

UCI DEVELOPMENTAL BIOLOGY CENTER – OPTICAL BIOLOGY CORE

Instructions for downloading and viewing image files saved on "USER" data folder on OBC Workstation

DOWNLOAD IMAGE FILES TO YOUR LOCAL COMPUTER

Windows OS or Mac OS 10.x.x

Using a web browser (e.g. Internet Explorer, Safari or Firefox)

1. Type < <ftp://obc-user:zeissmeta@128.200.23.34> > in the URL address window followed by <return>
2. Identify your folder and download your image files.

Mac OS 10.x.x only

On the desktop, "Connect to Server" by typing <command + K>

Enter the following FTP command plus IP address – < <ftp://128.200.23.34> >

When prompted, enter the user name and password -

Login Name < obc-user >

Password < zeissmeta >

Windows

Open Windows Explorer (right click on the start button, select explore)

1. Type < <ftp://obc-user:zeissmeta@128.200.23.34> > in the URL address window followed by <return>
2. Identify your folder and download your image files.

VIEWING .LSM IMAGE FILES

To open your ".lsm" image files, you will need a copy of the Zeiss LSM Image Browser, version 4.2 – Windows only (available at <http://www.zeiss.com/micro>). The free version of this application does not have all features of the licensed software. Hence, you may wish to complete your analysis on the OBC workstation, which has a registered copy of the software, before saving your final data files.

The free LSM Image Browser 4.2 permits the following –

- Calculation of single 3D projections (transparency or maximum modes)
- Orthogonal Section View
- 3D Cut View
- Overlay Functionality (Scale bar, Text, Drawing functions, Time stamp, Coordinates x y z)
- Extraction of image regions
- Color-coding in Z
- Enhanced Multi-print with Overlay functionality
- Viewing, comparing, sorting and printing LSM 5 images
- Changing image contrast and brightness
- Displaying LSM 5 images in superimposed and split image mode
- Displaying up to 8 channels simultaneously
- Assigning each channel a predefined color
- Set zoom (automatic fit, resize and zoom factors in power-of-two steps)
- Presenting stack animations at variable frame rates and with variable start and end image
- Displaying individual slices of a stack by the slice function
- Presenting a stack in gallery mode with Z section information
- Exporting and importing images to/from the following file formats:

LSM 4 - TIFF Planar (*.tif)

LSM 4 - TIFF Chunky (*.tif)

TIFF 12-bit (*.tif)

TIFF 16-bit (*.tif)

MetaFluor 3.0 (*.inf)

TIF - Tagged Image File (*.tif)

BMP - Windows Bitmap

AVI - Video for Windows (*.avi)

JPEG - File Interchange Format (*.jpg)

PNG - Portable Network Graphics/6-bit

(*png)Attofluor 6.0 PCX - Zsoft (*.pcx)

GIF - CompuServe (*.gif)

PSD - Adobe Photoshop (*.psd)

RAS - SUN Raster File (*.ras)

PCT - Macintosh QuickDraw (*.pct)

TARGA - Truevision (*.tga)+

PNG - Portable Network Graphics (*.png)

EPS - Encapsulated PostScript

PIC - BioRad Confocal Image files (*.pic)