**Influence of anatomical features of different brain regions on the spatial localization of fiber photometry signals**

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**How to open the raw data**

This zip folder contains all relevant data presented in the manuscript organized in different folders by figures (1, 2, 3, 4, 5) and supplementary figures (1, 2, 3).

For data concerning brain slices images, within the zip archive you’ll find raw data in .tiff format concerning:

* *f(x,y,z)* , named *bench.tiff*
* *mu(x,y,z)* , named *top.tiff*
* *beta (x,y)* , named *ill.tiff*
* *background noise*, named *benchfondo.tiff*

The best way to open .tiff files is to use [ImageJ](https://imagej.nih.gov/ij/index.html) or [Fiji](https://imagej.net/software/fiji/).

Photometry efficiency fieds and other relevant informations including isolines, three-dimensional diagrams, axial intensity profiles and η(x,y) are computed through matlab scripts. All .m matlab scripts are commented, and to run them you need to first import the workspace.mat which is in the same folder of the .m file.

For other graphs, in the folder reffered to each panel, you will find a .txt file with detailed instruction on how to read the graph.