

Preparation for the interactive virtual pathology module neurooncology

Sebastian Brandner, January 2018

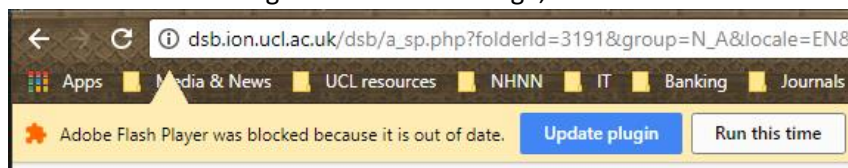
Dear course members,

During the interactive session “**brain tumours-neuropathology teaching course**” will use a web-based interactive virtual pathology teaching software. In order to prepare you for the login procedure, registration and navigation in the system, we would like to ask you to complete the following steps prior to the course.

During the course, you will need a laptop (PC or Mac), Internet connection and a browser. Please be advised, that we have previously seen that this software does not work from **tablets** with android or iOS. It does however work from all tablets with Windows 10, such as Windows Surface. It is important, that you test your computer and browser with this interactive software prior to the course. It will require installation of Adobe Flash player. There are however option to skip the installation of Adobe Flash, but you need to try it out

Browsers:

- The following browsers on Microsoft platforms work fine: Firefox, Internet Explorer 11 for Windows 7, Microsoft edge for Windows 10
- The Chrome browser gives an error message,



- This may work when pressing “run this time”.
- I have not tested the Safari browser but I believe it works fine

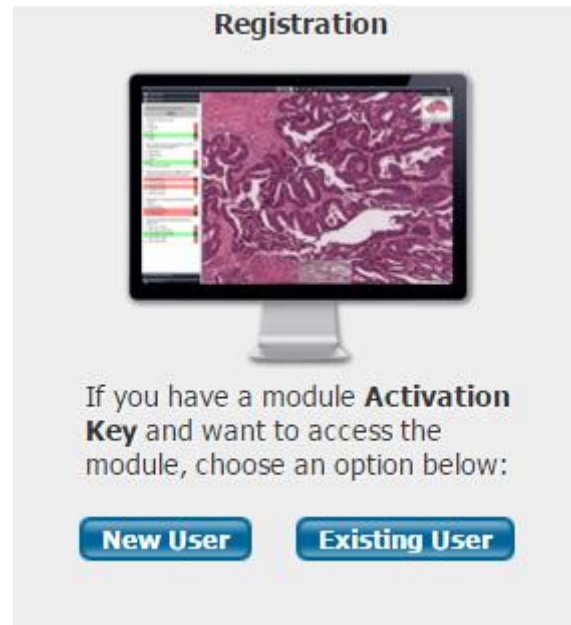
I strongly advise you to register on the system prior to the course (see below) and should you have any questions, please don't hesitate to email me (S.Brandner@UCL.ac.uk).

Please find below the instructions for the first time registration and how to access the virtual pathology content.

- 1) click on this hyperlink or copy and paste into your browser

<http://dsb.ion.ucl.ac.uk/dsb/login.php>

- 2) First, you will have to create an account on the system. Please go to the registration box and click on new user.



- 3) A new window will open.

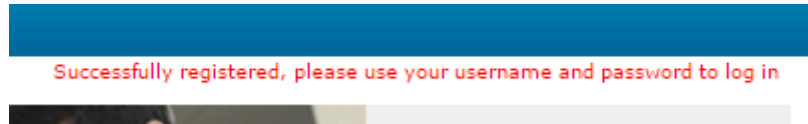
The image shows a registration form titled "Registration". It contains four input fields with labels: "First Name", "Surname", "Email Address", and "Activation Key". Below the fields are two blue buttons: "Next" and "Cancel".

- 4) Enter your first name, your surname and your email address into the fields. The email address is will be kept on the system and we will be able to email you in the future. The activation key is: **BTT** (brain tumour tutorial)
- 5) once you completed all fields please click "next"
- 6) on the following window, you can now choose any preferred username and any preferred password, which you have to enter into both password fields.

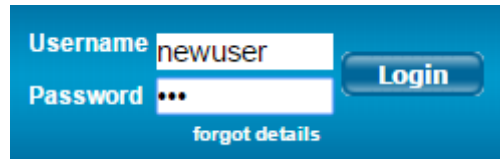
The image shows a registration form titled "Registration". It contains three input fields with labels: "Choose Username", "Choose Password", and "Confirm Password". Below the fields are two blue buttons: "Submit" and "Cancel".

- 7) There will be a small message


indicating that you have successfully registered.










- 8) Now go to the upper right field and enter your chosen username and your chosen password.

A login form with a blue background. It contains two input fields: "Username" with the text "newuser" and "Password" with three dots. To the right of the password field is a blue "Login" button. Below the password field is a link that says "forgot details".

9) This should lead you to the following window:



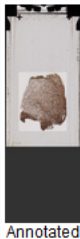



My Modules		
Icon	Name	Description
	Brain Tumour teaching course	Interactive teaching course on brain tumours: overview of the most common brain tumour entities with an introduction of the use of molecular biomarkers in the diagnosis of gliomas. The entities explained here are gliomas, ependymomas, schwannomas, meningiomas.

10) click on the folder and you should be able to see the following subfolders:

Content		
Icon	Name	Description
	Home	
	Gliomas	This module will show the typical histology of gliomas. In addition to the morphological appearance (histopathology) there will also be images of biomarkers that are used to define subclasses of these tumours. A schematic diagnostic algorithm will be part of this module.
	Low grade glial and glioneuronal tumours	This content covers the most common low-grade glioneuronal tumours, such as ganglioglioma, pleomorphic xanthoastrocytoma, sub-ependymal giant cell astrocytoma, dysembryoplastic neuroepithelial tumour (DNET) and the pilocytic astrocytoma
	Ependymomas	This module comprises different types of ependymomas and literature on the molecular classification of ependymal tumours
	Pineal tumours	
	Meningiomas	This module contains interactive content of meningiomas of different histological variants, and different histological grades, as well as an important differential diagnosis, the haemangiopericytoma. Further reading is also included.
	Schwannomas	The content of this module currently includes schwannomas only

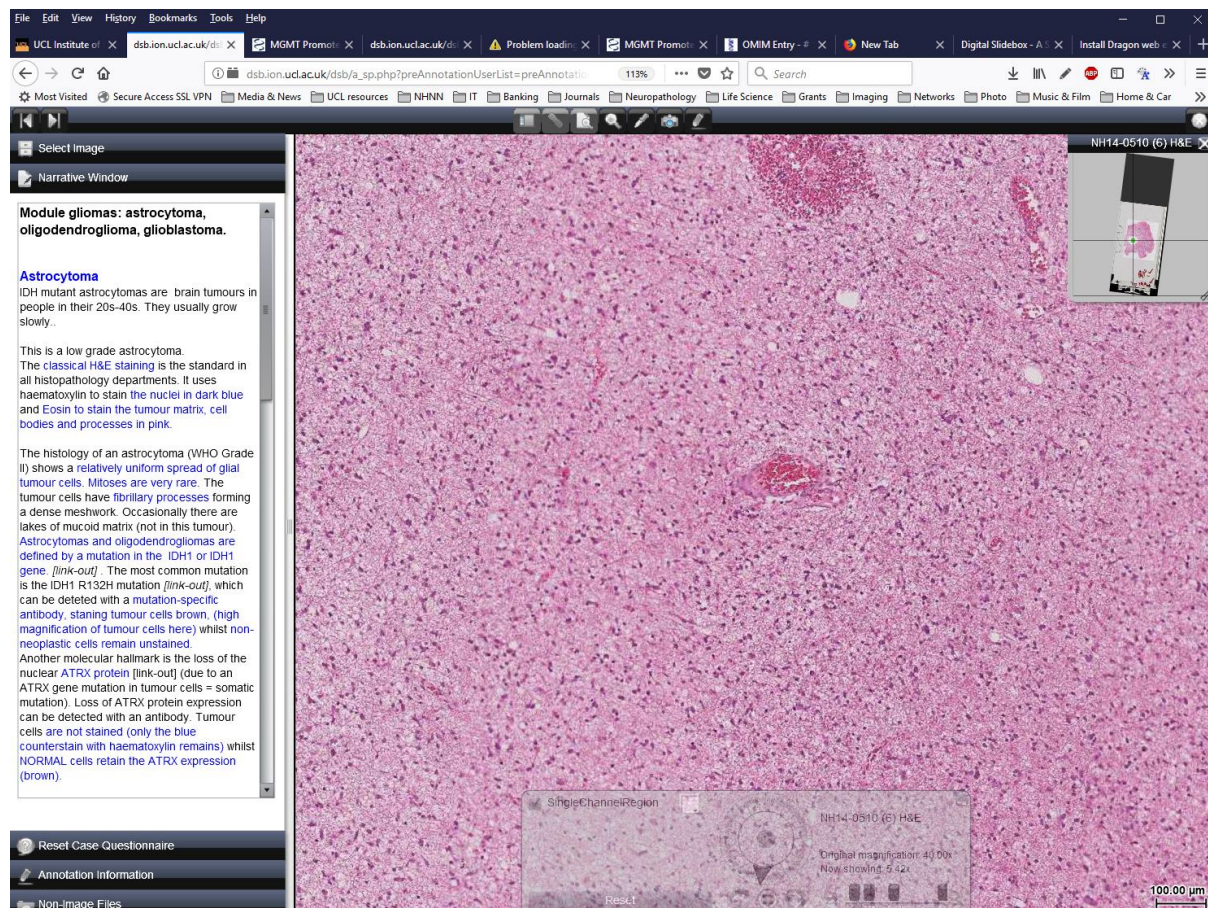
11) You will find subfolders for gliomas, low-grade glioneuronal tumours, ependymomas, meningiomas and schwannomas.

12) To start, click on the glioma folder. A series of slides appears.

Content		
Icon	Name	Description
	Brain Tumour te..	
	NH14-0510 (6) H&E	Astrocytoma IDH mut
	NH14-0510 (2) - Copy.scn	Leica SCN TIFF Image
	NH14-0510 (3) IDH1	Astrocytoma IDH mut
	NH14-0510 (5) ATRX	Astrocytoma IDH mut
	NH14-0510 (1) Ki67	Astrocytoma IDH mut

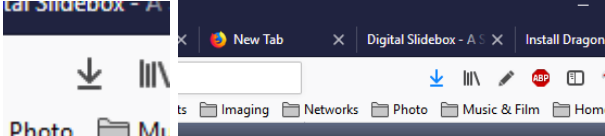
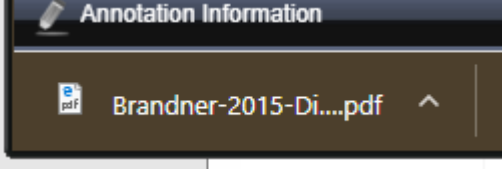
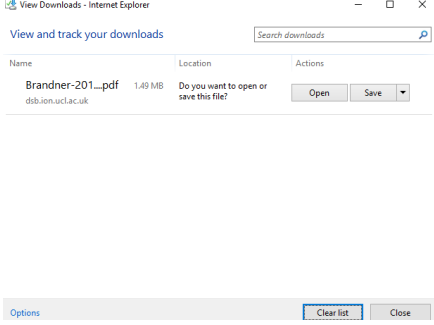
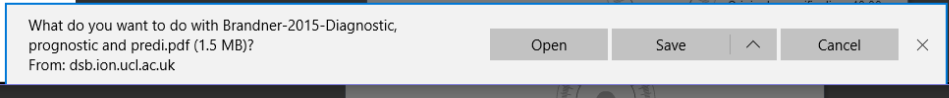
13) The next level leads you to a virtual slide, which you can click on.

14) This will lead you to an interactive histology slide with a narrative on the left panel. You can now navigate through this slide and use the controls to zoom in, zoom out and use the interactive text.



Further instructions:

- **General:** This is an interactive content. When you click on the left-hand side onto the interactive menu, you will find a number of hyperlinks, which lead to illustrations, literature for further reading, web content and importantly additional slides that you can navigate through.
- **Hyperlinks** to external sources open in a new tab. To navigate back to the histology view, simply go back to the previous tab. Your browser must allow opening new tabs.
- **Navigation controls:** Please also familiarise yourself with the navigation controls. On most computers zooming is possible with the mouse, alternatively with the <CTRL> key for zooming out, and the <SHIFT> key for zooming in (Equivalent keys for Mac). On the bottom of the field there is a control window which allows you to rotate the content.
- **How to get back to default view?** You can always go back to the default view (intended for best viewing of a certain feature) by going to the panel on the left and this will reset the view.
- **Further reading and other downloadable material:** Some of the hyperlinks point to a new document (e.g. PDF file). This will in most browsers create a question whether to download or to open in browser, or automatically download/open, depending on the browser default settings (see below).

Browser	Location of download
Firefox	 <p>On the top right of the browser bar. Once the file is downloaded, the arrow turns blue</p>
Chrome	 <p>Bottom left of the browser window</p>
Internet Explorer	 <p>Pop-up window opens</p>
Microsoft edge	 <p>A pop-up window opens on the bottom of the browser</p>