FlowJo FROM YOUR COMPUTER USING FLOATING LICENSE

1) Firstly, **book** your working time **in** <u>https://imcf-booking.biocev.org/</u> (slot in "FlowJo floating licence" calendar).

2) If you use computer connected via LAN cable or VPN PORTAL to the BIOCEV network, continue to step 8. **Otherwise**, for connecting to the VPN PORTAL it's necessary to **login in this link** <u>https://vpnportal.biocev.org/remote/login?lang=en</u>.

3) Then click on **Download FortiClient** and **choose** from proposed options (iOS, Android, Windows, Mac).

2)						
1		Launch FortiClient	Download FortiClient •			
			🗯 iOS			
	burar	Bookmarks	🐥 Android			
			Windows			
	•••••		🗯 Mac			
	Login					
		intranet.biocev.org	phonebook.biocev.org			
	Launch FortiClient					
		C Quick Connection	+ New Bookmark			

4) After you download FortiClient, install it just by running the downloaded file (accept the terms and press on the next and finish button like in common instalation of programmes).

5) After you install FortiClient, there should be its desktop shortcut. Open it, accept the conditions and **configure VPN**: Name the connection **BIOCEV**, name the remote gateway **vpnportal.biocev.org** and **save it**.

FortiClient							-			×
Soubor Nápověda										
FortiClier	nt VPN					ñ	٠	•	i	
Upgrade to the full version to	access additional features	and receive technical supp	ort.							
	Nové připojení	VPN								
	VPN	SSL-VPN	IPsec VPN	XML]					
	Jméno připojení	BIOCEV]					
	Popis									
	Vzdálená brána	vpnportal.biocev.org	inu		×					
	Klientský certifikát Autentizace	Přizpůsobit port Enable Single Sigr Žádný Vyzvat k přihlášen Enable Dual-stack Zrušit	443 a On (SSO) for VPN Tuni (Uložit přihlášení « IPv4/IPv6 address Uložit	nel 🗸]					

6) Finally, sign in. Now, you should be connected to BIOCEV server using VPN PORTAL.

FortiClient Soubor Nápověda	- 🗆 X	SUCCESSFUL CON	NNECTION TO VPN
FortiClient VPN	# \$ 0 6 A		E S
Upgrade to the full version to access additional features and receive technical su Năzev VPN Jinéno uživatele Hesio Přijt	pport	Název VPN IP adresa Jméno uživatele Doba trvání Přijaté byty Odeslané byty	BIOCEV 10.211.16.2 burar 00:00:25 1.37 KB 54.48 KB

7) To connect to FlowJo license from home (and not just from your BIOCEV office) – please **use the connection to BIOCEV server through FortiClient** first. Users outside Faculty of Science, BIOCEV, must ask IMCF staff (dalibor.panek@natur.cuni.cz) for access to RDC and VNC services. Please provide your BIOCEV user name for access via VPN and/or IP address for direct access from computers at BIOCEV.

8) The installation file (as a zip file = needs to be extracted) of SEH UTN Manager can be downloaded from seh-technology.com in Tools section. Proceed with all steps in the installation. Choose Complete installation type and desired install location (pre-filled location is desirable).



9) After installation is completed, open SEH UTN Manager. You must add the dongle server to your selection of licenses to activate. When the selection is empty a window pops up to notify you about empty selection list and guide you to add devices and UTN (dongle) servers, **press Yes**. **If not**, then the editor of selections can be accessed by **pressing Edit in the left-side bar in Selection List section**.



(a) Pop-up window.

Administrator: SEH UTN Manager 3.2.2		_		\times
Program Selection List UTN server Port Help				
UTN Manager			SE	H
C Selection List 3				1
Refresh UTN Server/Device Status	Properties			
Edit				
Bort				
Activate				
Deactivate				
< >				
Starting refresh				

(b) Clink on Edit to enter Selection List editor.

10) In the Editor **click on Options** in the left-side bar (in the Network section. **In IP Range Search, click on the plus sign** (at the bottom) to add IP address range, where the server is located. **Add IP Range** as follows: **10.44.0.0 - 10.44.0.56. Press Ok.**

Put together a select	ion list with your preferred devices.	
Network List Scan Options	Selection List	
Add >	Remove	

(a) Click on Options.

Options				? ×
Network Scan	Program	Automatisms	Selection List	
Depending on yo parameters for s	ur network st canning the n	ructure, you can o etwork.	lefine different se	earch
Multicast Sea	arch			
Local network	interfaces			^
10 211 16	2			
169 254 69	212			
169 254 24	12 221			
169.254.21	8.53			
169.254.10)7.34			
192 168 1 3	233			\sim
IP Range Sea	arch			
IP ranges				
10.44.0.0 -	10.44.0.56			
			~	
		\searrow		
		\sim		
			C	ф <u>–</u>
		\mathbf{C}	ок	Cancel

(b) Add IP range to scan.

11) **Click on Scan** in the left-side bar (in the Network section). When device **uma.biocev.org (10.44.0.55)** is added to the Network list, **choose the device** (click on it) and **press Add** under Network List section. The device/UTN server should be in the Selection List. **Press Ok.** The dongle (UTN) server is added and the licenses are accessible.

	Put together a selection list with	your preferred devices.	
Scan Options	Net Set List Carl Zeiss LSA Mode Zetra (Port 1) NIS Elements N-SIM N-STORM (Port 2) NIS Elements AI (Port 4) FlowJo (Port 5) Leica LAS X (Polt 6) Leica LAS X ? (Port 8)	Selection List	
	Add >	Remove	



12) In UTN manager, activate "FlowJo – floating" dongle.

	🎡 Administrator: SEH	UTN Manager 3.3.8			— [
ļ	Program Selection List	t <u>U</u> TN server P <u>o</u> rt <u>H</u> elp				
	UTN Mai	nager				SEH
	Selection List	UTN Server/Device	Status	Properties		^
	Kerresn	🗙 😑 uma.biocev.org (10.44.0.55)		Port name	FlowJo - Floating	
	Edit	> Carl Zeiss LSM880 ZEN (Port 1)	Available	Port number	5	
	Port	> FlowJo - Floating (Port 5)	Available	Port status	Available	
	Activate	Leica LAS X (Port 6)	Occupied by User	Additional feature	s	
	Deactivate			Encryption	Off	
	Deaterrate			Automatisms		×
13) Status "	Activated" will a	ippear.				.:
	🎡 Administrator: SI	EH UTN Manager 3.3.8			- 🗆	×
	Program Selection	List <u>U</u> TN server P <u>o</u> rt <u>H</u> elp				
	UTN Ma	anager				SEH
	Selection List	UTN Server/Device	Status	Properties		^
	Edit	🗙 📼 uma.biocev.org (10.44.0.55)		Port name	lowJo - Floating	
	Luit	Carl Zeiss LSM880 ZEN (Port 1)	Available	Port number 5	; ;	
	Port	FlowJo - Floating (Port 5)	Activated	Port status	Activated	
	Activate	Leica LAS X (Port 6)	Occupied by User	Additional features		
	Deactivate			Encryption (זוכ	
				Automatisms		•

14) **Download and install FlowJo** from <u>https://www.flowjo.com/solutions/flowjo/downloads.</u> When asked for license during the opening installed FlowJo, please **choose "Use the hardware-based licence"** option.

15) After finishing your work, please don't forget to **deactivate FlowJo dongle in UTN manager**, otherwise other users cannot reach it – **THIS IS REALLY IMPORTANT!**

😪 Administrator: SEH UTN Manager 3.3.8 —							
Program Selection List UTN server Port Help							
UTN Manager S							
Selection List	UTN Server/Device Status	Properties		^			
	🕶 📼 uma.biocev.org (10.44.0.55)	Port name	FlowJo - Floating				
Edit	> Carl Zeiss LSM880 ZEN (Port 1) Available	Port number	5				
Port	> FlowJo - Floating (Port 5) Activated	Port status	Activated				
Activate	Leica LAS X (Port 6) Occupied	by User Additional feature	25				
Depativate		Encryption	Off				
Deactivate		Automatisms		¥			