VSpipe – GUI Installation Guide for Mac

Accessing and downloading VSpipe-GUI repository

- Access the GitHub repository
- Clone or go to the path or Executables/Mac/, and download the repo containing following files
 - o *vspipe-gui-mac-app* (executable file and can be run either through terminal or directly by double clicking on the app)
 - o *vspipe-tools/* (directory containing all required files to run vspipe-gui-mac-app application)
- Clone or download *vspipe-libraries.zip* file. It contains already minimized libraries provided by vspipe-gui

Installation of dependencies needed to run VSpipe-GUI

- 1. Python (https://www.python.org/downloads/macos/)
- 2. MGL Tools (https://ccsb.scripps.edu/mgltools/downloads/)
- 3. Rscript (https://cran.r-project.org/bin/macosx/)

Step-by-Step guide

Once you have downloaded above mentioned files/directories from the repo, do the following steps:

Note: You need to have administrative privileges to install vspipe-gui

- 1. You will need to locate the path of MGL tools and find out the path of a file 'pythonsh'
 - o For example, in current machine, this path is:

```
/Users/lydiatabernero/Downloads/mgltools_1.5.7_MacOS-X/bin/pythonsh (This path will be changed depends on where you have installed MGL tools)
```

- 2. Give following commands.
 - ♦ cd vspipe-tools/
 - ◆ open -a TextEdit prepare_receptor4.py
 (Change the header as shown in figure below)
 - ◆ open -a TextEdit prepare_ligand4.py (Change the header as shown in figure below)
 - ◆ open -a TextEdit prepare_dpf4.py
 (Change the header as shown in figure below)

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   ◆ open -a TextEdit prepare_gpf4.py
       (Change the header as shown in figure below)
   ◆ open -a TextEdit summarize_results4.py
       (Change the header as shown in figure below)
   ◆ sudo cp * /usr/local/bin/
   ◆ sudo chmod 777 -R /usr/local/bin/
   ◆ unzip vspipe-libraries.zip
   ◆ sudo cp -r minimised_libs /usr/local/lib/
   ◆ sudo chmod 777 -R /usr/local/lib/minimised libs/
```

Launching Vspipe-GUI

Once you have followed the instructions above, double click on the **vspipe-gui-mac-app** icon to launch the VSpipe GUI.

Old File

