## **Downloading Your Data**

 Harvard Workshop on Microbial Genomics 2016

## You'll Need to Have Filezilla Installed on Your PC

Go to <a href="https://filezilla-project.org/download.php?show\_all=1">https://filezilla-project.org/download.php?show\_all=1</a>

Download the appropriate version for your computer

Install the software and open

Other similar software exisits - WinSCP (Windows only) and Fugu (OS X only)

	FileZilla						
/	Hest:	e: Daceword:	Port: Ouickor				
Click on the "New							
Session"	Filename	Filesize Filetype	Last modified	Remote site:			
icon in the top left hand corner	 Blobsplorer CGEBMP99A Cesky_2016 Dundee_SpikeNorm EBI_Workshop Exeter_Work Gen_Sci_16 George_Maxwell Microsoft User Data MinION_Workshop Post_doc_endnote.Data Stacks Steph python_for_biologists_bundle .DS_Store Jocalized	Directory Directory	18/03/2015 09:20:01 09/12/2016 10:12:24 24/11/2016 06:01:21 29/11/2016 05:15:34 11/12/2016 05:15:34 11/12/2016 05:37:31 23/09/2016 06:20:48 18/06/2015 05:51:05 22/11/2016 12:15:24 11/11/2015 04:08:09 27/07/2016 06:00:12 01/06/2016 05:30:58 02/05/2016 09:02:27 07/12/2016 04:39:24 18/06/2015 05:49:41	Filename A	Filesize Filetype	Last modified	
	51 files and 14 directories. Total size: 11,477,4	408,295 bytes		Not connected.			
	Server/Local file		Di	rection Remote file		Size Priority	
	Queued files Failed transfers Successful transfers						
					Queue: er	npty 🛛 🕥 🕥	

				~	The host is the public
		Site Mana	ger		DNS number from
Select Entry:					Amazon EC2
My Sites		General	Advanced Transfer Settings Charset		
Bruno		Host:	ec2-54-242-54-21.compu Port:		
Harvard_Base		Protocol:	SFTP - SSH File Transfer Protocol 🔷		Protocol needs to be
👤 Maxwell	l				SFTP
📕 Wildcat					
💂 amazon		Logon Type:	Normal		User is genomics
		User:	genomics		Ŭ
		Password:	 [		Password is
					Harvard2016
		Background	color: None		
New Site	New Folder	Comments:			
New Bookmark	Rename				
Delete	Duplicate				
			Connect OK Cancel		Finally click Connec

	Unknown host key				
$\mathbb{Q}$	The server's host key is unknown. You have no guarantee that the server is the computer you think it is. Details				
	Host:         ec2-54-242-54-21.compute-1.amazonaws.com:22           Fingerprint:         ssh-ed25519 256 08:65:88:44:2a:a0:08:b3:d6:6b:19:d0:86:2b:b4:78				
Trust this host and carry on connecting? Always trust this host, add this key to the cache					
	Cancel				
	If you see this warning message, click OK				

amazon - sftp://genomics@ec	2-54-242-54-21.compute-1.amazonaws.com - FileZilla					
Host: Username: Password: Port:	Quickconnect -					
Status:       Connecting to ec2-54-242-54-21.compute-1.amazonaws.com         Status:       Connected to ec2-54-242-54-21.compute-1.amazonaws.com         Status:       Retrieving directory listing         Status:       Listing directory home/genomics         Status:       Directory listing of "/home/genomics" successful						
Local site: /users/s10ss5/Documents/	Remote site: /home/genomics					
Filename A Filesize Filetype Last modified						
Biobsplorer       Directory       18/03/2015 09:21         CGEBMP99A       Directory       09/12/2016 10:12         Cesky_2016       Directory       24/11/2016 06:01         Dundee_SpikeNorm       Directory       29/11/2016 05:15         EBI_Workshop       THIS IS YOUR COMPUTER       16 03:16         Gen_Sci_16       Directory       23/0972016 06:22         George_Maxwell       Directory       23/0972016 06:22         Microsoft User Data       Directory       18/06/2015 05:55         MinION_Workshop       Directory       22/11/2016 12:15         Post_doc_endnote.Data       Directory       27/07/2016 06:03         Stacks       Directory       27/07/2016 06:03         Stacks       Directory       01/06/2016 05:33         python_for_biologists_bundle       Directory       02/05/2016 06:03          Directory       02/05/2016 09:00       07/12/2016 04:33         Jocalized       0       File       18/06/2015 05:4	Filename A Filename					
51 files and 14 directories. Total size: 11,477,408,295 bytes 41 files and 37 directories. Total size: 41,902,908 bytes						
Server/Local file	Direction Remote file Size Priority					



You can navigate through the file system on both your computer and the Amazon instance by clicking on the folder structure.

To copy a file from the Amazon instance to your computer, drag and drop!

## **Using Amazon EC2 in the Future**

You'll need to create your own Amazon Web Services account. This will require a credit card number as compute usage is charged.

The AMI is available publically, just search for "ami-dfd2d1c8" in "Community AMIs"

Instructions for creating an identical AMI are available from my GitHub account - <u>https://github.com/SophieS9/harvard\_2016</u>