

## Artwork Guidelines

The quality of the illustrations in the published volume will directly reflect the quality of the artwork provided. All illustrations must be submitted in a fashion suitable for reproduction without further retouching or redrawing.

*Electronic submission of figure files is highly recommended.* Please see the electronic submission guidelines below for more information.

Original ink drawings, high-quality (1200 dpi or higher) laser printouts, or high-quality ink-jet prints (1200 dpi or higher on high-quality/photo paper) yield the best results and should be submitted. Xerox copies are not acceptable, and photo-stats or scanned images frequently give poor results. If the original art cannot be obtained when reproducing a previously published figure, the appropriate page from the publication or a high-contrast quality photographic print made from the page should be supplied instead. Do not supply xerographic copies or poor scans where lettering and details have dropped out or filled in.

Illustrations must be free of unnecessary detail. Graphs should be prepared with ticks on the axes rather than grid lines. Fine shading should be avoided if it is not essential to the understanding of the illustration. Fine shading tends to arbitrarily drop out and subtle changes may disappear in reproduction. If screens (dot patterns) are used for shading, they should be coarse (big dots-if the dots cannot be easily seen as dots by the naked eye, the shading may not reproduce adequately). Crosshatching, solid black, solid white or heavy vertical or horizontal lines should be used instead of fine shading.

### Continuous-Tone Photographs

Photographs should be supplied separately, either in the form of high-contrast, good-quality continuous-tone photographic prints made from the original negatives or in the form of the negatives themselves. (If you are generating camera-ready copy, please include the caption and space for the figure in your manuscript.)

### Labeling within an Illustration

Illustrations will (or should, if incorporated into the camera copy) be scaled so that the capital letters of most of the labels will be approximately 8- or 9-point type in the published volume. Variance of type size within an illustration should be minimal, e.g., do not use 8-pt type on an axis and 20-pt type for the axis label. Note that in labeling figures it is important to avoid making subscripts and superscripts too much smaller than the main characters; if the subscripts and superscripts are too small in comparison with the main type, they will not be readable when the figures are reduced. Avoid including titles in an illustration that could be more appropriately incorporated into the figure caption.

### Electronic Submission of Graphic Files

The printout of the image within the manuscript must directly reflect the file version. Each file should contain a single graphic. Although line art should be incorporated directly into camera-ready copy (CRC), we encourage supplemental file versions of all artwork. The files may be supplied on disk or via anonymous FTP (<ftp://ftp.wkap.com/incoming>). It is best to submit some sample art files to Springer for approval prior to the completion of your manuscript. Please send the electronic files to us at the following e-mail address: [authorsupport@springer.com](mailto:authorsupport@springer.com).

### Graphic File Specifications (dpi, file types, and color space)

Digital continuous-tones art (shading/photograph-like, with no lettering) must be supplied at 1200 dpi resolution. Combination artwork (i.e., continuous tone with lettering in the illustration) must also be

supplied at 1200 dpi or higher dpi. 1200 dpi resolutions are required for line art, TIFF, JPEG, EPS or PDF files.

### **Color Artwork**

If a figure is to be reproduced in color, special arrangements must be made by the author to cover the cost of color reproduction (approximately \$750 for a single illustration) and specific instructions must be included indicating that the color reproduction will be subsidized. No color art or photographs will be reproduced in the book without prior approval from the Springer publishing editor. If your color artwork is approved it will be printed in a CYMK color space, so, if proficient in your particular graphics program, or such services are available to you, it is best to submit color images as CYMK (rather than RGB).

### **Scanning Illustrations**

When scanning illustration from another source for import into your manuscript, always scan at 1200 dpi. Scanning at a lower dpi and printing at a higher dpi will yield an illustration at the lower scanned dpi.