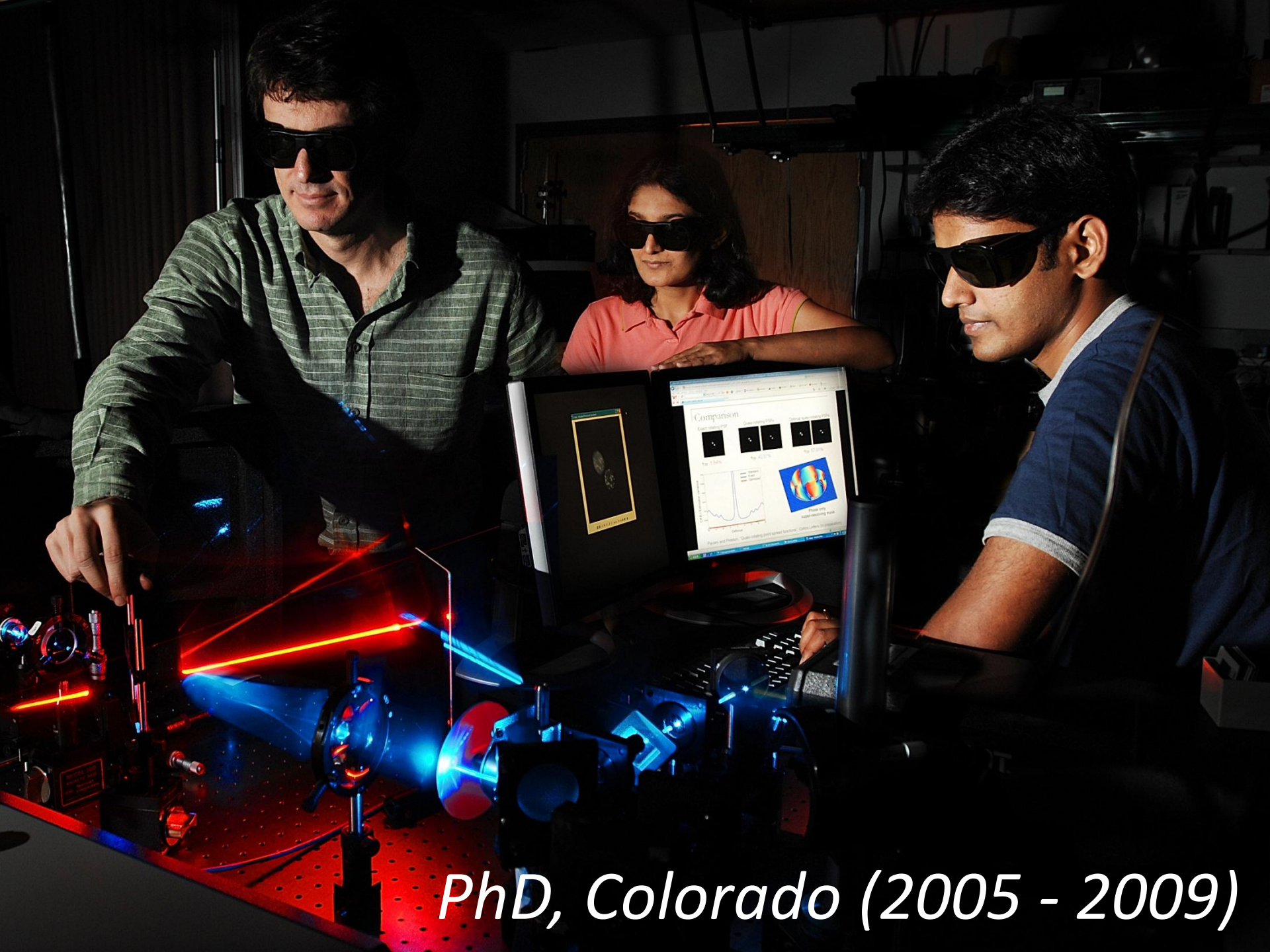


A *COSI* Career

Prasanna Pavani

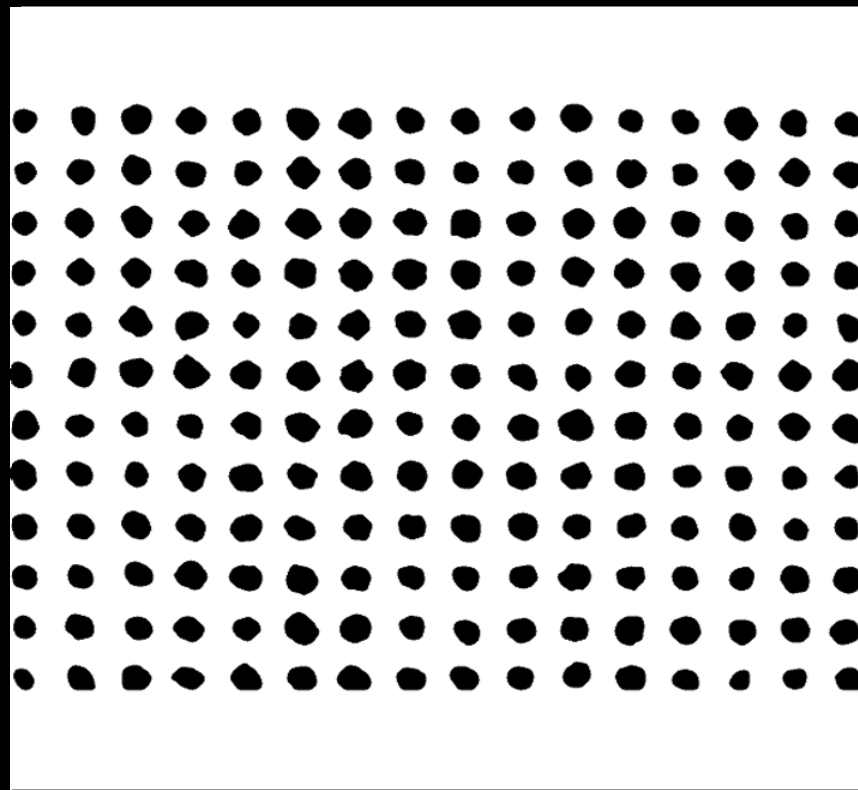


PhD, Colorado (2005 - 2009)

Transparent Object

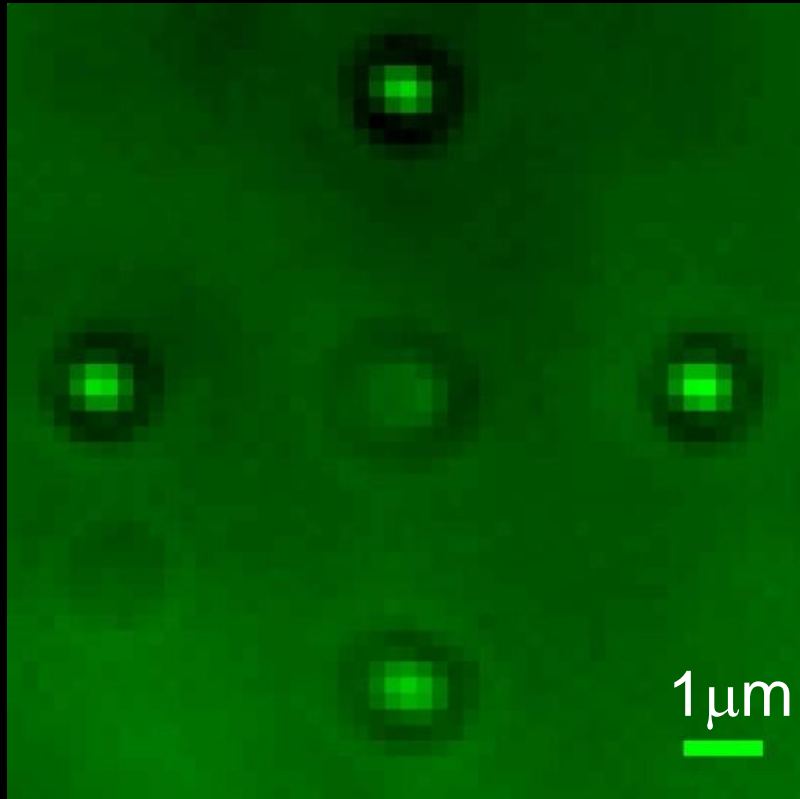


Structured Illumination

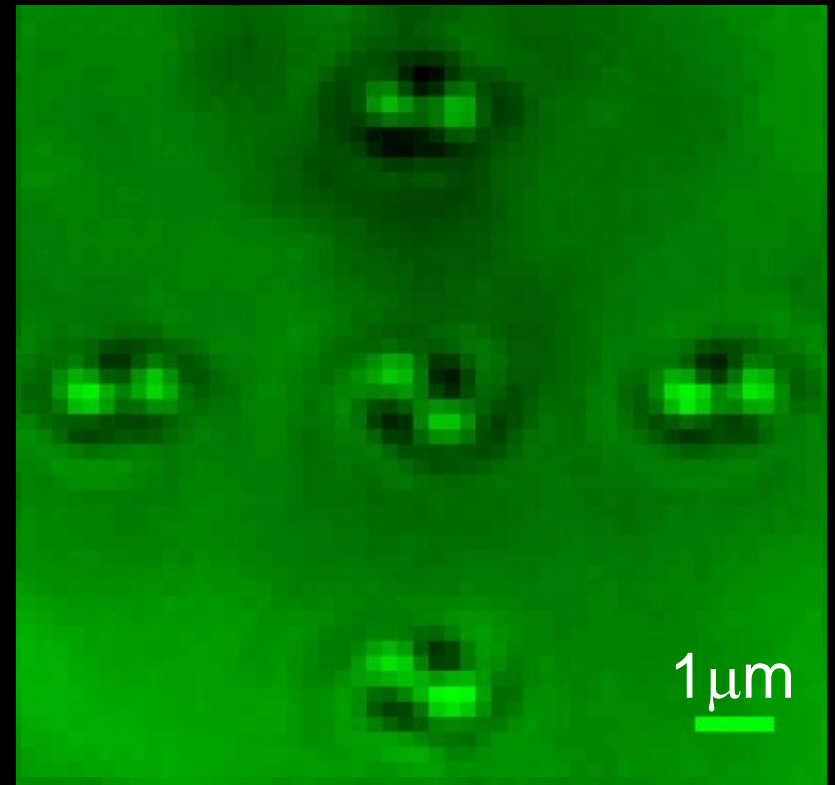


Imaged phase objects!

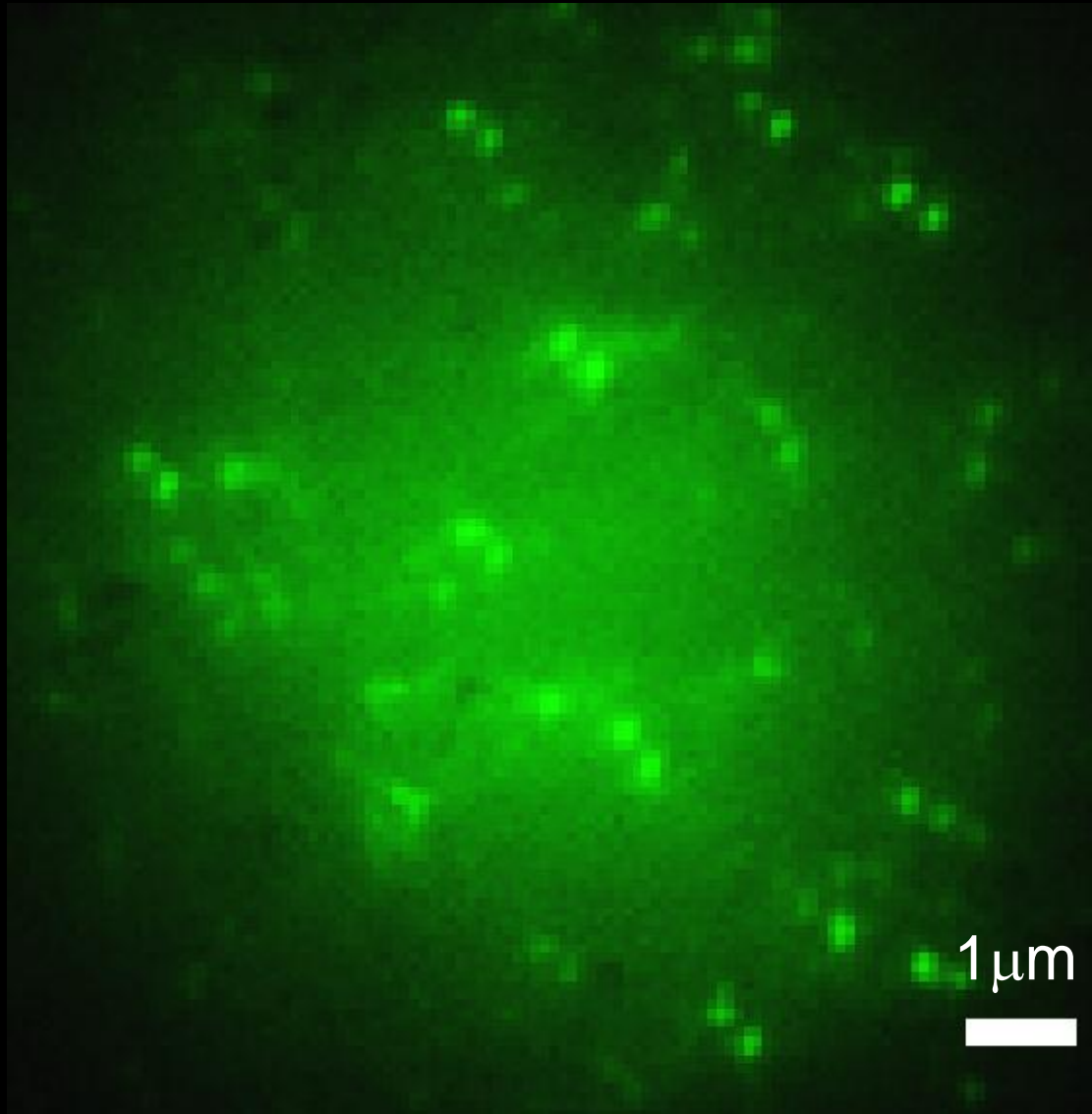
Standard PSF



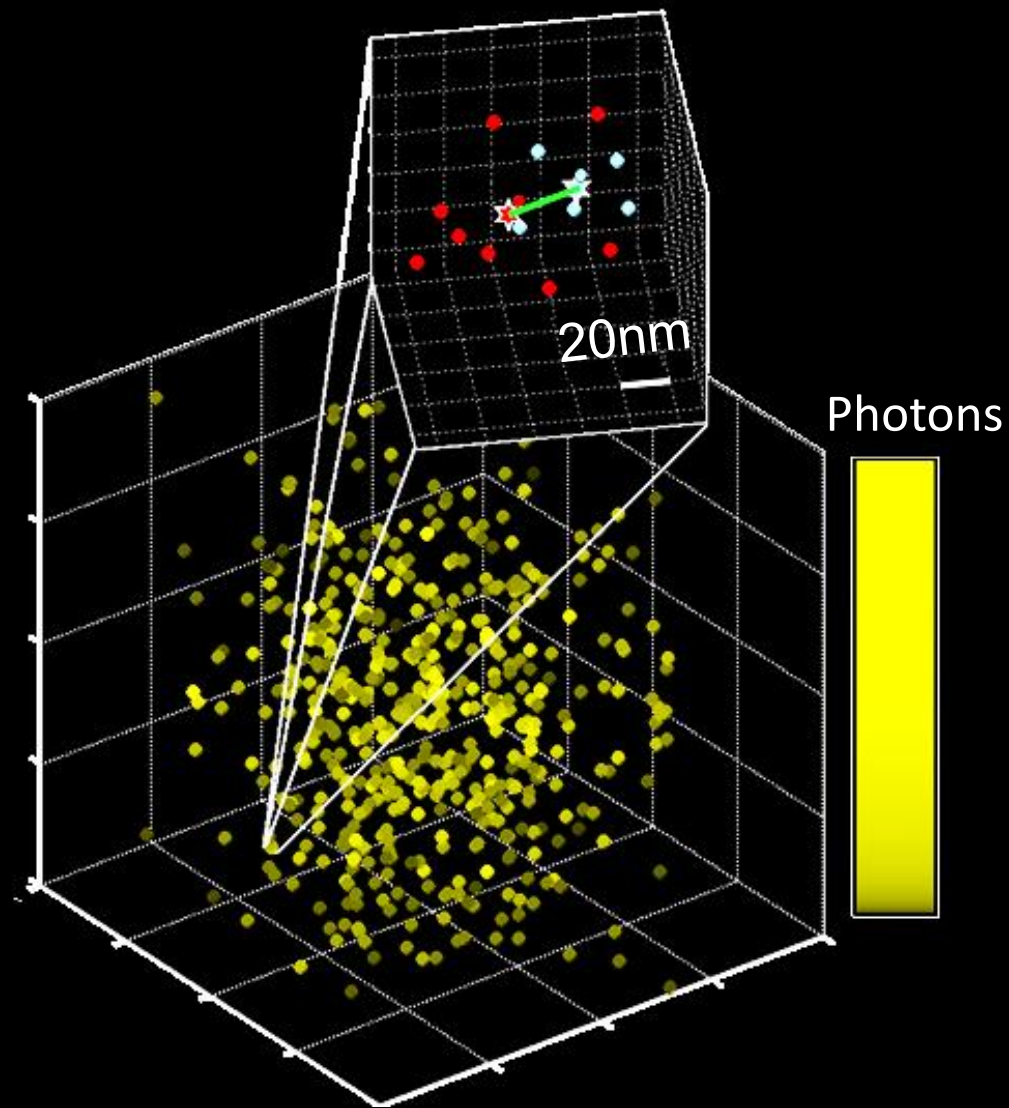
Double-helix PSF



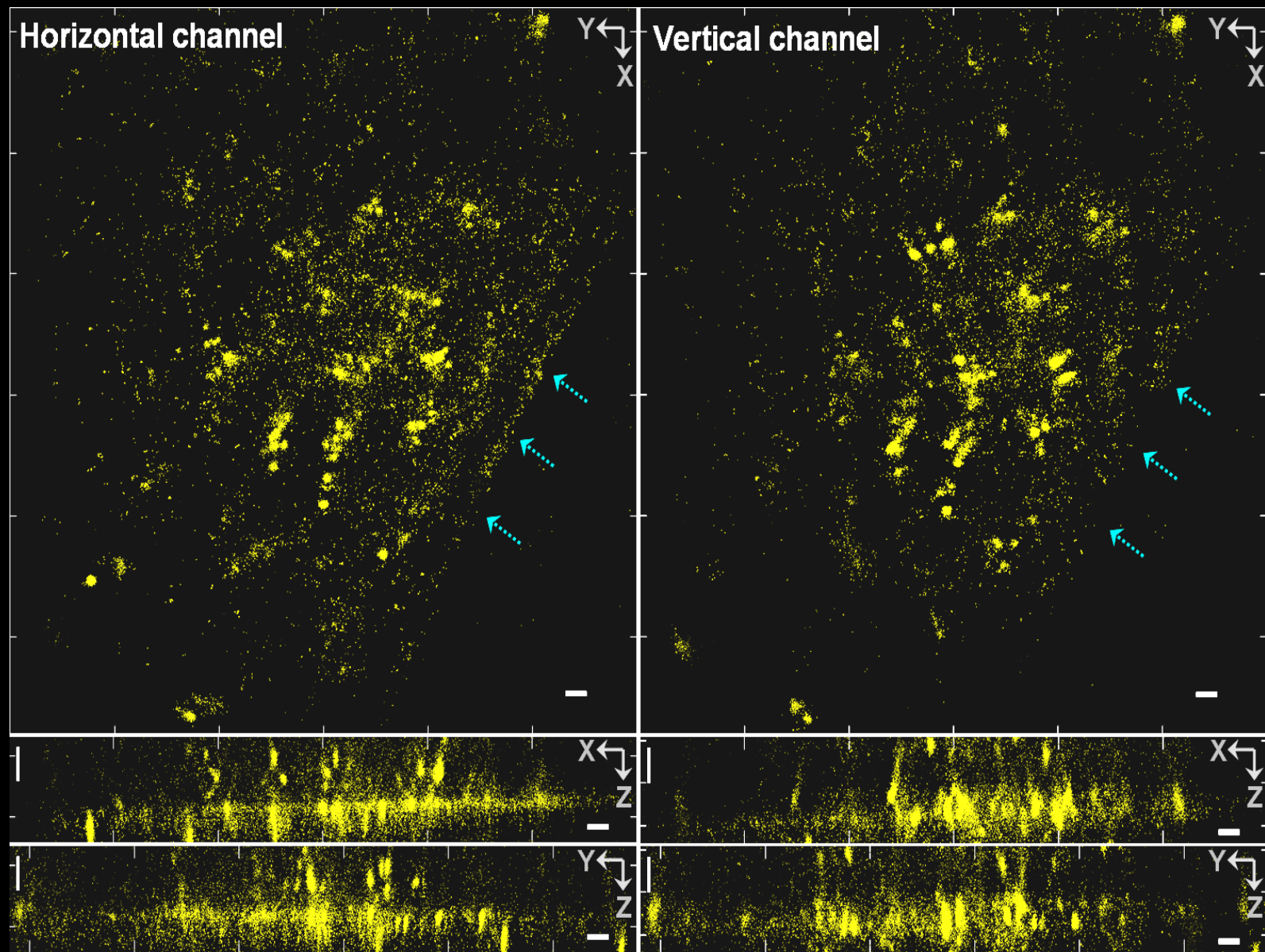
3D Nano-localization!



Detected single molecules!



Broke 3D diffraction limit!



Super-resolved biological cells!

7/24/2009
Ph.D. Defense



PhD defense day

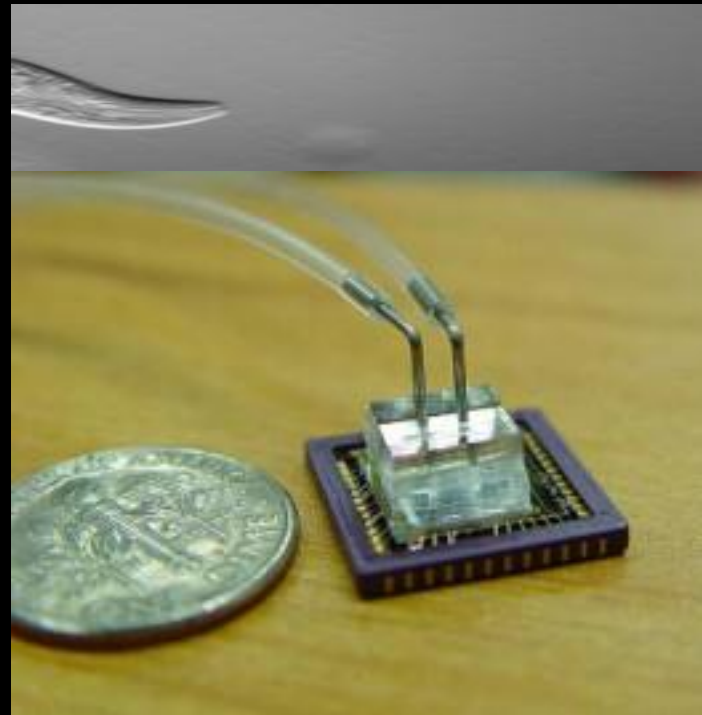
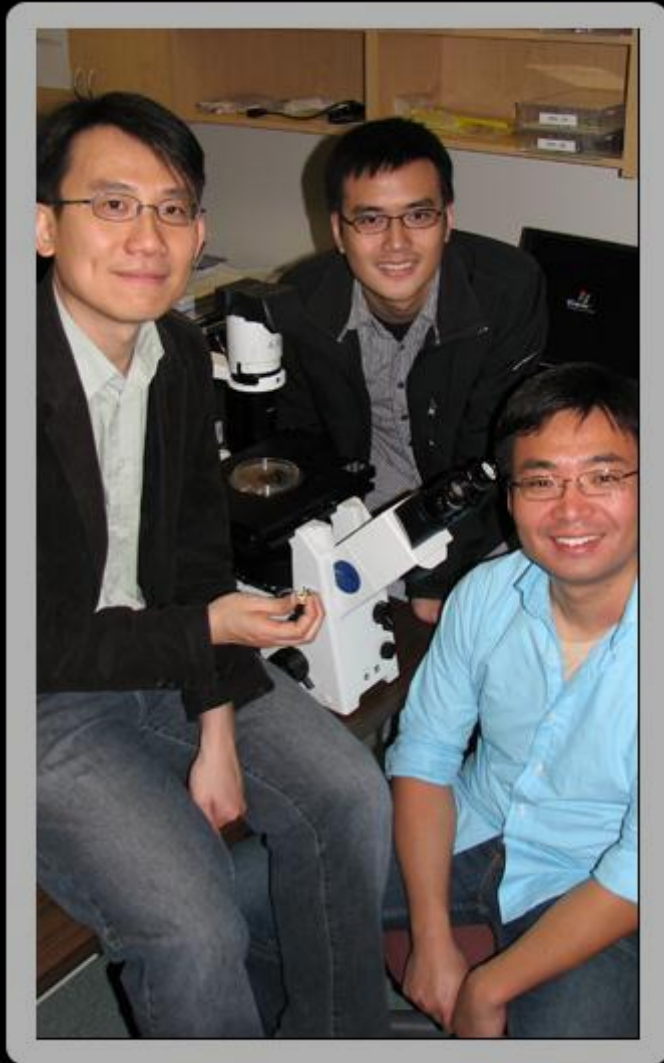
PhD isn't just about *THESIS*

- Courses
- Conferences
- Collaborations
- Internships
- Seminars
- Networking

What after PhD?

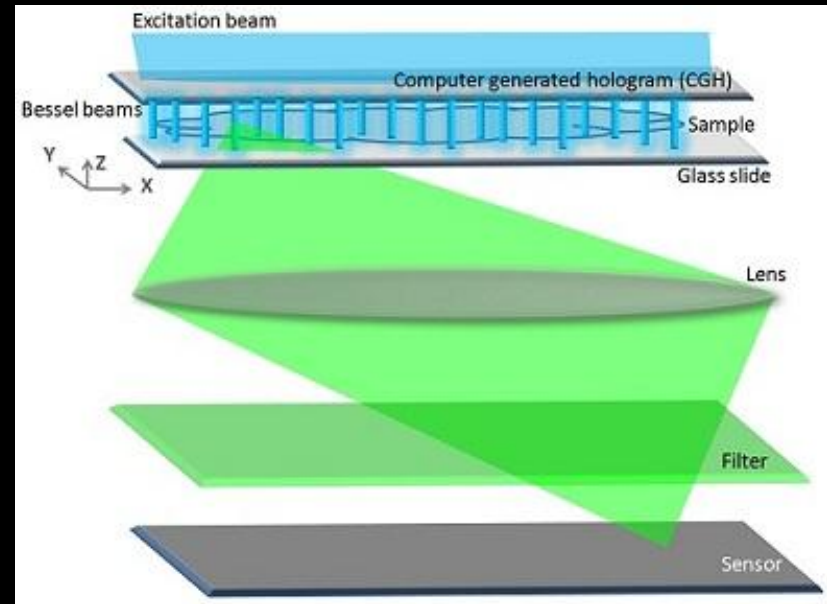
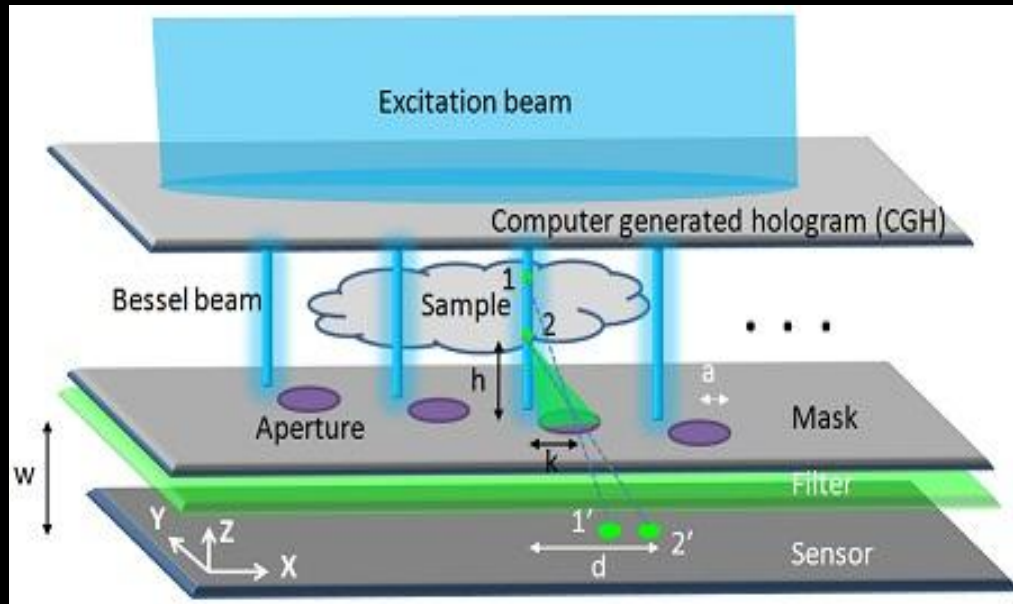


Caltech



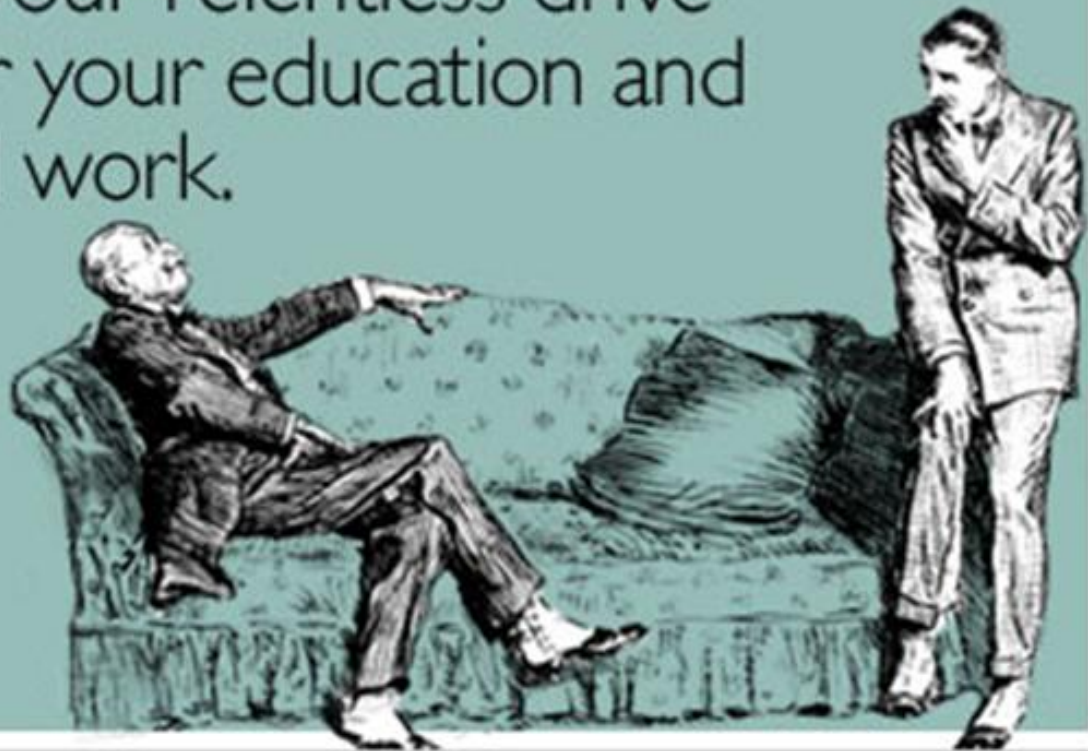
Optofluidic microscope

Postdoc, Caltech



Portable 3D, WF, EDOF, HR microscopes

I admire your relentless drive
to further your education and
avoid real work.



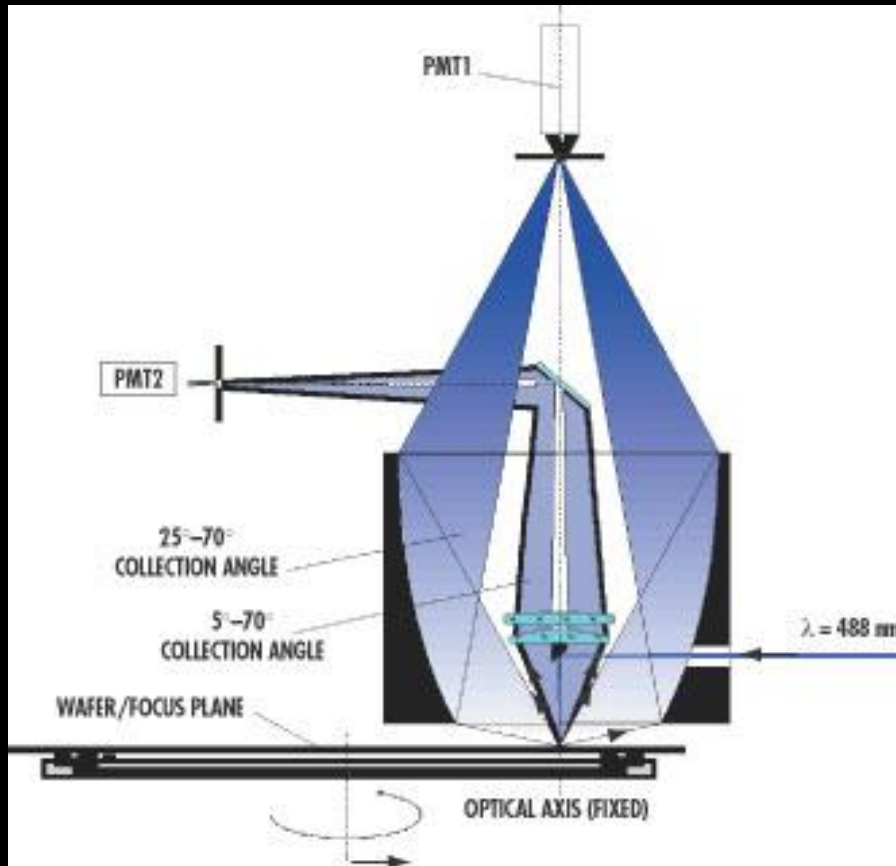
KLA-Tencor Corporation



http://semimd.com/wp-content/uploads/2011/08/KT_eDR470.jpg

Semiconductor wafer inspection

Research Scientist, KLA-Tencor



<http://www.micromagazine.com/archive/01/01/williams.html>

*Find 20nm defects
on 200mm wafers
in 60 seconds*

Ricoh



Production Printers

Ricoh



Multifunction Printers

Ricoh



Projectors

Ricoh



Cameras

Ricoh eQuill

Paperless. Digital. Workflows.
Business-class Tablet
& Back-end Services.



Let's Go Digital

E Ink Tablet

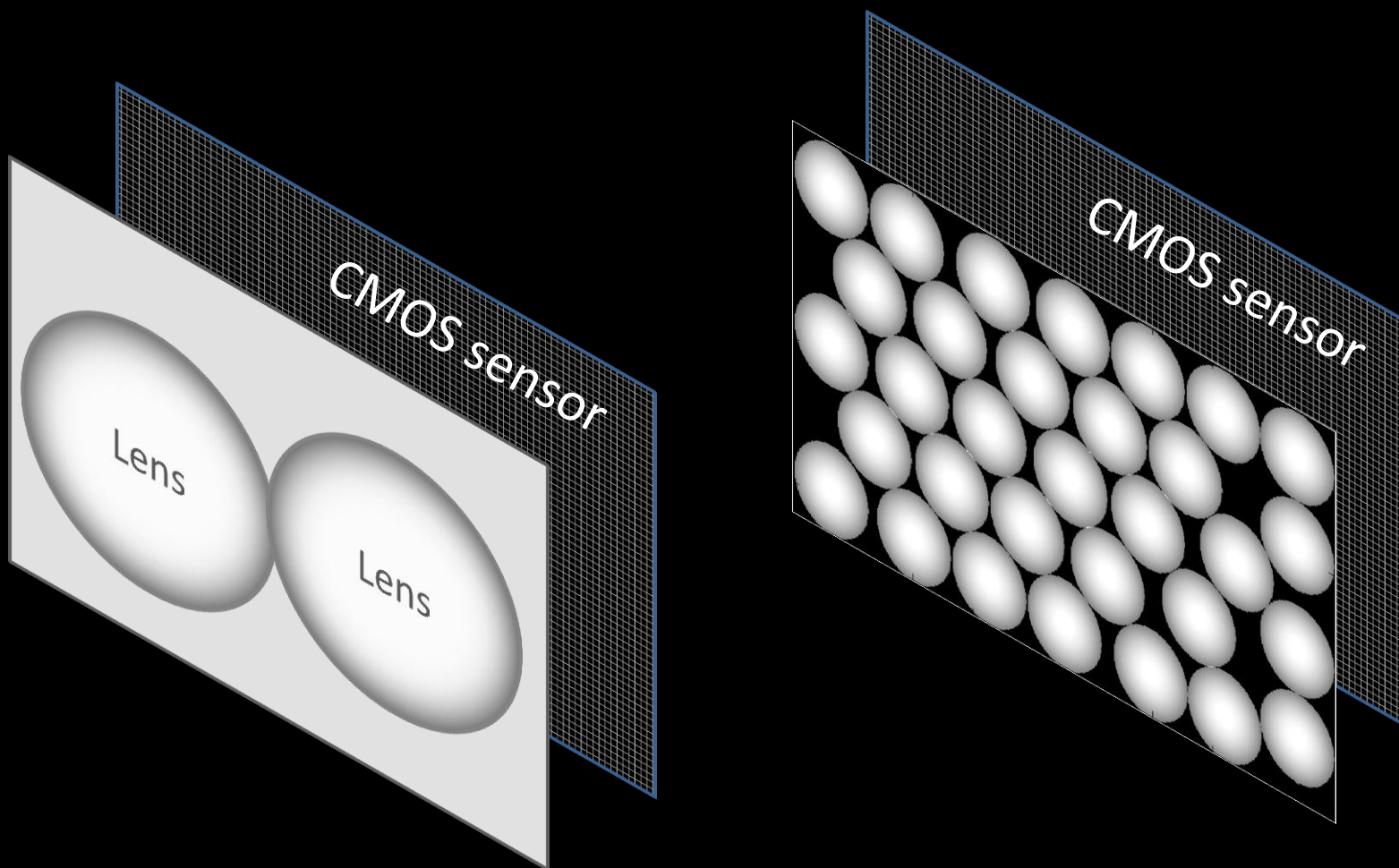
Ricoh Innovations



Computational Optics & Visual Processing



Advisory Research Scientist Ricoh Innovations



A *COSI* Career

Prasanna Pavani