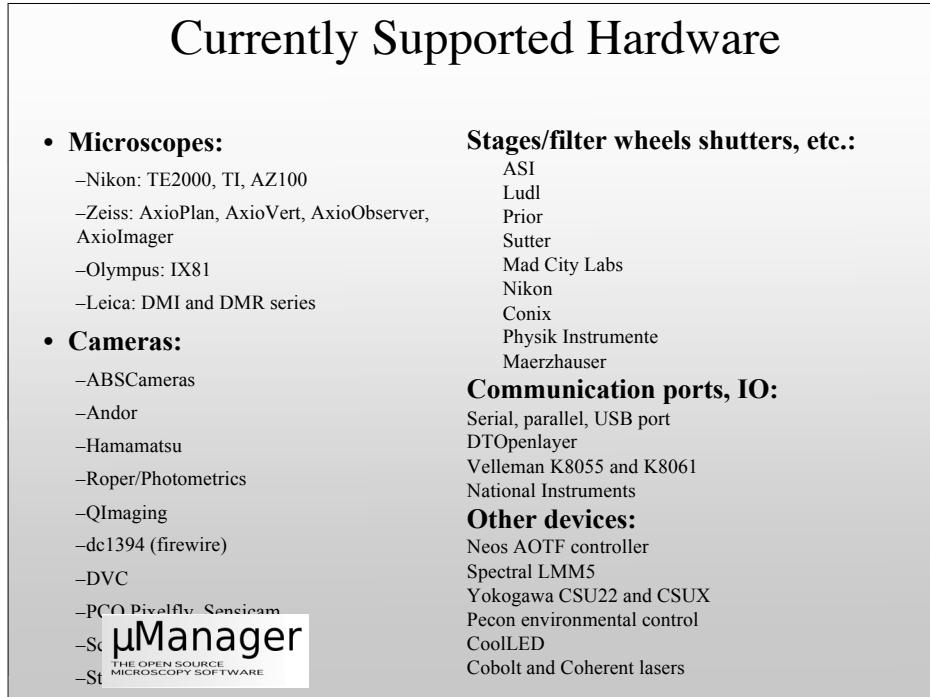
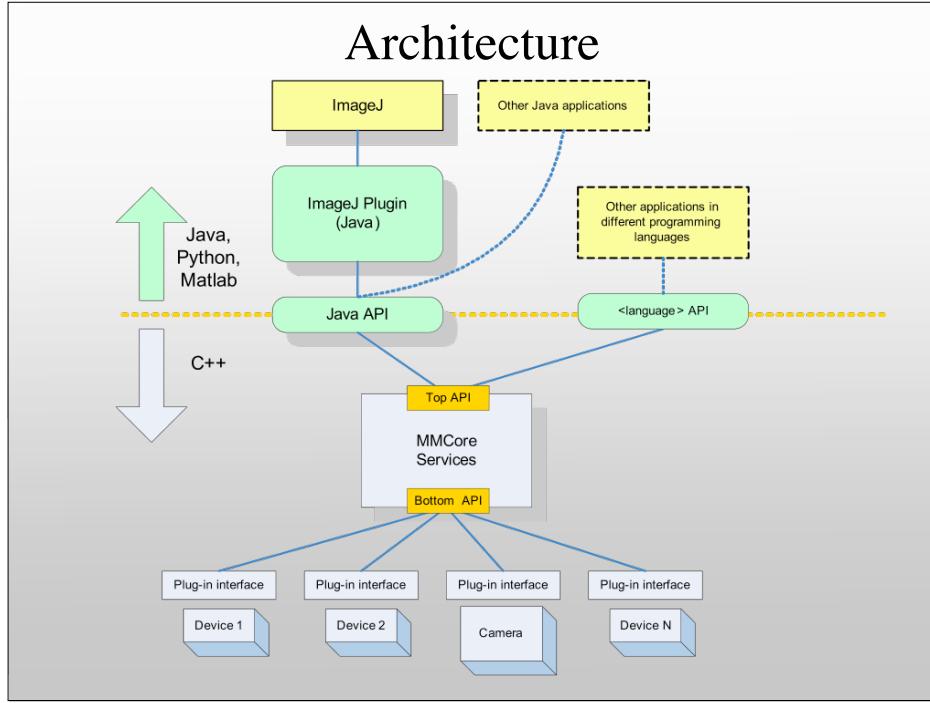
- Single Interface for all microscopes
- Standard and open plug-in interface
- Choice in hardware
- (Real) extensibility
- Quality
- Cost

## **μManager features**

- Simple user interface to important imaging strategies: Snap Image, Time-lapse, z-series, multi-channel, multi-positions
- Controls many microscope hardware components
- Hardware support can be added by anyone
- Integrated with ImageJ
- Cross-platform (Windows, Mac, Linux)

## **μManager features(2)**

- Open Source
- Modular architecture: Extensible by third parties: at hardware support level and User Interface
- Powerful scripting interface
- Programmatic interfaces to 3rd-party analysis environments such as Matlab enabling analysis driven acquisition
- Free!



## Support and Statistics

Website: <http://micro-manager.org>

Wiki: <http://valelab.ucsf.edu/~nico/MMwiki>

Source code:

<https://valelab.ucsf.edu/svn/micromanager2/branches/micromanager1.3>

Mailing list: <https://lists.sourceforge.net/lists/listinfo/micro-manager-general>

Support/Help: [info@micro-manager.org](mailto:info@micro-manager.org)

>3000 registered users ([~150 new users each month](#))

[300 subscribers to the mailing list](#)

[Booth at ASCB meeting](#)



## Documentation

### Website:

- Users's guide
- Configuration guide
- Programming guide
- API reference

### Wiki:

- Scripting interface
- Example scripts
- Programming tips
- Device configuration
- FAQ

# Thanks!

## Beta-testers:

Andrew Carter  
Eric Griffis  
Gohta Goshima  
Vale and Mullins lab

The Name:  
Nick Endres  
Eric Griffis

Kurt Thorn

## Support:

Sandler Foundation