First Steps

Learning by doing is most of the times the best option. So, try out the demos on

https://www.nora-imaging.org/

to get an inital experience. Note that there is also a non-web version of the viewer (packed in electron) to allow local non-internet usage of the viewer (download also here)

NORA's desktop

NORA's basic working screen is like that: image-1602508371722.png
NORA's imaging data is organized in projects. Each projects contains a set of subjects/studies, which appear in the left table of the desktop.

Loading data for viewing happens in most of the cases per **drag&drop.** You can drag images from the subject/study table (see here for more about the table) into the viewports on the right. By **double-clicking** a file its content is loaded and placed into next available viewport. You can also **drag&drop files from your local computer** into the viewports for visulization (note that the data is not uploaded, it stays on your local machine).

Depending on the file type different drop options appear in the viewports. For example, if you want to overlay one image onto another just drop on "drop as overlay". Hence, each viewport can contain multiple items: a background, overlays, masks, fibers and surfaces (in 3D) etc.. Corresponding to each item a **viewbar** appears in the upper right corner of the viewport. The viewbar controls the appeerence of the associated object/contrast. Most properties (colormapping, outlines, etc.) are set for all instances of the object in all viewports. If you want to choose the same object to have different appeerence properties in different viewports use the shift key while selecting the property.

The viewbar of the "background" image is organzed as follows

image-1601650455715.png

Central Toolbar

image-1601633873571.png

Viewports and Viewer Layout

To control the layout of the viewports use the layout selector located at the central toolbar. Note that for the horizontal viewports at the bottom a mosaic view is default.

image-1601633656873.png

Mouse

Mouse wheel	change slice
Ctrl + Mouse wheel	zoom
Right mouse button (hold down)	pan
Left mouse buttom click	change position of crosshair (world position)
Middle mouse button	Change windowing
Ctrl + Left Mouse button hold	Reformatting MPR (rotation/translation) , see Navigation Tool

Keyboard Shortcuts

1-6,0	shortcuts to standard CT windowings
Space	toggle ROI edit, see ROI tool
s	open settings window
x,y	decrease/increase scroll speed
arrow up/down	change subject (when using autoloader)
(shift) Ctrl-Z	Undo/Redo ROI drawing