Remote access to Minerva

General description:
This will allow you to access the full power of the Minerva workstation, by using your computer to control Minerva remotely. You will be using Minerva as if you were sitting in front of it. You will have access to the MSL (or your own lab’s) network.

Limitations:
- This is only possible for UNC employees that have VPN access to the UNC network
- Only one user can do this at a time. You must use the iLab calendaring and kiosk system.

Requirements:
- Obtain and install VPN on your computer. This tool will allow you to access the UNC network remotely.
- Use Remote Desktop on your computer. This tool allows you to control the Minerva workstation from your computer. NOTE: You do not need to find the IP address, and the login credentials are different from the instructions online; I provide the necessary information below.

Procedure:
1. Make a booking on the MSL iLab calendar, as usual:
2. When it is time for your session to start, use the kiosk website to initiate your session:
3. Connect to UNC’s VPN using your computer
4. Use remote desktop access to connect to Minerva. Credentials:
   - IP Address: 152.19.35.142
   - User name: Minerva (do NOT use AD or your ONYEN)
   - Password: MSL staff will provide this
5. Logon to the MSL server if you need data that is there. Alternatively, log on to your lab’s server, using the appropriate address.
6. Copy your data to D:\User data\[your name] on Minerva. Skipping this step will slow down your analysis and can lead to computer crashes. Data in your folder will be deleted after two weeks. Any data placed on the desktop will be deleted without notice.
7. Once you are done with your image analysis:
   a. Make sure that when/if you close Imaris you do NOT leave it in colocalization mode.
   b. Close all open software and windows.
   c. Copy any new data or analysis results to the MSL (or your lab’s) server, if applicable.
   d. Logout of the MSL or your lab’s server, if applicable
   e. Logout of Minerva. Do NOT shut down Minerva.
8. Logout of your remote desktop connection to Minerva.
9. Use the iLab kiosk to end your session.

Support:
I cannot help you figure out VPN or Remote Desktop. Please contact UNC School of Medicine IT help if you run into problems with those general computing procedures. For what it’s worth, I’ve tested a connection to Minerva from my house with a Windows 10 and a Mac OS X laptop, and both Imaris and Autoquant worked as expected, even with large data sets and demanding tasks.

If you run into problems once you are logged onto Minerva, please email Pablo a detailed description of the problem and screenshots if possible; I will do my best to figure out and debug issues.