**TACS Challenge Documents**

**SOP 5 – Data Sharing**

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**List of material / Required hardware:**

|  |  |
| --- | --- |
| **Quantity** | **Item** |
| 1 | OSF account |
| For each subject | tsv output for each experimental block |
| For each subject | tsv output for staircase |
| For each subject | tACS Challenge Data table (xlsx) |
| 1 | Demographic Information Form |

**Required structure and files for data sharing**

1. Create a data folder for your lab on OSF: <https://osf.io/gz84a/files/osfstorage>

and label it with a code (L+number of your lab as assigned on <https://tacschallenge.github.io/labs/>). For example: ‘L06’ if you are in the Bergmann lab, or ‘L40’ if you are in the Tarantino lab.

1. Create a folder for each subject that you can then store in your lab folder on OSF. Label each participant’s folder with your lab code and an individual participant code. Example: ‘L01\_P01’ for the first participant in the Aglioti lab.
2. The following files are required in each subject’s folder:

* **.tsv output file from each experimental block**, labelled according to lab code, participant code, block number (between 1 and 13), and montage. For example:

‘L04\_P03\_B4\_A.tsv’ for the Battaglini Lab, participant nr 3, Block 4, Montage A. Note that the order of montages varies from participant to participant according to a latin square permutation (see [here](https://docs.google.com/spreadsheets/d/1MRDyuQfRs2Qrba2FPHCHmhYVWcm5l-9s/edit?gid=818416461#gid=818416461)). Montage labels correspond to those on the tACS Challenge Sensation Questionnaire and the registered report (Sh = sham, A=occipital, B=phosphene, C=cutaneous).

* **.tsv output file from the staircase procedure**, labelled as described above, e.g.

L01\_P01\_Staircase.tsv

* The **table tACSChallenge\_Data**, labelled as described above, e.g.

L01\_P01\_Meta\_Data.xlsx

Please fill in the required information:

* + Lab Code (same as above)
  + Subject Code (same as above. Ideally the same as in the Demographic Information Form)
  + Gender (from the Demographic Information Form)
  + Age (5-year bracket; from the Demographic Information Form)
  + Stimulation intensity (separately for each montage)
  + Impedance difference between hemispheres (separately for each montage)
  + Use of EMLA cream (y/n)
  + Individual Alpha frequency (IAF) (if applicable)