

Software Installation for 2014 In Silico Workshop

DOWNLOAD VIRTUAL BOX*, THE 2015 SEA VIRTUAL MACHINE AND DNA MASTER. The SEA VIRTUAL MACHINE download is a 3GB file, so downloading it will take some time. Make sure you have an uninterrupted connection. *Virtual Box is free emulation software from Oracle. You may substitute Virtual Box with Parallels (Mac), VMware Fusion (Mac) or VMware Player (PC) but not all of these options are free. Use Virtual Box for best technical support.

Before you arrive at the workshop:

- Read this Page (<http://www.hhmi.org/seawiki/display/WIKINAV/In+Silico+Resources/>).

It contains all of the resources you need for installing software for the In Silico portion of the course. Download the DNA Master User Guide and look through it!

- Download, Install, Update and test DNA Master on a Windows Platform (XP, 7, 8 or 8.1):

The installation guides for DNA Master are under the “Software Guides” header at (<http://phagesdb.org/documents/>). Open DNA Master and make sure no errors appear. Update the program under Help → Update DNA Master.

If you have a Mac, you need to obtain a Windows Virtual Machine (and license) from your home institution. Install the Windows Virtual Machine into Virtual Box, and then install the free program DNA Master.

- Use the DNA Master Quick Start guide (http://phagesdb.org/media/workflow/protocols/pdfs/DNA_Master_QuickStart_Guide_6.2013_PDF_1.pdf) to auto annotate Echild with DNA Master. The sequence file can be found here

(<http://phagesdb.org/media/fastas/Echild.fasta>). A successful auto-annotation means the program is installed correctly.

- Download and Install the 2015 SEA Virtual Machine into Virtual Box:

The SEA Virtual Machine (VM) is a pre-built VM containing extra tools for annotation and genome finishing. Follow instructions posted at (<http://www.hhmi.org/seawiki/display/WIKINAV/Consed+and+Phamator+Virtual+Machine+Installation/>).

Start the VM once installed.

Limited support will be available at the workshop for issues experienced installing the software. If you experience any difficulties in downloading and installing the software that cannot be solved by your IT department or if you anticipate needing to borrow an HHMI laptop, please email us ASAP at sea@hhmi.org before the workshop.