A403 room 2025. Riga Stradiņ's University Department of human Physiology and Biochemistry

Parallels Desktop for Mac; Run Windows on Mac without rebooting
Run Windows apps on Mac with Intel or Silicon Apple M1 chip
Move and share content between Mac and Windows Optimized for Windows 10 and macOS in a virtual machine for Mac Includes Parallels Toolbox

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Run Windows on Mac without rebooting
Run Windows apps on Mac with Intel chip and separate with Apple M1 chip
Move and share content between Mac and Windows
Optimized for Windows 10 and macOS Develop and test across multiple OSs in a virtual machine for Mac
Includes Parallels Toolbox – over 30 one-touch tools for Mac and PC 14 days for free trial.
1. download and install Parallels Desktop for Mac
2. download and install Windows 10 ISO disk with x86 for: Mac OS 1 AMD64/Intel chip
virtualization product at home. Mac OS 2 M1 chip virtualization product at home.
Install Windows avoid cod input "skip code". Offered Activate Windows **do not Activate**!
Windows right down corner suggests Activate Windows **do not Activate**!
2. Download and install Microsoft Windows which is useful x86 1 AMD64/Intel and Apple 2 M1 chip
virtualization product at home. Install Win 10 avoid code input "skip code".
Windows Offered Activate Windows Do Not Activate! Do Not lunch EDG browser too!
Use MacOS Safari or GoogleChrome browser for MacOS!
3. Download and install in 14 days on trial: Chem scape applications: FirefoxSetup3.5.5.exe, MAGE.
draw24.exe, AN2000.exe, rw32b2a.exe, et.c:

Download VirtualBox_VMs25 completely free ORACLE product for all platform computers:
for Windows-host25,
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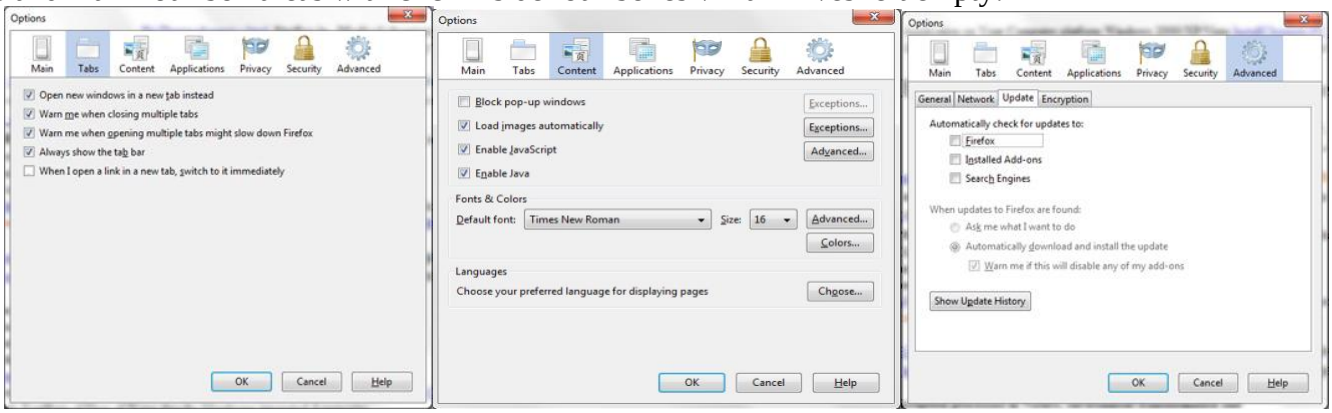
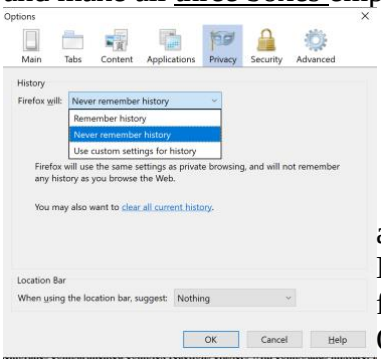
Lunch the VirtualBox downloaded file and install free windows 10 application for VirtualBox using iso disk image http://aris.gusc.lv/InstallHTdocs/PC/VirtualBox_VMs25/Win10_21H1_English_x64.iso.
Give free disk space for VirtualBox 15 GB size as minimum.
Give the folder name Studentiem inside created folder VirtualBox_VMs .
Folder Studentiem contains four files
two disk images Studentiem.vbox and Studentiem.vdi ;
two files Logs and Studentiem.vbox-prev .
Password: student
logging in Windows 10
Enjoy the experimental research instruments for Biochemistry.
Parole: student
ielogojoties Windows 10
Izbaudiet eksperimentālos pētījumu instrumentus bioķīmijā.

3. Download and install on your computer browser FireFox FirefoxSetup3.5.5.exe wich have the Status Bar Output Information for Windows . After installation of browser FireFox of lunched application v.3.5.5 to denied Internet Explorer browser suggestions and certain set up FireFox as default for FireFox 3.5.5 HTML and HTM file viewer FirefoxSetup3.5.5.exe

After installation of browser FireFox you need open in menu the **Tools** in which choose **Options2** : at first use **Tabs** and mark four box areas with click inside four boxes v mark fives left empty:



FireFox; Installed Add-ons; Search Engines in menu in which choose **Options3** next to **Content** chose **Block pop-up windows** and in box areas with click inside box remove **v** mark and leave empty. In menu the **Tools** in which choose **Options7** next to **Advanced** chose **Updates** and in all areas with click three boxes remove **v** mark and make all three boxes empty. Options 5 ‘’Never remember history” for safe browsing Home page:.



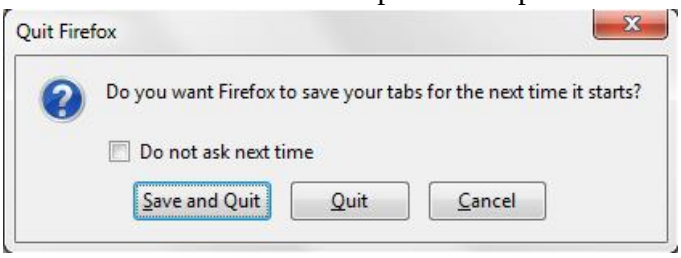
http://aris.gusc.lv/index.htm

For Internet browsing would be suggested Google Chrome with installed Jmol java application. Not recommended Internet Explorer or EDGe for internet browsing for Mac OS platforms. .

2. Next You need **Chim** plugins. Chime tools and related original applications put five copies (chime.html, chime26.isu, ChimeShim.dll, npchime.dll, NPCHIME.ZIP) into plugins folders of Mozilla Firefox folder in Program Files folder for 32bit addressing usually on disc C:.

Open installed browser FireFox and lunch http://aris.gusc.lv/ . Open in menu the **Tools** in wich choose **Options1** : **Main** and push the button Use Current Pages for "Show may home page". Close the **Tools** "OK" See on first tab window "http://aris.gusc.lv/index.html".

To keep saved Experimental Research studies with FireFox 3.3.5 on menu Quit Firefox use



Save and Quit do not work with Options 5 Pryvacy‘ ’Never remember history”

If you choose button Save and Quit, than next opening will start from tab settings what Quit before!

Not working with option 5 ‘’Never remember history”

Enjoy the Chemistry Research Studies!

Options 5 ‘’Never remember history”

3. MAGE application Experimental research of **3D molecules**

Download: MAGE unzip and copy in Program Files (x86) and lunch app;ication.

Is for 3D molecules research, editing, design and proposed for exact studies, teaching , learning, studies and investigation of molecular coordinate files with suffixes _.kin. In Protein Science Journal V1_kins to V5_kins ground application since 1990.Year up to 1996.Year volumes of issues and National Protein Data Bank official application since 1990. to 2004.Year. Dounload application http://aris.gusc.lv/InstallHTdocs/PC/Mage54635/MAGE_5_4.ZIP in folder Program Files.

Download in folder Program Files 32bit addressing and use application MAGE.exe.

4. ISIS Draw - Integrated Scientific Information System

ISIS Draw 2.4 is One perfect stand alone integrated scientific tool in Word2003, Exel2003, PowerPoint2003 and ChemScape Plugins in FireFox3.5.5 molecule viewer for editing, design and proposed for exact studies and investigations as well teaching and learning of molecular coordinate files with suffixes _.mol, _.skc, _.tgf, _.rnx, _pdb, _kin. In Protein Science Journal V1_kins to V5_kins ground application since 1990.Year up to 1996.Year volumes of issues and National Protein Data Bank official application since 1990. to 2004.Year USA, Europe, Japan so on at all Universities of World.

Download and install the self extracting installation program draw24.exe for ISIS Draw 2.4 version together with auto nomenclature tool AN2000.exe.zip which may call given molecular structure according JUPAC nomenclature.

Download user guides for its use pdf format drawuse_nw.pdf for ISIS Draw 2.4 version and Help file for ISIS Draw 2.5 help25.exe together with auto nomenclature tool autonom2000_lic.pdf which help you to install and use programs.

RasWin applications for 3D interactive viewing molecular coordinates.

Is provided for 3D molecule view, editing, design and proposed for exact studies and investigations as well as teaching and learning of molecular coordinate files with suffixes _pdb, _.ent, _.xyz, _.cif, _.mol, _kin. Download and put in Program Files folder ISIS Draw 2.4 the rw32b2a.exe (version 2.6 Raswin.exe) and rename as copy the name Raswin.exe (version 2.5 Raswin.exe) and put in trash old 2.5 version application Raswin.exe and paste the name Raswin.exe on the newer downloaded file rw32b2a.exe (version 2.6 Raswin.exe). Put on desktop shortcut Raswin.exe, because from PDB applications double clic not allways runnig properly, but applications.pdb lunches after dropping of application PDB file on Raswin.exe shortcut on desktop very well. Download user guides for its use Help file for RasWin RASWIN.HLP and RasMol 2.6 command reference card refcard.pdf and RasMol tutorials pages RasTut.html , TutFiles.html .

Three Protein Science KINEMAGE applications :
1MBODeOxyLopez.kin; 2HCOProTour8.kin; CarbonicAnhy.kin
From home page: http://aris.gusc.lv/ to download three Protein Science KINEMAGE applications:

1.

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David Richardson, Celia Bonaventura, un Jane Richardson Protein Science vol.3.Oct.1994.
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3.

Therd option to open **Chemistry_Research** Biochemistry and Bio-Medical Sciences Chemistry_Research.html:
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