**How to run Puppeteer (Windows)**

1. **INTRODUCTION**
   1. Go to Puppeteer GitHub repository: <https://github.com/hicsail/puppeteerlite>;
   2. Go to “README.md”.
2. **README.md**
   1. Open your PowerShell. If you do not know where to find it, go to the search mechanism and search for “PowerShell”;
   2. Verify if you have the Python 3 by typing python3;
   3. Remember: you can always exit python by typing quit ();
   4. If you do not have python, follow the instructions:
      1. Go to <https://www.python.org/downloads/>;
      2. Click on Download Python 3.6.4 and follow the instructions.
   5. Now you need to install the pip program:
      1. Go to <https://pip.pypa.io/en/stable/installing/>;
      2. Right click on get-pip.py;
      3. Select save link as;
      4. Save it in your desktop;
      5. To find your desktop on your PowerShell type in cd desktop;
      6. Type python get-pip.py to install pip.
   6. Now you need to install biopython
      1. Type in: pip3 install biopython.
3. **RUN PUPPETEER LITE**
   1. Go back to the repository: <https://github.com/hicsail/puppeteerlite>;
   2. Click on the green button “Clone or Download”;
   3. Click “download ZIP”;
   4. Copy and paste the folder on your desktop;
   5. On your PowerShell, type in pip3 install requests;
   6. On your PowerShell, type in Pip3 install xlwt;
   7. On your PowerShell, go to your desktop by typing cd desktop;
   8. Go to your saved file by typing cd puppeteerlite-master;
   9. Run the command by typing: $ chmod u+x run\_puppeteer\_lite;
   10. Run your design by typing the command in this format: $ ./run\_puppeteer\_lite [input archive] [number of designs requested] – see example below;
   11. The “puppeteerlite-master” folder contains the example: $ ./run\_puppeteer\_lite HeadtoHead2.zip 42;
   12. If you want to insert other basic parts to be combined in-between, just use the same information / format you find on the HeadtoHead2.zip file, for both .gb files and excel spreadsheets.