

# TIPNET COURSE 2003

## Video / Life Cell Imaging

### Recommended literature

#### *Light Microscopy*

Bradbury, S., Bracegirdle, B., 1998:  
**Introduction to Light Microscopy.**  
Royal Microscopical Society Microscopy Handbooks 42.  
BIOS Scientific Publishers Ltd, Oxford, UK.  
ISBN 1 859961 21 5

Bradbury, S., Evenett, P.J., 1996:  
**Contrast Techniques in Light Microscopy.**  
Royal Microscopical Society Microscopy Handbooks 34.  
BIOS Scientific Publishers Ltd, Oxford, UK.  
ISBN 1 85996 085 5

Bradbury, S., Evenett, P.J., Haselmann, H., Piller, H., 1989:  
**RMS Dictionary of Light Microscopy**  
Royal Microscopical Society Microscopy Handbooks 15.  
BIOS Scientific Publishers Ltd, Oxford, UK.  
ISBN 0-19-856413-9

Gerlach, D., 1976  
**Das Lichtmikroskop. Eine Einführung in Funktion, Handhabung und Spezialverfahren für Mediziner und Biologen.**  
Georg Thieme Verlag Stuttgart.  
ISBN 3-13-530301-2

Oldfield R., 1994:  
**Light Microscopy: an Illustrated Guide.**  
Wolfe Publishing.  
ISBN 0 7234 1876 4

Slayter, E.M., Slayter, H.S., 1992  
**Light and Electron Microscopy.**  
Cambridge University Press.

#### *Video Microscopy*

Inoué, S., 1986:  
**Video Microscopy.**  
Plenum Press, New York.  
ISBN 0-306-42120-8

Shotton, D., ed., 1993:  
**Electronic Light Microscopy: Techniques in Modern Biomedical Microscopy.**  
Wiley-Liss, Inc.

ISBN 0-471-56077-4

***Fluorescence Microscopy***

Hermann, B., 1998:

**Fluorescence Microscopy.**

Royal Microscopical Society Microscopy Handbooks 40.

BIOS Scientific Publishers Ltd, Oxford, UK.

ISBN 1 872748 84 8 second edition

Hepler, P.K., Gunning, B.E.S., 1998:

**Confocal fluorescence microscopy of plant cells.**

Protoplasma 201, 121-157.

Wang, Y., Lansing-Taylor, D., eds., 1989:

**Fluorescence Microscopy of Living Cells in Culture.**

**Part A: Fluorescent Analogs, Labeling Cells, and Basic Microscopy.**

Methods in Cell Biology, Vol 29

Academic Press, Inc., San Diego

ISBN 0-12-684754-1

Lansing-Taylor, D., Wang, Y., eds., 1989:

**Fluorescence Microscopy of Living Cells in Culture.**

**Part B: Quantitative Fluorescence Microscopy – Imaging and Spectroscopy**

Methods in Cell Biology, Vol 30

Academic Press, Inc., San Diego

ISBN 0-12-684755-X

Rost, F.W.D., 1991:

**Quantitative Fluorescence Microscopy.**

Cambridge University Press

ISBN 0 521 39422 8

Pawley, J.B., 1990:

**Handbook of Biological Confocal Microscopy.**

Plenum Press, New York.

ISBN 0-306-43538-1

***Microscopy Techniques in Biology***

Hayat, M.A., ed., 1987:

**Correlative Microscopy in Biology: Instrumentation and Methods.**

Academic Press, Inc., Orlando.

ISBN 0-12-333922-7

Cherry, R.J., ed., 1991:

**New Techniques of Optical Microscopy and Microspectroscopy.**

The Macmillan Press Ltd

ISBN0-333-49108-4

Herman, B., Jacobson, K., eds, 1990:

**Optical Microscopy for Biology.**

Wiley-Liss, Inc.

ISBN 0-471-56762-0

Duke, P.J., Michette, A.G., 1990:

**Modern Microscopies: Techniques and Applications**

Plenum Press, New York.

ISBN 0-306-43288-9

***Documentation***

Bracegirdle, B., Bradbury, S., 1995:

**Modern Photomicrography.**

Royal Microscopical Society Microscopy Handbooks 33.

BIOS Scientific Publishers Ltd, Oxford, UK.

ISBN 1 85996 09 01