

# napari

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Donuts and Development Meeting
2019-08-29

# Outline

- 1. What is napari? Who is developing?
- 2. How to install napari? Ways to start napari.
- 3. Basic usage of napari, basic layer types
- 4. Exploring nD datasets with napari
- 5. How to contribute?



#### What is napari? Who is developing?

#### Napari a multi-dimensional image viewer for python

#### Core developers



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#### How to install napari? Ways to start napari.

- Use Conda, please:)
- pip install napari

- To install dev version

pip install git+https://github.com/napari/napari

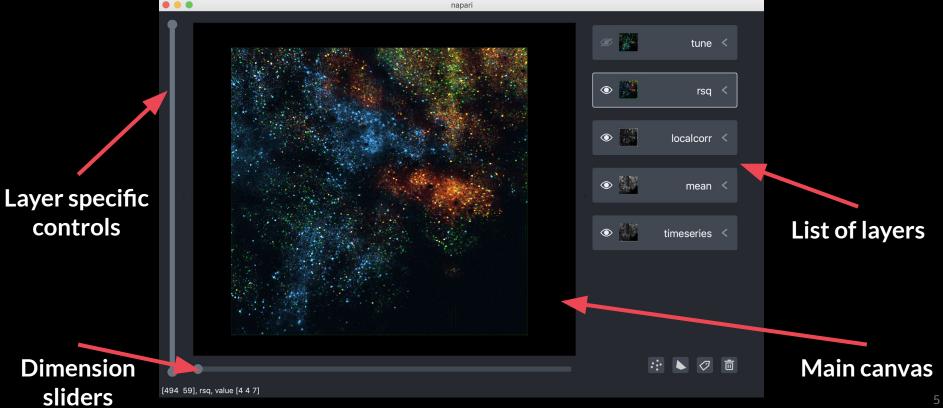
- Type napari on terminal

- In a script

- In a notebook

```
%gui qt5
import napari
```

# Napari viewer

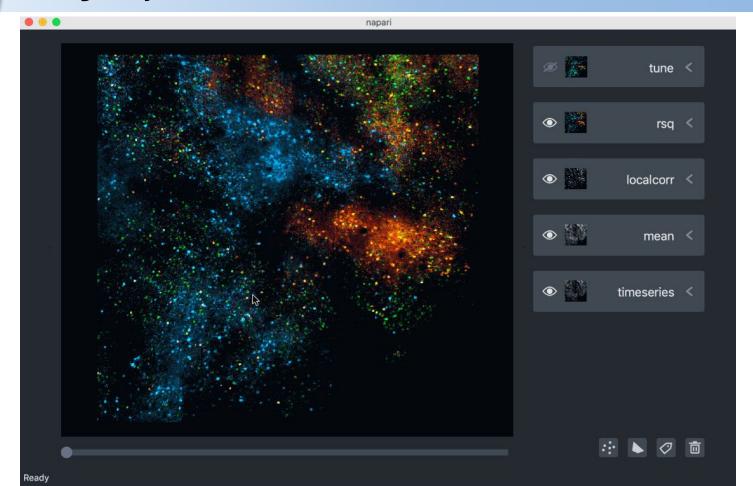




- Image layers
- Pyramid layers
- Points layers
- Shapes layers
- Labels layers



#### Image Layers

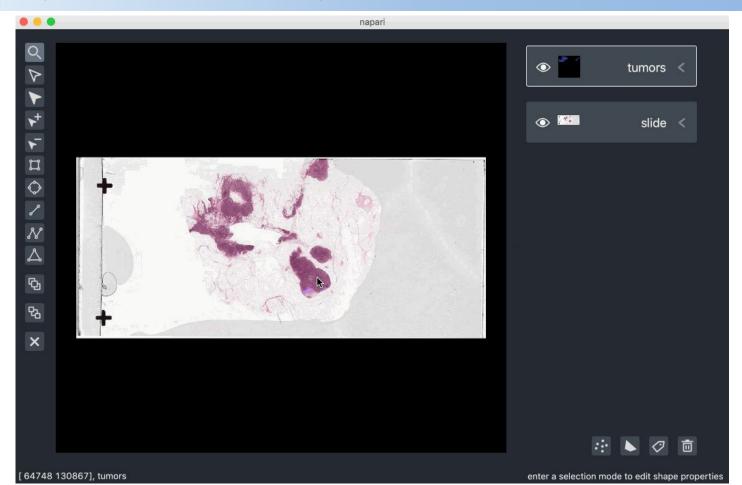




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#### Pyramid and Shapes Layers

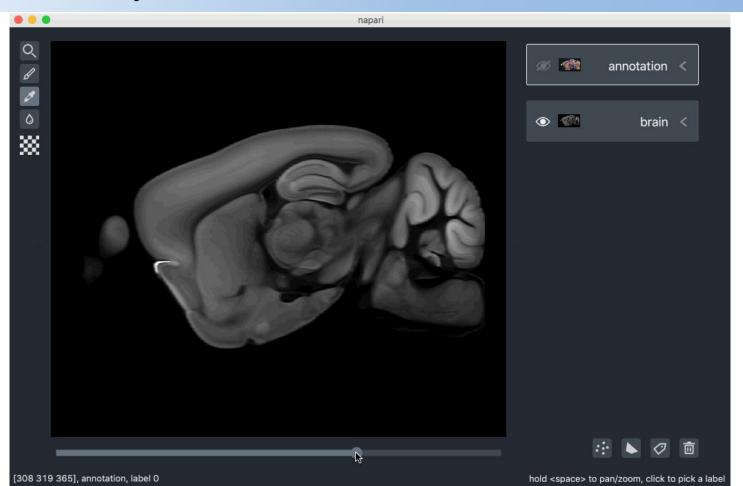




- Image layers
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#### Labels Layers





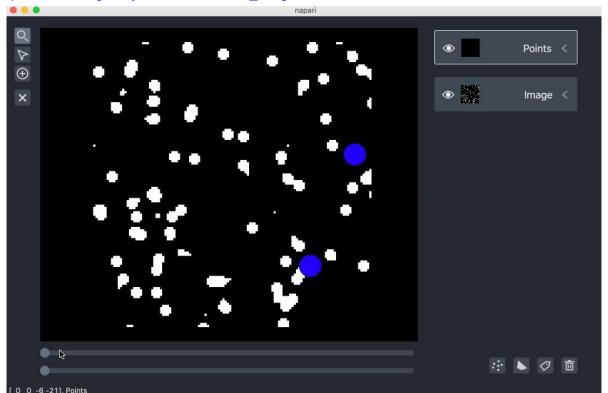
- Image layers
- Pyramid layers
- Points layers -> demo and exercise time!
- Shapes layers
- Labels layers



#### Exploring nD datasets with napari

https://napari.github.io/napari-tutorials/gallery/resources/LLSM.gif

https://napari.github.io/napari-tutorials/gallery/resources/LLSM\_3D.gif





#### How to contribute?

- Understand basic software development life cycle(SDLC)

- Fork -> Branch -> Implement -> PR -> Get reviews -> Merge!

Follow and join discussions:
 <a href="https://github.com/napari/napari/issues">https://github.com/napari/napari/issues</a>



#### Thank you

Q&A

https://napari.github.io/napari-tutorials/

https://github.com/napari/napari