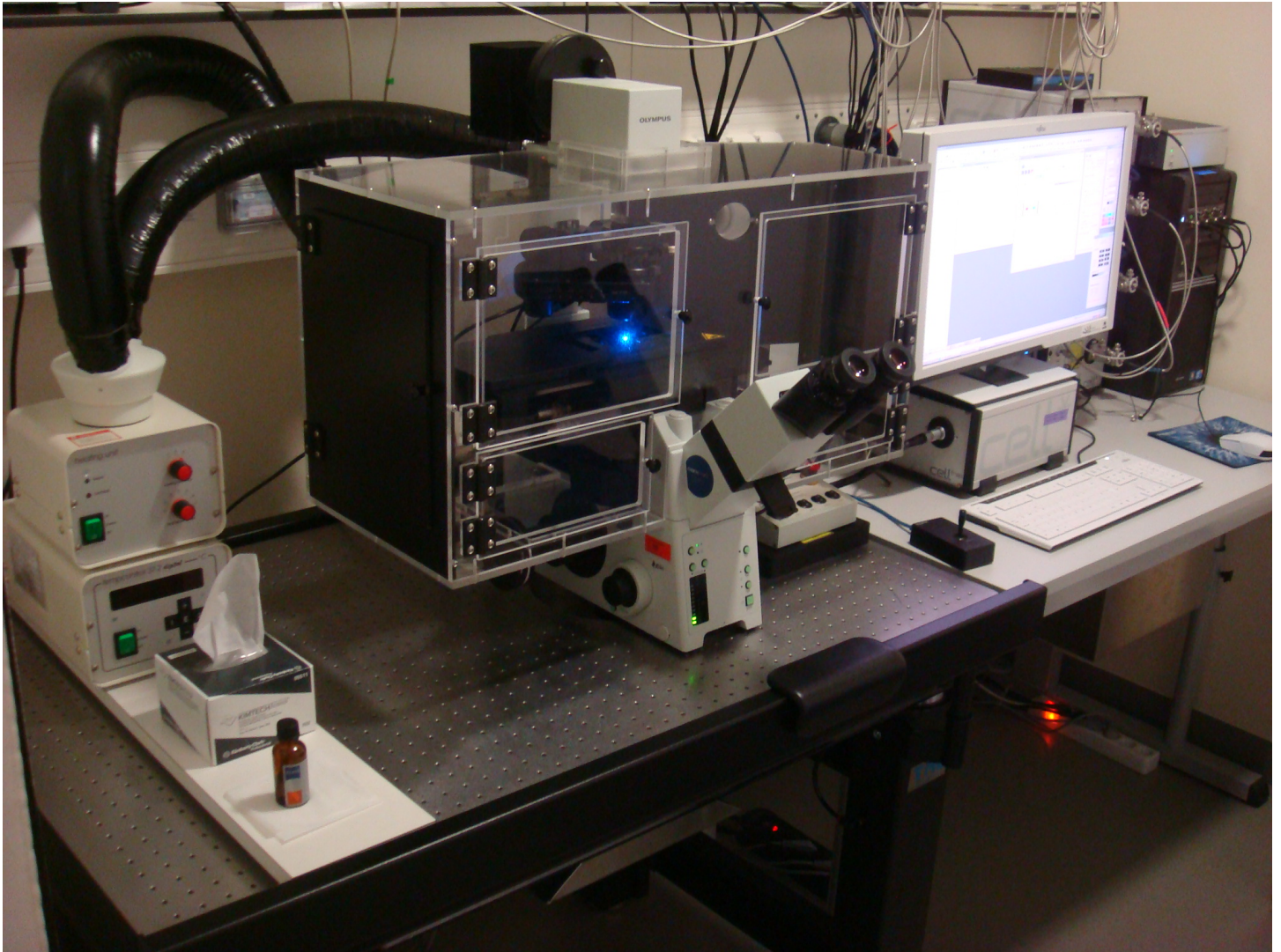


## Olympus *xcellence* Superresolution/TIRF/ScannerFRAP microscope



- Fully motorized TIRF illumination combiner for 4 laser lines (405, 488, 561, 640 nm)
  - Very sensitive monochromatic EMCCD camera Hamamatsu ImagEM Enhanced (pixel size 16  $\mu\text{m}$ ) for superresolution, TIRF, weak fluorescent signals and single molecule detection
  - Monochromatic CCD camera Olympus XM10 for higher resolution (pixel size 6,45  $\mu\text{m}$ ) with normal fluorescent signals
  - 6D imaging (x, y, z, t,  $\lambda$ , multiple locations)
  - Motorized microscope stage
  - Software autofocus & hardware autofocus ZDC (z-drift compensator)
  - Large incubation chamber & temperature control for glass slides, LabTek chambers, Ibidi slides and 35 mm dishes
  - ScannerFRAP module with 514 nm laser. Free ROI scanning with scanning mirror!
  - Differential interference contrast (DIC) at 60x & 100x magnifications
  - 3D PALM/STORM setup with astigmatic lens
- Inverted widefield microscope system for advanced superresolution, TIRF and bleaching applications