

9:15 - 10: Special Intro to ANTs (for ICERM grads and postdocs)

- background (discussed in parallel with installation)
 - [ITK](#) and [ANTs](#)
 - ANTs history and current development strategy ([google scholar](#))
 - Information resources (GitHub, Sourceforge)
 - ANTsR core documentation [here](#) - see the "Articles" link
 - ANTsPy core documentation [here](#)
 - Example 2D neurodegenerative condition brain slices [here](#)
 - Example 3D pediatric data [here](#)
- installation:
 - [ANTsR](#)
 - [ANTsPy](#)
 - python docker/binder:
 - <https://mybinder.org/v2/gh/stnava/ANTsPyDocker/master>
 - <https://hub.docker.com/r/stnava/antspy>
 - R docker/binder:
 - <https://mybinder.org/v2/gh/stnava/ANTsRDocker/master>
 - <https://hub.docker.com/r/stnava/antsr>
 - Joint R and python binder:
 - launch and go to "New" -> Rstudio -> File -> open -> ANTsX_R_Python.Rmd -> knit to html (might need to allow popup windows)
 - docker image: <https://hub.docker.com/r/stnava/antsrpy>
 - to run containers:
 - `docker pull containername`
 - `docker run -p 8888:8888 containername` e.g. `docker run -p 8888:8888 stnava/antsrpy:latest`
 - follow the instructions to open the html file
 - for core ANTs: [on linux and osx](#)

these will evolve as our tutorial material matures.