

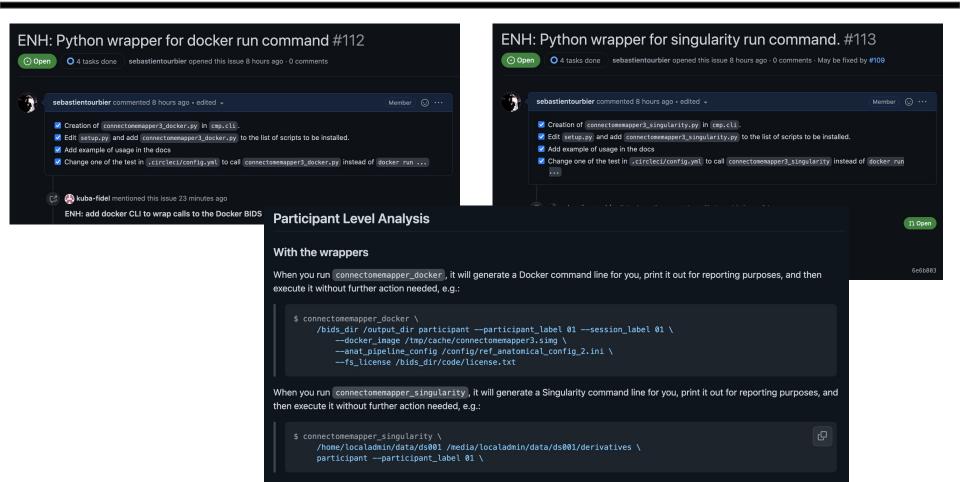
Contributing to Connectome Mapper 3

TEAM



Jonathan Wirsich, Stefan Dvoretskii, Anil Tuncel, Jakub Jancovic, Mikkel Schöttner, Sébastien Tourbier

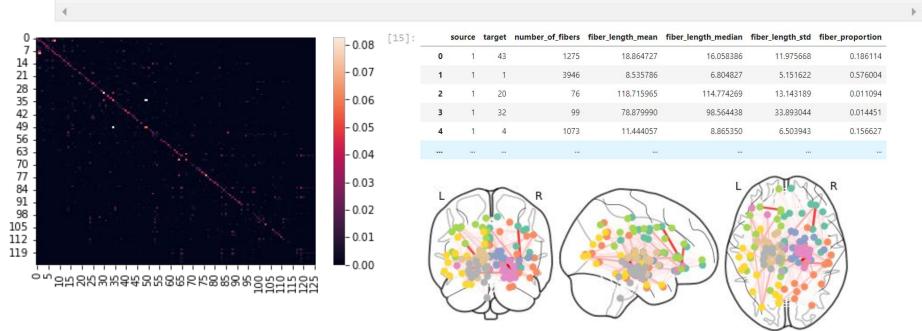
Python wrappers for the BIDS App (Anil and Jakub)



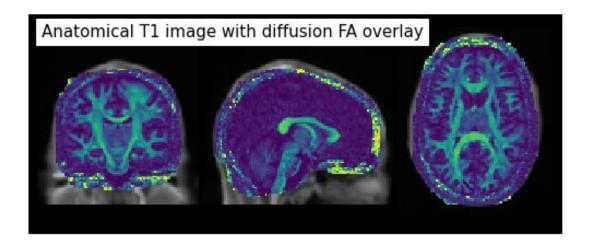
Analysis Tutorial (Mikkel)

As the dataset is in BIDS, we can use pybids to help us load the data.

```
[24]: layout = BIDSLayout(vepcon_data.path)
# add derivative folder containing the connectivity matrices
layout.add_derivatives(os.path.join(vepcon_data.path, "derivatives", "cmp-v3.0.0-beta-RC1"))
```



Towards a processing report - co-registration (Stefan)



211204-14:48:26,289 nipype.workflow INFO:

[Node] Finished "overlayAnatDiffQC".

Towards a processing report - detect BOLD artifacts (Stefan)

```
In [134]:
          timeseries npy = "sub-103818 ses-01 atlas-L2018 res-scale1 timeseries.npy"
          carpetPlotter = Node(carpetPlot(timeseries npy = p.join(data path, timeseries npy),
                                           out carpet plot = p.join(data path, "out carpet plot.png")),
                                name = "carpetPlot")
          carpetPlotter.run()
          211204-16:32:03,678 nipype.workflow INFO:
                    [Node] Setting-up "carpetPlot" in "/tmp/tmpztw8 2bf/carpetPlot".
          211204-16:32:03,819 nipype.workflow INFO:
                    [Node] Running "carpetPlot" (" main .carpetPlot")
          211204-16:32:09,239 nipype.workflow INFO:
                    [Node] Finished "carpetPlot".
                                                      Mean BOLD of regions of interest
Time sample
   50
                                                                                                                                            -200
```

600

ROI number

800

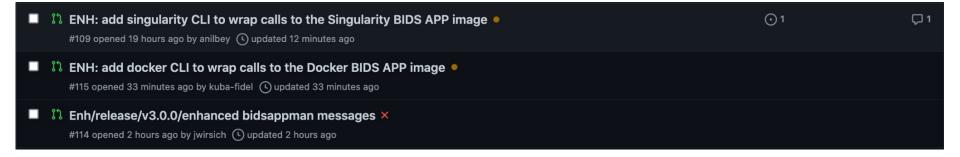
1000

200

400

Outcomes in brief

3 Pull Requests that will be integrated in the upcoming v3.0.0 release of Connectome Mapper3:



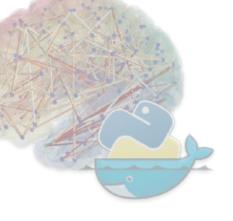
GLOBAL 20 Brain 📜 Hack

Emeline





Anyone is welcome to join our community!



Joan

Ale



Katha



Jonathan



Anil



Mikkel



Stefan



Sebastien



You?

