

Installation of SSL certificates on OSX for use with MBF-Biolucida Viewer and LRZ-Histologia Server

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Certificates are used to securely encrypt the internet traffic between server and end user.

This document describes how to install and use the certificates on OSX operating systems (including osx "Catalina").

It is intended only for use in teaching with the LRZ-Histologia server. It should only be used by LMUstudents and academic teachers.



1. Download of certificate files

- 2. Installation on OSX operating system (iMac or compatible). Administrator privileges are necessary.
- 3. Installation of MBF-biolucida viewer





1. Open safari browser

2. Go to the following page:

https://pki.pca.dfn.de/dfn-ca-global-g2/cgi-bin/pub/pki?cmd=getStaticPage;name=index;id=2&RA_ID=3230

3. Download the two certificates marked with red arrows in the following picture

4. Then close Safari browser



https://pki.pca.dfn.de/dfn-ca-global-g2/cgi-bin/pub/pki?cmd=getStaticPage;name=index;id=2&RA_ID=3230		🗖 🔂 🔍 Suchen			
Leibniz- der Bayerischen	Leibniz-Rechenzentrum der Bayerischen Akademie der Wissenschaften		deutsches forschungsnetz		
Zertifikate CA-Zert Wurzelzertifikat	ifikate Gesperrte Zertifikat DFN-PCA-Zertifikat DI	e Policies Hilfe Beenden FN-CA Global G2 Zertifikat	Zertifikatkette anzeiger	n	
Hier können Sie das Wurzelzertifikat, das • Wählen Sie "Wurzelzertifikat", "DFN-PCA-Zertifikat" bzw. '	Schnittstelle für Nutzer DFN-PCA-Zertifikat und das C DFN-CA Global G2-Zertifikat	und Administratoren - CA- CA-Zertifikat in Ihrem Browser ' um das jeweilige Zertifikat in	Zertifikate installieren oder alle Zert Ihrem Browser zu installi	ifikate in einer Datei speichern eren.	le:
Wählen Sie "Zertifikatkette anzeigen", wenn Sie die Zertifi	kate in einer Datei speichern	möchten (PEM-Format).			
	Kontaktinformationen f	für Rückfragen finden Sie unte	"Hilfe".		
				Im	pressum Datenso





1. Go to downloads and drag the two certificate files to the desktop.





2. Open one after another and integrate them into the

keychain



You will be asked to login as administrator (your accountname will be different) and you will have to enter your password. Depending on security level this may happen even twice.



2. Make sure that the certificate is integrated in the 'system' category.

Schlüsselbunde Anmeldung Lokale Objekte System System System-Roots	/	/Active Directory/ADS Art: Programmpasswort Account: Immeana-a187\$ Ort: /Active Directory/ADS Geändert: Gestern, 14:16				
	Name		Art	Geändert	Verfällt	Schlüsselbu
	/Active I	Directory/ADS	Programmpasswort	Gestern, 14:16		System
	com.ap	ole.kerberos.kdc	Zertifikat		09.05.2040, 14:53:26	System
	@ com.app	ole.kerberos.kdc	Öffentlicher Schlüssel			System
	@ com.app	ole.kerberos.kdc	Privater Schlüssel			System
	🖂 com.app	ole.systemdefault	Zertifikat		09.05.2040, 14:53:25	System
	<pre>@ com.ap;</pre>	ole.systemdefault	Öffentlicher Schlüssel			System
	<pre>@ com.ap;</pre>	ole.systemdefault	Privater Schlüssel			System
	DFN-Ve	rein Certification Authority 2	Zertifikat		23.02.2031, 00:59:59	System
	DFN-Ve	rein Global Issuing CA	Zertifikat		23.02.2031, 00:59:59	System
Kategorie						
Alle Objekte						
. Passwörter						
Sichere Notizen						
Meine Zertifikate						
Soblüssel						
2ertifikate						





3. Close keychain.







4. Open Biolucida viewer (if already installed).





5. Check connection. Login data have been sent with previous mails to authorized users.



7. Recognize the specific features of a spinal ganglion using focus and magnification tools.





- In case you have not yet downloaded and installed MBF-Biolucida viewer, use Safari and go to: <u>https://VM-138-246-234-196.cloud.mwn.de</u>
- 2. Enter Login data (User: Student and password)
- 3. Open Slide and download Biolucida viewer

