

Online Help for OlyVIA_{mobile} (HTML 5 based)

Last modified:	25 January 2017	Version 1.1
Software/Device:	Apollon v2.0.0	
Author:	Dr. Daniel Göttel	12.12.2016
Approved by:	Dr. Tobias Schilling	
Document ID		

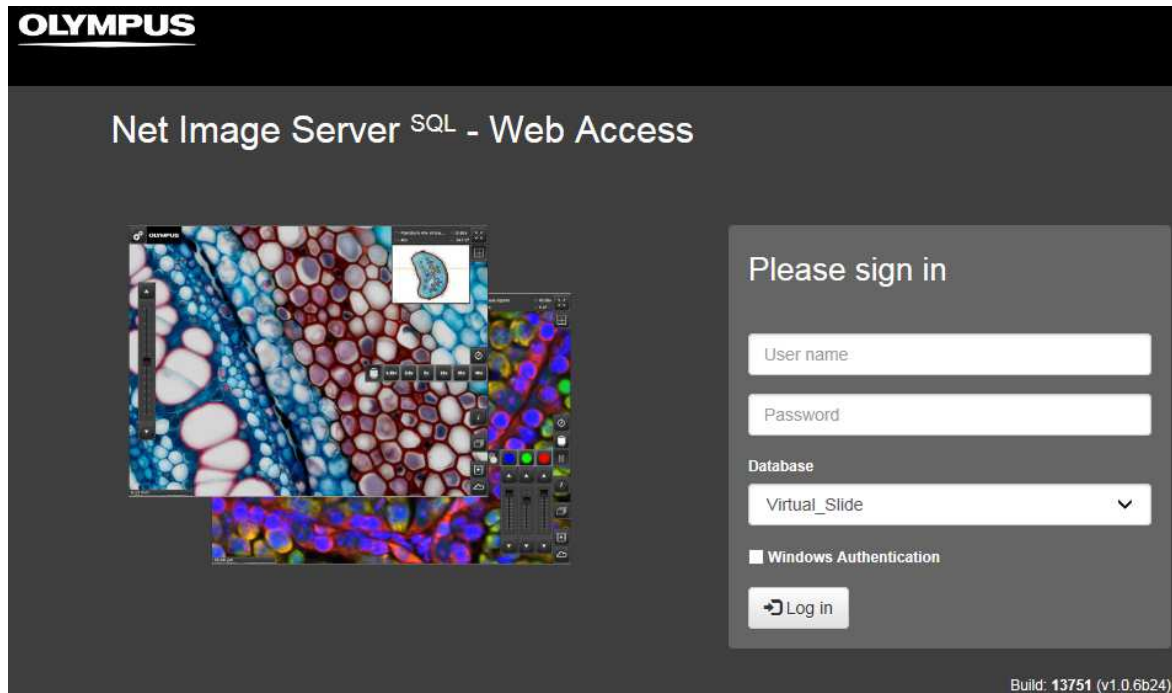
Table of content:

1	START THE VIEWER	3
1.1	SELECT A DATABASE AND LOGIN	3
1.2	LOG OFF.....	4
2	DATABASE GALLERY – ROOT	4
3	IMAGE NAVIGATION	5
3.1	PAN IN X AND Y	6
3.2	ZOOM	6
3.3	ROTATE	6
3.4	VIRTUAL FOCUS	7
3.5	MULTI-LAYER IMAGES.....	8
3.6	VISIBILITY OF FLUORESCENCE CHANNELS.....	8
4	THE MINIMAP	9
5	FULLSCREEN MODE	10
6	SCALE BAR	10
7	IMAGE INFO	10
8	SEND IMAGE HYPERLINK VIA EMAIL	11
9	SCREENSHOT FUNCTION	11
10	SEARCH	12
10.1	ADVANCED SEARCH	13
11	COMPARE IMAGES	14
12	ANNOTATIONS	15
12.1	ANNOTATION LIST.....	15
12.2	CREATE AN ANNOTATION	16
12.3	ANNOTATION SHAPES	16
12.3.1	<i>Rectangle</i>	16
12.3.2	<i>Ellipse</i>	16
12.3.3	<i>Closed Polygon</i>	16
12.3.4	<i>Polygon line</i>	16
12.3.5	<i>Line</i>	17
12.3.6	<i>Point</i>	17
12.3.7	<i>Text</i>	17
12.3.8	<i>Mask</i>	17
12.4	CREATE AN ANNOTATION TEXT.....	17

12.5	CHANGE SIZE OF AN ANNOTATION:	18
12.6	EDIT AN ANNOTATION	19
12.7	JUMP TO AN ANNOTATION	19
12.8	DELETE AN ANNOTATION.....	19
12.9	EDIT ANNOTATION TEXT	20
12.10	SAVE AN ANNOTATION	20
12.11	SHOW/HIDE ANNOTATIONS	20
13	LAYER INFO	20
14	SETTINGS AND HELP.....	21

1 Start the Viewer

Open the URL provided by your system administrator in any web-browser. E.g. <http://demo-nis.olympus-sis.com> or <https://demo-nis.olympus-sis.com> (if secure access HTTPS is configured)



1.1 Select a Database and login

Select a database from the list of available databases and type in your user credentials. By default your SQL user credentials are required.

If the database server is configured to use Windows authentication check the Windows authentication checkbox and first type in the Domain-Name and subsequently your Windows username and password.

1.2 Log Off

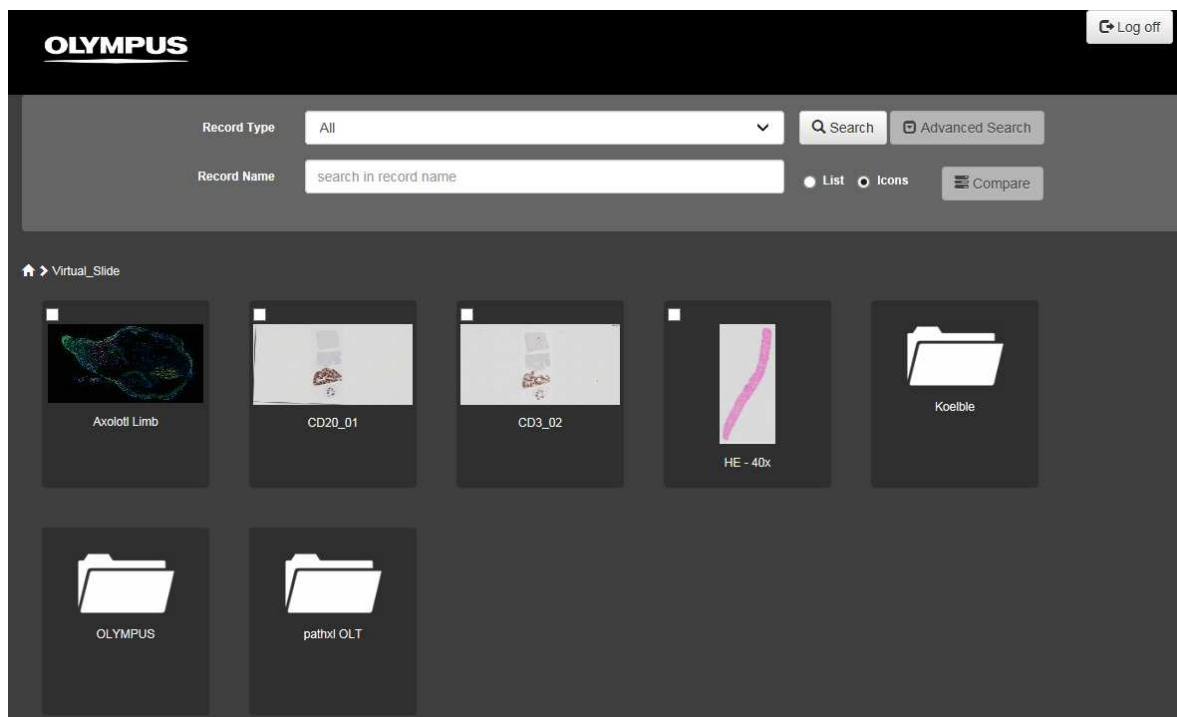
Use the **Log off** button to logout and exit the session. You will be redirected to the viewer's startpage.



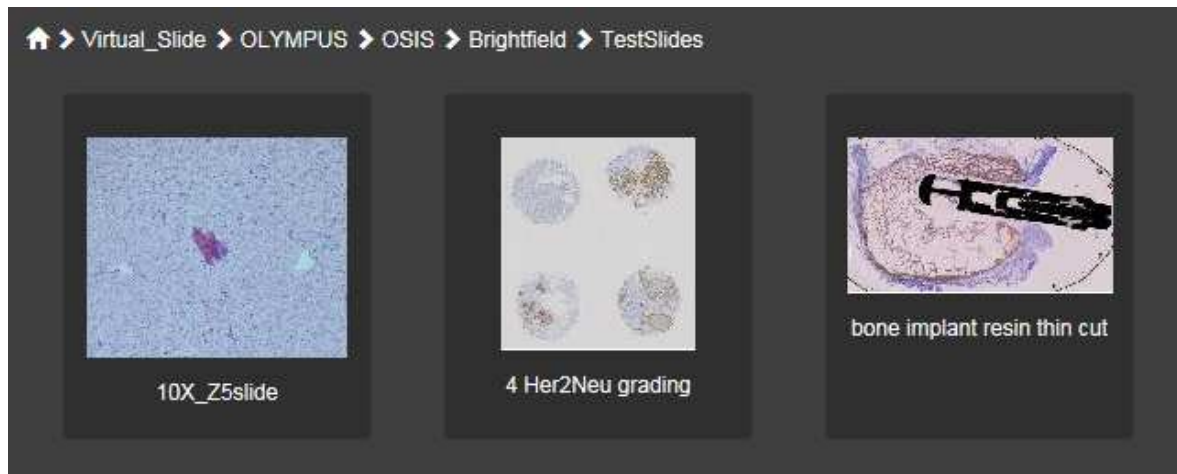
2 Database Gallery – root

After a successful login you will see the **Gallery - root** folder of the database.

Double click on a folder to open it.



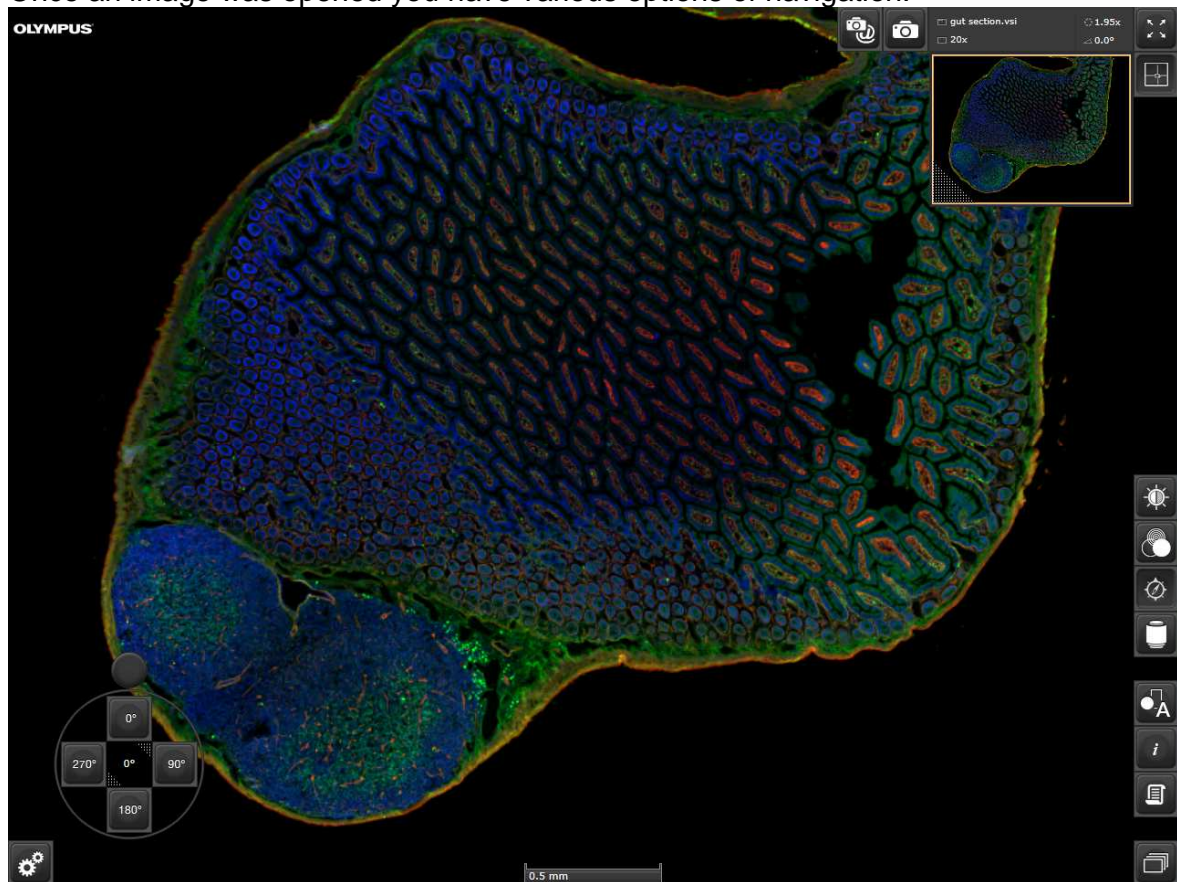
Use the **Home** button to get back to the root folder or click on file path to go back to individual folders.



- Click on an image to open it. It opens in a new browser window.
- To close an image just close the browser window.

3 Image Navigation

Once an image was opened you have various options of navigation.



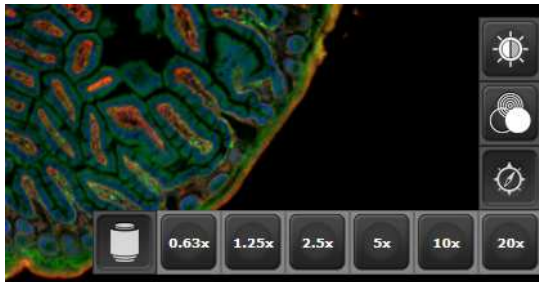
3.1 Pan in X and Y

Hold the left mouse button down when inside the image and move the mouse to pan in X- or Y direction.

You can also use the keyboard cursor keys to navigate in X- and Y direction.

3.2 Zoom

Use the mouse-wheel to zoom in and or out or use fixed magnifications by clicking on the lens icon to open the callout and selecting a magnification in the right toolbar.

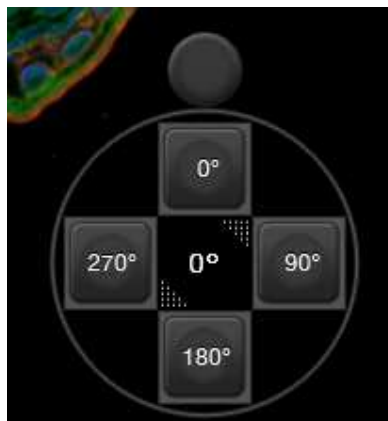


The magnification buttons presented are depending on the magnification which was used to acquire the image.

- Use the keyboard shortcuts **+** and **-** to zoom in or out.

3.3 Rotate

Use the **Rotation Circle Tool** to rotate the image seamlessly by left mouse click on the rotation handle outside the ring and hold down.



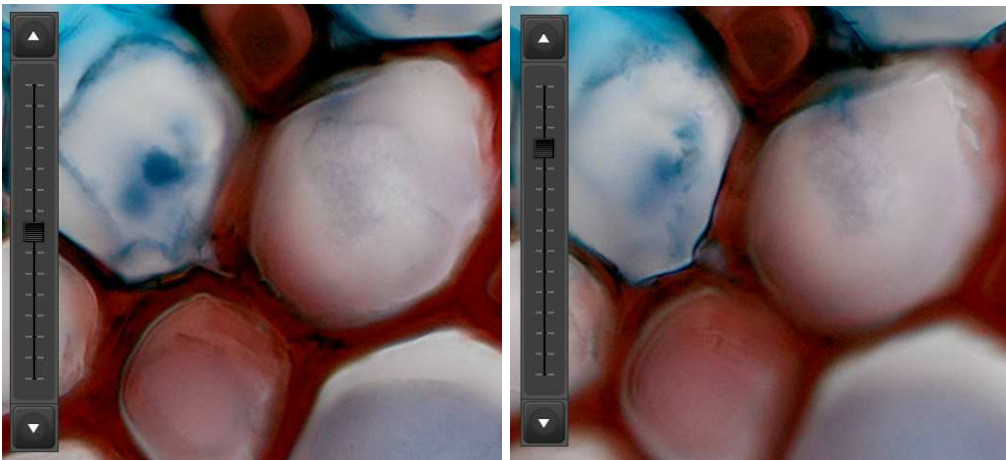
- Use fixed rotation angle by clicking on the corresponding buttons.




- Click on the angle value in the center of the Rotation tool to enter individual degree values.
- Click on the dotted area in the upper right and lower left corner of the center button to change the position of the **Rotation Circle Tool**.
- Use '**CRTL** and **+**' or '**CRTL** and **-**' to rotate via keyboard shortcut.

3.4 Virtual Focus

If an image was acquired as a Z-stack the viewer automatically displays a Z-slider overlay.



- You can use the slider to step through the Z-stack like a virtual focusing. Use

either the arrow button at top and bottom  or click on the slider knob and move it up- or downwards.

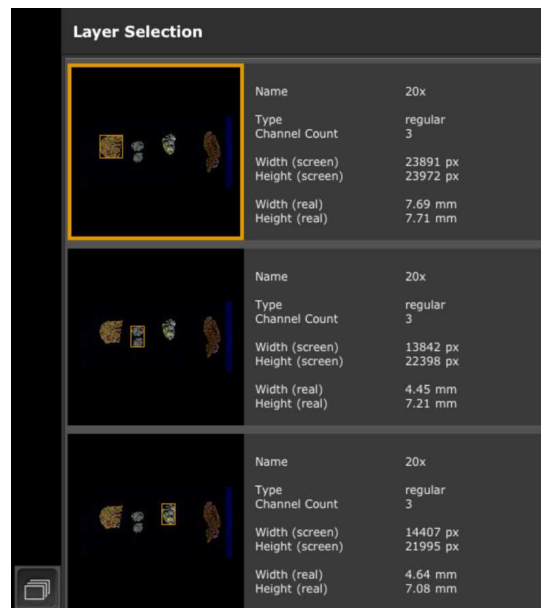
- Use '**CRTL** and **Cursor Up**' or '**CRTL** and **Cursor Down**' to step through a Z-stack via keyboard shortcuts-

3.5 Multi-Layer Images



If an image contains more than just one high resolution layer selecting the button gives you the possibility to select the individual layer to be displayed in the image navigator.

- Double-click on the layer you want to display.



If, for example the label of a slide was scanned as well you can select the layer name **`Label`** to view the label inside the App. To switch back to the other layers use the Layers button again.

3.6 Visibility of Fluorescence channels


Use the buttons in the right toolbar to hide or show the fluorescent channels

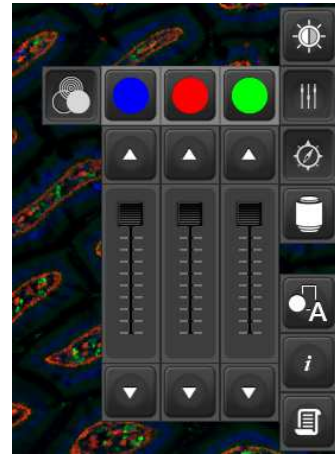


- Click on the colored buttons to hide/show individual channel.





Use the  callout to adjust the color intensity of individual channels.




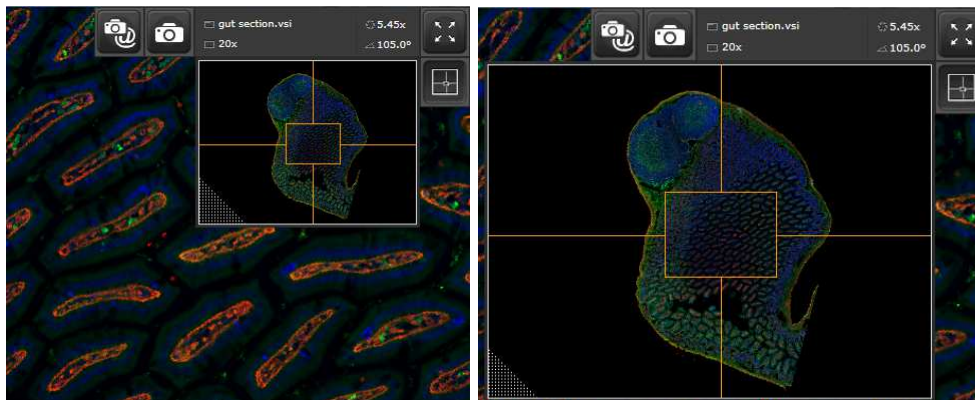
4 The MiniMap

The **MiniMap** displays an overview of the active layer shown inside the image navigator. The orange frame corresponds to the actual outtake displayed in the image navigator at high magnification.



To hide/show the **MiniMap** use the  button

Use the dotted triangle  (bottom left) to change the size of the MiniMap




- Click inside the orange frame inside the MiniMap and hold down to directly navigate inside the high resolution image layer.

Above the MiniMap an information bar is displayed showing the Image Name in the upper left corner, the maximum magnification in the lower left corner, the current magnification in the upper right corner and the current rotation angle in the lower left corner.


For large images another icon will appear when you have reached a certain zoom



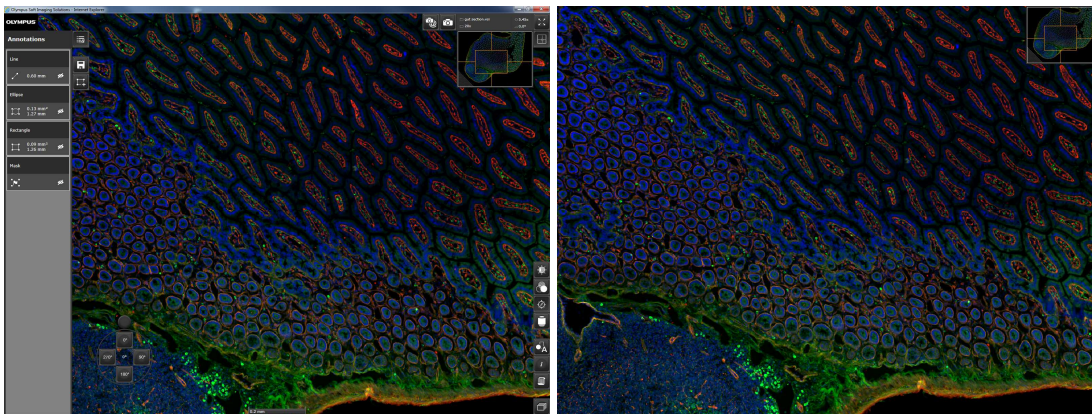
level. Use the  button to get the MiniMap into a zoomed mode.

5 Fullscreen mode



Double click inside the image navigator or use the  button to change to fullscreen mode, double click again to go back to normal mode.

In full screen mode all buttons except the rotation tool and MiniMap are invisible.




6 Scale Bar

Scale bar: the scale bar displays the length of the scale bar. The scale bar changes its length during zooming. The position of the scale bar is fixed.



7 Image Info




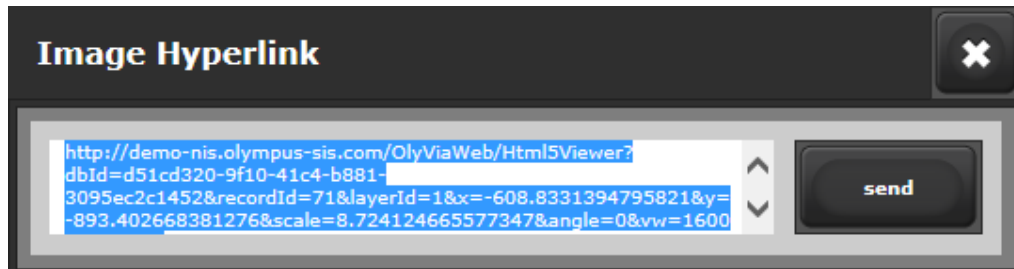
Once selected the  button opens a window displaying meta-information connected to the image currently displayed. To close the window either hit the button again or click inside the image.

The content of the info window cannot be changed via the Browser application. It can only be changed on the server itself using OLYMPUS DB-ADMINISTRATION software.

8 Send image hyperlink via Email



Selecting the  button will directly open a window to **send an image link** via your default email client.




Your email program is opened with a preconfigured email including an image hyperlink. The link contains information about the X, Y and zoom position of the image at the time when you clicked the button.

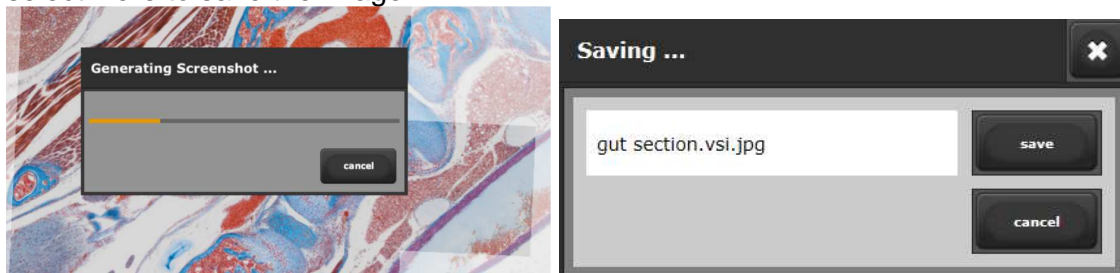
Use this function if you would like to share this image with others. Remember the other users also might have to authenticate themselves before they can access such an image via the hyper-link.

- If you do not have a preconfigured Email client on your PC a use the **link text is already selected** to copy a hyperlink to your temp memory to e.g. paste it into a text file.

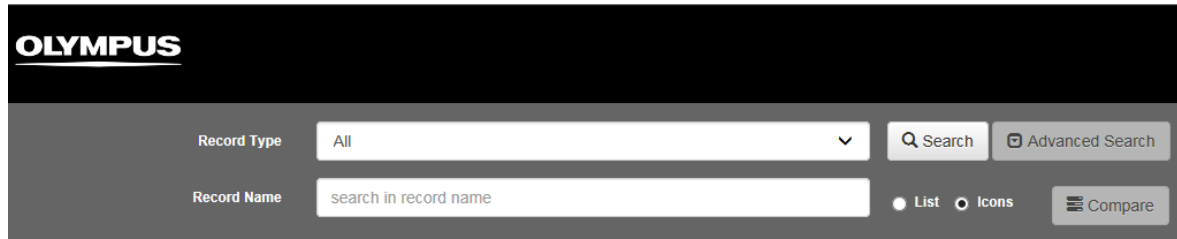
9 Screenshot function



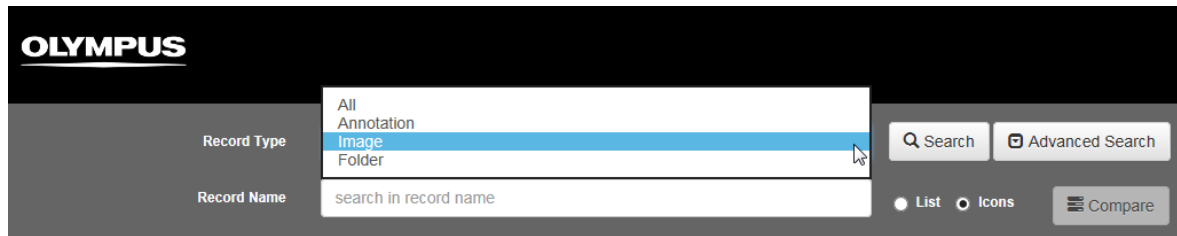
Select the  button to create a **Screenshot** of the displayed image area at 2.5x resolution depending on the current magnification. After all tiles are downloaded select were to save the image.



10 Search

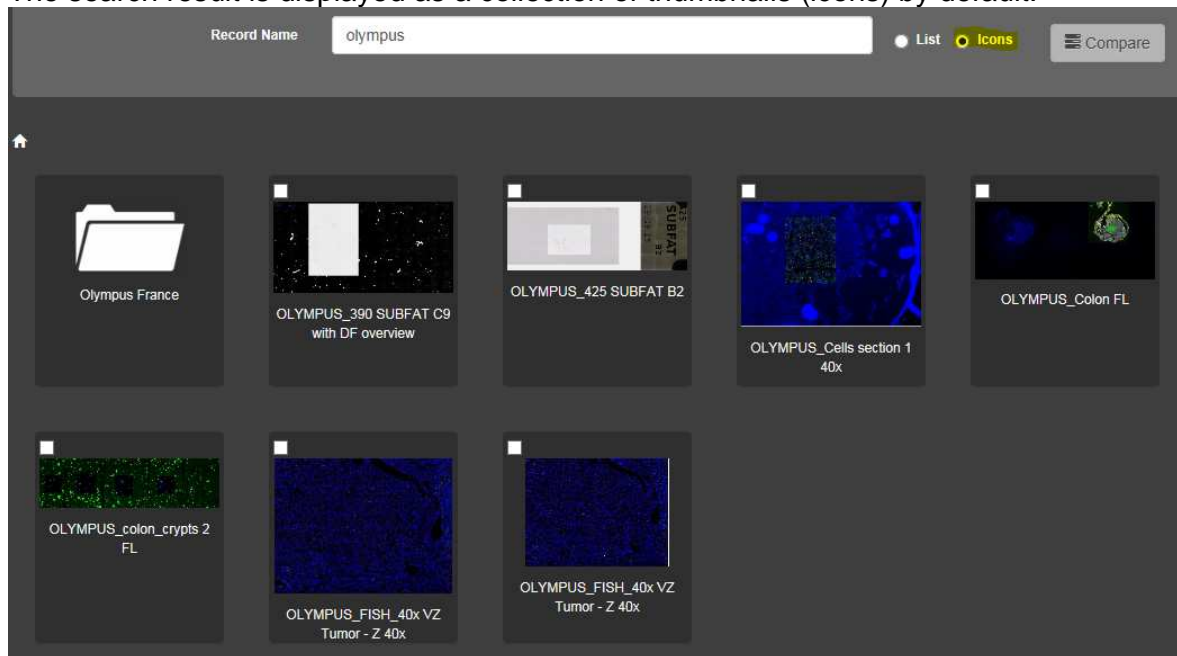


- Type in the search text into the **Record Name** field and click on the **Search** button to execute the search.
- You can select different **Record Types** to search for by clicking on the button down icon in the Record Type field.

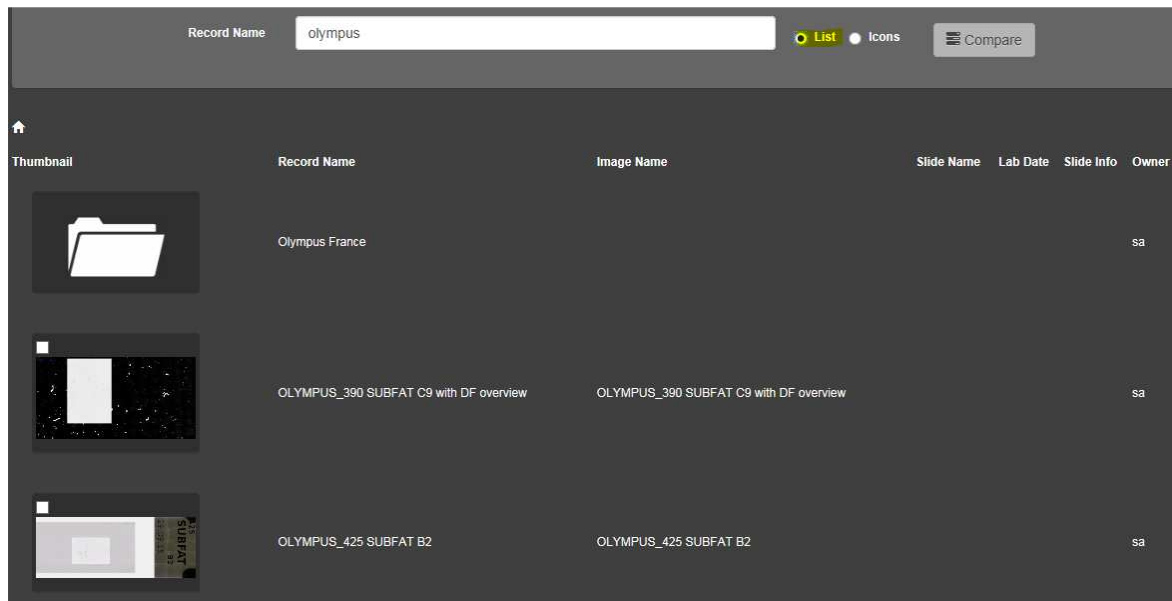


- You can select **All** to search for any Record Type or e.g. **Annotation** to only search for annotations.

The search result is displayed as a collection of thumbnails (icons) by default.



- Check the **List** checkbox (below the Search button) to display the result as a list of images including some meta information.



10.1 Advanced Search

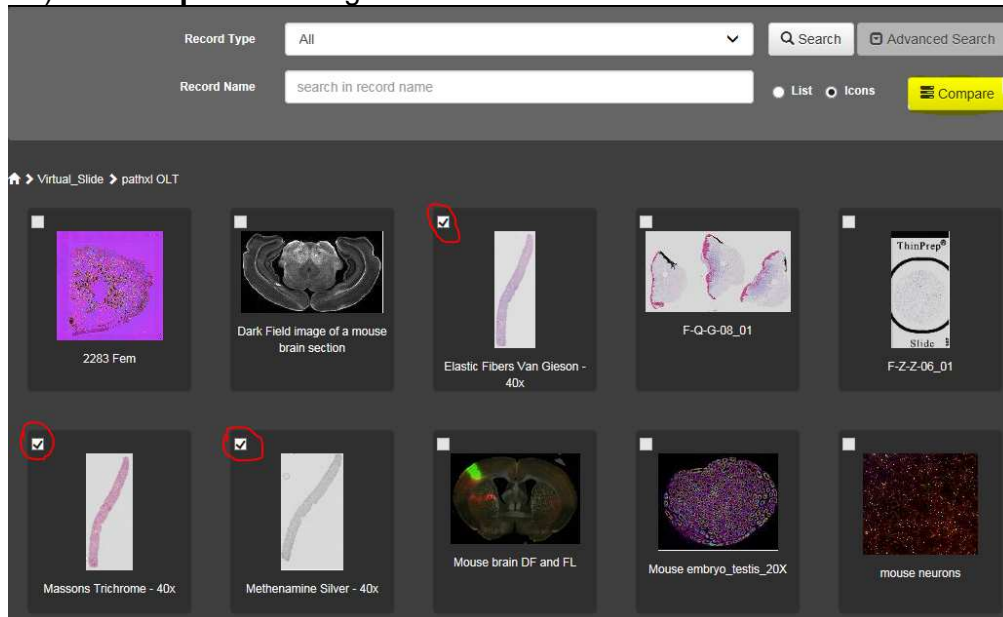
- Click on the **Advanced Search** button to search for different keywords.
- The advanced search is defined on the database server and cannot be changed via the browser viewer. To change the available keywords contact your database administrator.

The screenshot shows the Advanced Search form in the OlyVIA web interface. The form includes a 'Record Type' dropdown menu set to 'Image', a 'Search' button, and an 'Advanced Search' button. Below these are several input fields for searching in different fields:

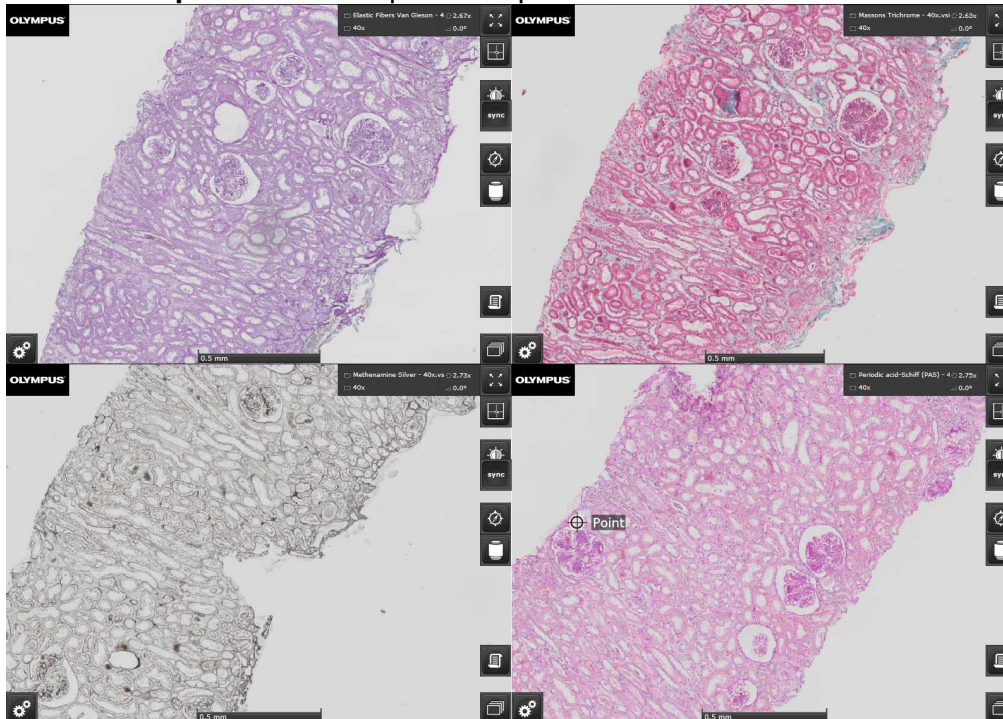
Record Type	Image	Search
Record Name	FL	Icons
Record Id	search in record id	Advanced Search
Image Name	search in image name	
Slide Name	search in slide name	
Company	search in company	
Staining	search in staining	
Slide Info	search in slide info	
Comment	search in comment	
Author	search in author	
Owner	search in owner	


11 Compare images

You can select more than one image to display by checking the checkbox in the left upper corner of each thumbnail. Once you selected more then one (maximum of 4 allowed) the **Compare** button gets active.





Click on the **Compare** button to open the Split view.

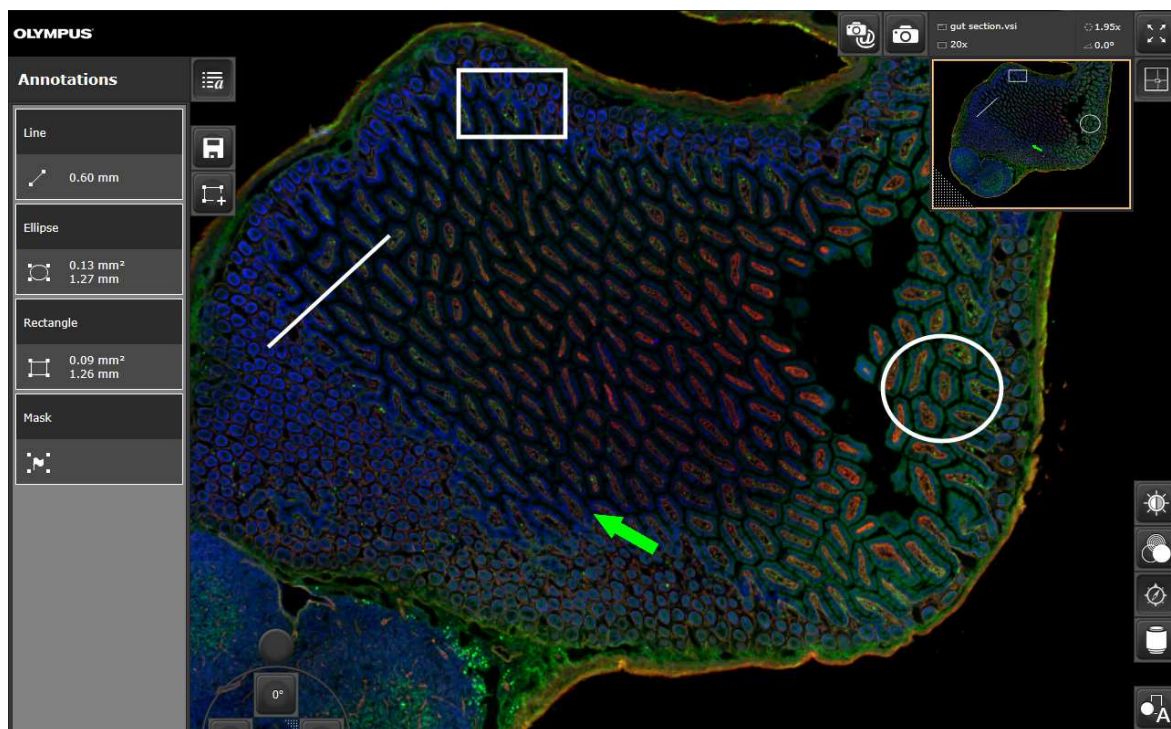



Click on the  button to synchronized movement in X, Y, Z and rotation. Click again to unsynchronize.

12 Annotations


Select the  button to open the **Annotations** callout.

The select the  button (List/Editor) to open the **Annotations** toolwindow on the left side.

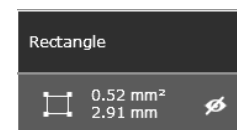


Use the  button to show or hide existing annotation

12.1 Annotation List

Use the  button to hide or show the Annotations list.

An annotation always consist of a Name Field (ROI) and the corresponding shape field.



The Name Field is editable and the shape field displays area and perimeter/length measurements of the shape
The **eye** symbol shows whether an annotation is currently invisible.

12.2 Create an annotation



To create a new annotation select the button and choose an annotation-shape from the callout list:



12.3 Annotation shapes

12.3.1 Rectangle



creates a rectangle with 4 handles at the corners to change the shape

12.3.2 Ellipse



creates an ellipse with 4 handles to change the shape

12.3.3 Closed Polygon



creates a pentagon with 5 handles to change the shape.



- Use the button to add handles to the polygon by clicking on the line in between 2 existing corner points.





- Select the button to remove handles by clicking on the active handle to remove it.

12.3.4 Polygon line



creates an open pentagon line.

- Use the  buttons to add corner point to the polygon by clicking on the line in between 2 existing corner points.
- Select the  button to remove corner points by clicking on the active handle to remove it.

12.3.5 Line



creates an arbitrary line with 2 handles

12.3.6 Point



creates a single point annotation  . The orange color cannot be changed

12.3.7 Text



creates an free text annotation

12.3.8 Mask



creates an arrow symbol with 4 handles to change the arrow style

12.4 Create an annotation Text

If you select a shape a popup window is displayed were you select

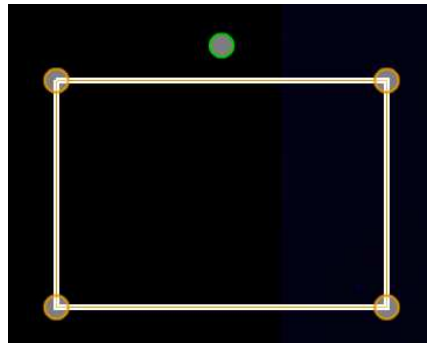
1. The permission: Use the dropdown icon to select from a list of permission sets. The permission set **Everyone** published the annotation to everyone. This means anybody can see or edit the annotation.
 - a. If you want to restrict access to certain annotation use a different permission set. The permission sets are configured on the *OLYMPUS Net Image Server* by the server administrator.
2. The name: By default the name of the shape is preselected. Change it by clicking inside the field to rename the annotation.
3. Free text field: Enter information about the annotation which will be displayed later if the annotation is displayed.



4. The author: This field cannot be changed as the author is added automatically by the system. The author name is always the login name used for the application.



Click on **create** to finally create the annotation of **cancel** to cancel your input.

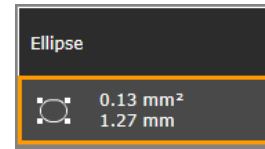
12.5 Change size of an annotation:



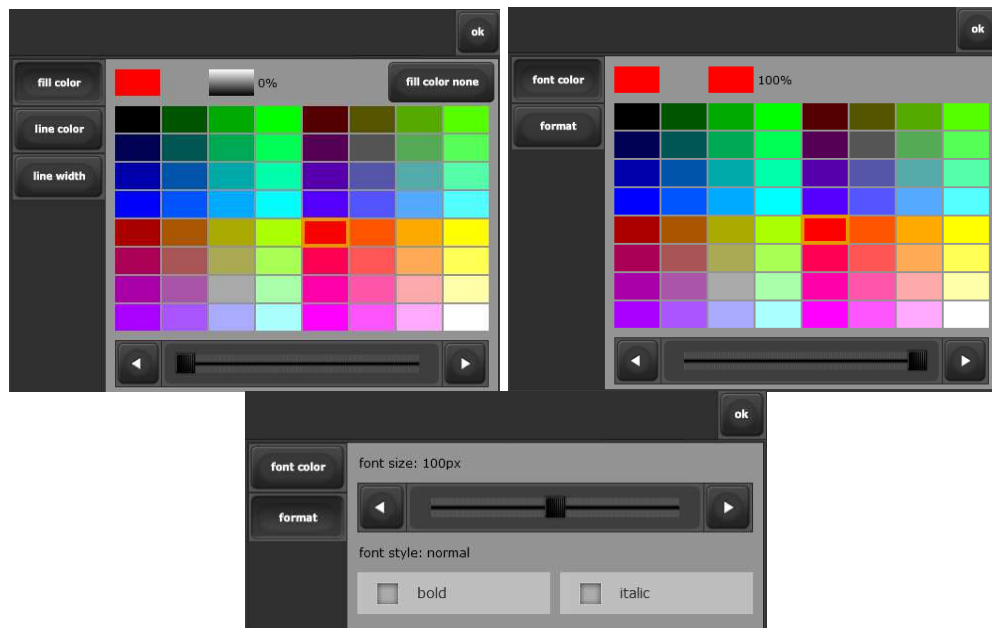
- Touch the  handle to change the corner point of a shape
- Tap and drag anywhere inside the orange frame of an annotation shape to move it to a different position
- Double click inside an annotation shape to activate it for adjustments
- Double click again to deactivate it
- Use the  handle to rotate the shape

12.6 Edit an annotation

Double click into the shape field of an annotation to select it.




Edit fill color, line color, transparency and line width as well as font color and format (font size, font style)




12.7 Jump to an annotation



Select the  button to directly jump to an annotation selected (orange frame) in the Annotations List. The same can be achieved by double clicking on the Name Field in the Annotations List.

12.8 Delete an annotation





Use the  button to delete an annotation. An annotation can only be deleted if it is active. You can activate an annotation by double clicking on the annotation inside the image navigator.

12.9 Edit annotation text


If a text was added when creating an annotation it is always visible at the bottom left of the image navigator.



- Select the  button to hide/show the text
- Select the  button to edit the text of the annotation

12.10 Save an annotation



If your user account has the permission to save annotations the  button is displayed. Click on it to save an annotation. Use it also to save changes.

12.11 Show/Hide annotations




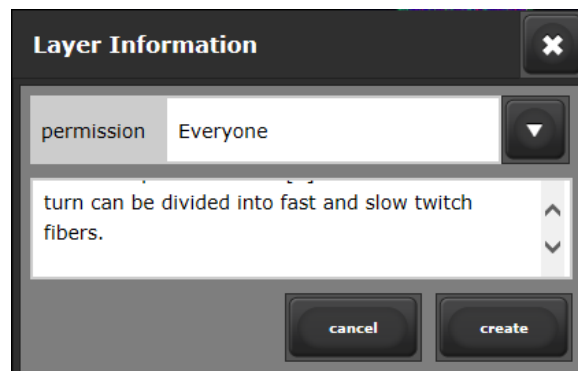
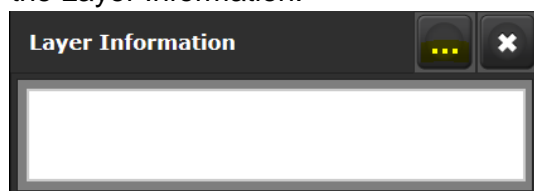
Use the  or  button to show or hide annotations

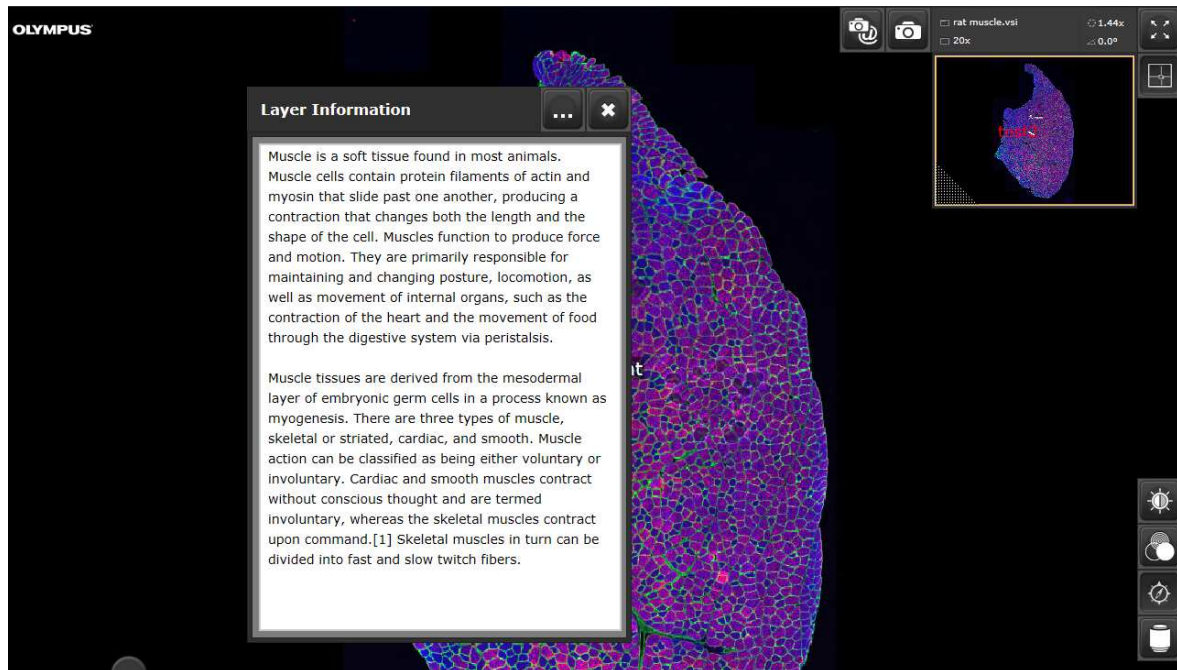
13 Layer Info


The Layer Info is a different annotation which can only contain formatted text.



Select the  button to open the Layer Information window. If you open it for the first time it is empty. Select the ... button to edit the text field. Click on create to save the Layer Information.





To close the Layer Information window click on the  button

14 Settings and Help



Use the  button to access the EULA information and the Help text.

