

## Basics

- [Fluorescence and Fluorescence Microscopy](#) by Nico Stuurman
- [Confocal Microscopy and Optical Sectioning](#) by Kurt Thorn
- For a complete Video based Microscopy course by ibiology.org have a look here: [ibiology-microscopy-course](#)
- [MyScope- Online tutorial](#) including , theory, simulator and assessment.
- [Introduction to Fluorescence Correlation Spectroscopy](#)
- [Book: "Advanced Photon Counting: Applications, Methods, Instrumentation"](#) , 2015, Springer Series on Fluorescence, Volume 15,  
Editors: Peter Kapusta, Michael Wahl, Rainer Erdmann.  
Excellent book serving not only as a great introduction to the field but also as day-by-day handbook for the experienced user of the techniques and instrumentation.
- Many useful information can be found in [MicroscopyU by Nikon](#) and more specifically :
  - [Numerical Aperture](#)
  - [Numerical Aperture and Image Resolution](#)
  - [Microscope Alignment for Köhler Illumination](#)
  - [Introduction to Microscope Objectives](#)
  - [Coverslip Correction](#)
- [Interactive Visualization of Fluorescent Protein Properties](#)

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