Software for new Win installs

FosterLab OSU

(This is a partial list of software/environments used in the FosterLab for structural biology pursuits. As of April 2023. MPF)

Package managers and environments:

Miniconda 2 https://conda.io/docs/user-guide/install

General

Slack https://slack.com/downloads/windows [Communication between lab members]
ChemDraw https://uglabs.cbc.osu.edu/chemdraw/ [license is updated regularly]
Illustrator https://osuitsm.service-now.com/selfservice/ [For vector drawings]
Inkscape https://inkscape.org/ [Like Illustrator, but free]
CyberDuck https://cyberduck.io/ [for fetching NMR Data]
Code42 Crashplan [OSU Self-Service - comes with standard build] - connect to foster.281 acc.
MS Office [OSU Self-Service - comes with standard build]
MS OneDrive, Teams [OSU Self-Service - comes with standard build]
Adobe Creative Cloud [OSU Self-Service - comes with standard build]
Zotero https://www.zotero.org/ [reference manager]

NMR Related

NMRFx (Processor, Analyst, View) https://nmrfx.org/
NMRViewJ https://nmrfx.org/downloads/viewer [Analyst, View]
NMRBox https://www.nmrbox.org/ [make account]
VNCViewer https://www.realvnc.com/en/connect/download/viewer/ [For running NMRBOX]
TopSpin from Bruker [NMR analysis and viewing]
CCPNMR https://ccpn.ac.uk/
POKY (SPARKY) https://sites.google.com/view/pokynmr
MNovaNMR https://uglabs.cbc.osu.edu/mnova/
WinHydropro/HydroNMR http://leonardo.inf.um.es/macromol/programs/programs.htm
[hydrodynamic modeling of proteins]

Molecular Biology

Serial Cloner http://serialbasics.free.fr/Serial_Cloner-Download.html [for dna sequence analysis]
Snapgene Viewer https://www.snapgene.com/snapgene-viewer/ [for dna sequence analysis]
PyMol Academic License [molecular visualization]

ChimeraX https://www.cgl.ucsf.edu/chimerax/ [molecular visualization]
CCP4 Program suite, including COOT http://www.ccp4.ac.uk/download/index.php#os=windows
VMD https://www.ks.uiuc.edu/Research/vmd/

Data Analysis

CHASM http://lewis.chemistry.msstate.edu/download.html [Matlab program for fitting ITC data]
Origin [Available from CBC]
PYTC https://github.com/harmslab/pytc
GUSSI http://biophysics.swmed.edu/MBR/software.html
NITPIC http://biophysics.swmed.edu/MBR/software.html
SEDPHAT http://www.analyticalultracentrifugation.com/sedphat/
MATLAB https://ocio.osu.edu/software/directory/slmac
Veusz https://veusz.github.io/ [multi-platform WYSIWYG plotting software]
XMGRACE/QTGRACE https://sourceforge.net/projects/qtgrace/ [graphing and fitting software]
gnuplot http://www.gnuplot.info/ [basic graphing and plotting software]

Mass Spec Related:

mMass http://www.mmass.org/download/ [MALDI data analysis]
Unidec https://github.com/michaelmarty/UniDec/releases [General MS data analysis]

For mobile/laptops:

Cisco AnyConnect https://ocio.osu.edu/software/directory/slmac [allows remote connections]
TeamViewer https://www.teamviewer.com/en-us/ [allows remote desktop connections]