



Deliverables: 16 October 2017



AVATR



From Last Week

- Confirm need for annotation plugin (talk to Eric, NOMADS)
- Scope technical components necessary
- Proof-of-concept for annotation plugin

This Week:

- Demo on how people currently annotate ✓
- Documentation on current annotation workflow ✓
- Jupyter Notebook on Ingest Large Vol

Demo

Expect crashes

Documentation

Go into docs folder and type “make html” in terminal. Open index.html in build subdirectory.

Welcome to NeuroData Annotation's documentation!

1. Clone annotation repo. In Terminal type:

```
git clone https://github.com/rguo123/NeuroData_Annotate.git
```

2. Get BOSS API token by logging in to <https://api.boss.neurodata.io/>
3. Create neurodata.cfg file and insert BOSS token as shown below:

```
[Default]
protocol = https
host = api.boss.neurodata.io
token = edef359a8de270163c911dcef5d467a72348d68d
```

4. Pull data from BOSS by typing `python3 NeuroDataResource.py` in terminal and following the input prompt.

Bugs and Quirks Discovered

1. Annotations are labeled as 1, 2, 3... pixel intensity in FIJI.
2. Weird z-indexing in Intern and Boss.
3. Creating certain tiff stacks in FIJI will make ingest_large_vol crash.
4. Data type code in ingest_large_vol does not work.

For Next week:

- Improve Documentation
 - Clicking in Fiji
- Fix viewing annotations and potentially other bugs
- Add additional features like:
 - easy BOSS Metadata uploading
- Work with NOMADs to use this
 - Give them docs and see where they struggle
- Get feedback

Wednesday Deliverables

- Help annotators setup this code before Wednesday class so there's more time for feedback.