## Install Fiji

- 1. Goto <u>https://imagej.net/software/fiji/downloads</u> and download Fiji for your operating system. (Requires ~300MB of disk space)
- 2. Once downloaded, unzip the archive to a folder of your choice.
- 3. Fiji is now ready to go

## Install MoBIE

MoBIE [Pape et al.] is available as a Fiji plugin (also see <u>https://imagej.net/plugins/mobie</u> and <u>https://github.com/mobie/mobie-viewer-fiji</u> for more details). The basic steps for installation are:

- 1. Start Fiji
- 2. Run the updater: Help -> update...
- 3. Click the "Manage Update Sites" button
- 4. Select MoBIE in the list

	(Fiji Is Just) ImageJ	_ 0 😣		
File Edit Image Pr	rocess Analyze Plugins Wi	ndow Help		
	:[井丶А오종] 🧾 🧯	kw Stik Lut 🖉 🖉 👌 🤝		
Scrolling tool (or press spa	ce bar and drag)	Click here to search		
	ImageJ Updater			
Name		Manage Updab	e Sites	
	Country			
	Search:	UDI	Hant Di	
	Act Name	URL	Host DI	Description
	MiC maak someoneter	https://sites.imagej.net/M	I N	e MSOT cluster analysis toolkit Mc.
	MIC mask comparator	https://sites.imagej.net/M	MI	L is a plugin to compare segmenta.
	MIC-MAQ	https://sites.imagej.net/M	(1	ttps://gitnub.com/inuitimodaiimagin.
	Micro-Magellan	https://sites.imagej.net/H	Mi	cro-Magellan is a plugin based on
	Microglia-Morphometry	https://sites.imagej.net/M	Mi	croglia-Morphometry is a tool for th.
	Mignty Data, Inc.	https://sites.imagej.net/	De	endritic Spine Counter creates a m
		https://sites.imagej.net/N	Mi	croscopy image Stitching Tool (MI
	MiToBo	https://sites.imagej.net/M	Mi	loBo is a collection of basic image.
	MoBIE	https://sites.imagej.net/M	Mu	iltimodal Big Image Data Exploratio.
	ModularimageAnalysis (	MIA) https://sites.imagej.net/M	ML	A is a plugin which provides a mod.
	Molography	https://sites.imagej.net/V	So	ript for Evaluation of Molographic
	MoMA	https://sites.imagej.net/M	Mo	other Machine Analyser
	Morphology	https://sites.imagej.net/L	Th	e update site for the Mathematical .
	MOSAIC ToolSuite	https://mosaic.mpi-cbg.d	An	integrated toolbox containing the f
	MotiQ	https://sites.imagej.net/M	An	set of ImageJ plugins to quantify d.
	MPIBPC	https://sites.imagej.net/M	MF	PIBPC stands for Max Planck Instit
	MS-ECS-2D	https://sites.imagej.net/M	Me	embraneStained EpithelialCellSeg
Margare Hadata Char	MTrack	https://sites.imagej.net/M	M	Track is a tool, which detects, track.
manage Opdate Sites	Multi-Template-Matching	https://sites.imagej.net/M	Mu	Itiple template matching allows to
	Multifrac	https://sites.imagej.net/M	Mu	Itifrac is a tool for multifractal and
	MultiStackReg	https://sites.imagej.net/M	Mu	ItiStackReg does registration of a
	□ N5	https://sites.imagej.net/N5/	N5	libraries.
	Add U	Inlisted Site Remove Valio	late URLs Appl	y and Close

- 5. Click "Apply and Close"
- 6. Then, back in the ImageJ Updater window, click "Apply Changes"
- 7. Wait until MoBIE and its dependencies are downloaded
- 8. Restart Fiji

## Data download

For the course we have set up a dataset for you to follow along. This can be downloaded here:

https://oc.embl.de/index.php/s/cklkhPrRgogO7XG Password: zeisslmem24

Note: Please directly contact <u>hennies@embl.de</u> should this link not work for you prior to the course!

The download is ~700 MB and covers a FIB-SEM image stack, two light microscopy volumes as well as two segmentations of the FIB-SEM dataset. The full version of the dataset is published in [Mocaer et al.].

## References

Pape et al., MoBIE: a Fiji plugin for sharing and exploration of multi-modal cloud-hosted big image data, Nature Methods 20, pages 475–476 (2023)

Mocaer et al., Targeted volume correlative light and electron microscopy of an environmental marine microorganism, *J Cell Sci* (2023) 136 (15): jcs261355.