

Histology Assignments

ACCESSING THE HISTOLOGY MATERIAL

1. Open the Web browser (e.g. Internet Explorer) and type the following:
<http://digitalslidebox.ucd.ie>
(Note that there is no WWW)
2. Click on New User
3. Enter your first name and surname and e-mail address into the appropriate boxes
(If there is an apostrophe in your name you need to leave it out)
4. Type in the Activation Key which is PHYS20040 and click on Next
5. On completion of this page a new page appears
6. Enter your username which is your student ID
7. Create a password and confirm it

You will then have access to the PHYS20040 histology digital slides.

If you are an existing user (for example you have accessed the Digital Slidebox system in another module) you just need to add this module's folder to your account. You do this by clicking on Existing User with your username and password entered into the appropriate fields with PHYS20040 entered as the Activation Key.

Click on the slide you wish to explore and it will appear. You can navigate around the slide using the joystick at the bottom of the screen or by dragging the image across the screen using the mouse and left click button and you can zoom in and out by changing the magnification. There is a tool bar at the top of the page. One tool allows you to adjust the colour and brightness settings. There is a measuring tool which operates by a simple click and drag operation. You can generate a scale bar by means of the measuring tool.

The bottom line is that you must:

- 1. Capture some images**
- 2. Label them appropriately**
- 3. Describe the relevant structure and function of the tissues in question.**

IT WILL HELP YOU TREMENDOUSLY IF YOU REGISTER WITH THE DIGITAL SLIDEBOX PACKAGE, WHICH CONTAINS THE IMAGES FOR YOUR CAL WORK, IN ADVANCE OF THE FIRST PRACTICAL AND TO FAMILIARISE YOURSELF WITH THE VARIOUS FUNCTIONS.

HISTOLOGY ASSIGNMENTS

The CAL images are mainly histologically-prepared images and different histological stains highlight different tissue types with different colours. You are strongly advised to bring your Histology textbook with you to the CAL class to aid your interpretation of the displayed images.

For the CAL histology assessments, students are required to submit captured images of the relevant tissues. The images should be converted into labelled diagrams of the relevant structures, and include scale bars, information regarding magnification and the histological stain that was used. Each of the labelled diagrams should be followed by short descriptors that describe the essential features of the tissues in question. The demonstrators and

academic staff at the CAL classes will show you how the images can be obtained if necessary.

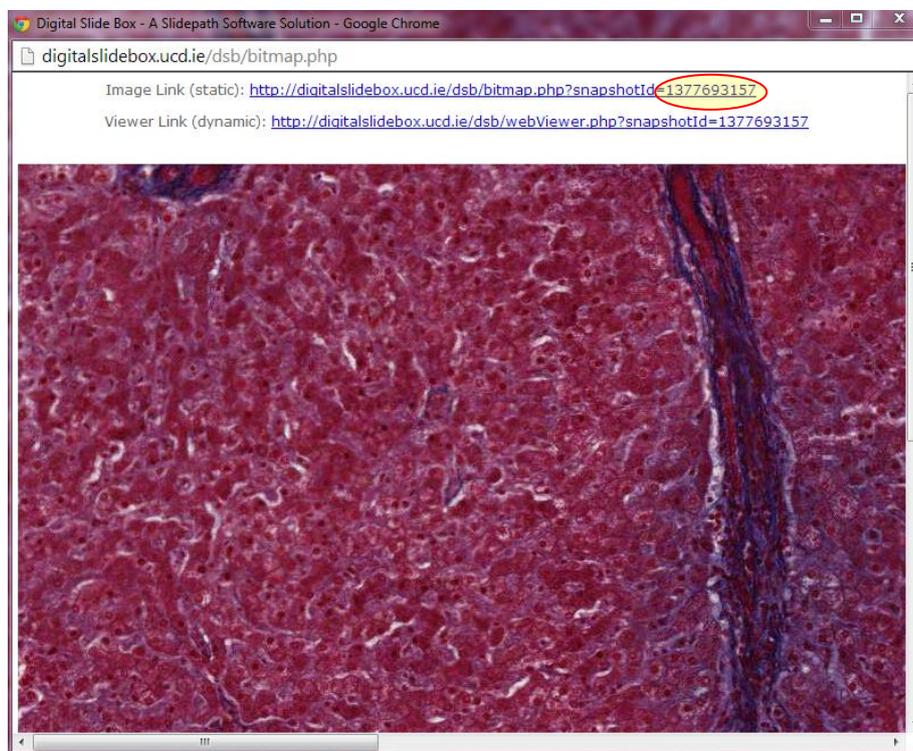
All submissions for PHYS20040 histology assignments must use the **PHYS20040 histology assignment submission template** found on Blackboard under the Assessment tab. **A separate form should be used for each submission.** All sections of the form must be completed. Any form incorrectly filled out will be considered an incomplete submission.

For labelled images, the original source for the image must be the images available on digitalslidebox.ucd.ie. Additional annotations (arrows, text etc.) can be added to the diagrams using image editing software or in Microsoft Word. Ensure that all labels and annotations are clear.

When you have identified a region in the image for inclusion in your submission, you must generate a snapshot of the image. To generate a snapshot, press the **take snapshot** button, found in the control panel at the top of the digitalslidebox window (camera icon, circled below).



Images may be cropped from these snapshots for inclusion with your submission, but each submission must be generated from unique snapshots. To ensure this, each submission must include the unique **image IDs** corresponding to each snapshot. This corresponds to the numeric code at the end of the URL (after “snapshotID=”, circled in the example below).



Completed assignments should be uploaded to Blackboard according to the following instructions:

Open the PHYS20040 site on Blackboard. Click on the Assessments tab in the menu on the left. You will see four Assessment folders, one for each of the four CAL topics (Connective Tissues, Nerve, Muscle and Blood Cells). Open the relevant folder and submit your assignment as an attached file.

Each assignment should be submitted before the stated deadline. ***Please note that they are hard deadlines*** and standard late penalties apply. A penalty of 2 grade points reduction will apply for each week (or part thereof) after the deadline (e.g. B- to C). Assignments submitted more than two weeks late will not be graded. Students are strongly encouraged to complete each of the practical write-ups as soon as possible after each practical and to not leave their efforts until late! This is especially important considering that the CAL assignments account for a significant percentage of the marks available for this module.

DEADLINES FOR SUBMISSION

Connective Tissues: 3pm Monday October 14th 2013

Nerves: 3pm Tuesday October 29th 2013

Muscle: 3pm Monday November 18th 2013

Blood cells: 3pm Monday December 2nd 2013

PLAGIARISM

The Module Information document for PHYS20040 addresses the issue of plagiarism. The School of Medicine and Medical Science Plagiarism policy document is available under the Assessments tab. Submission of your assignments to Blackboard will be taken to mean that you have read and understood that policy document and that your submissions represent your own work.