

# Students on the Forefront of Science

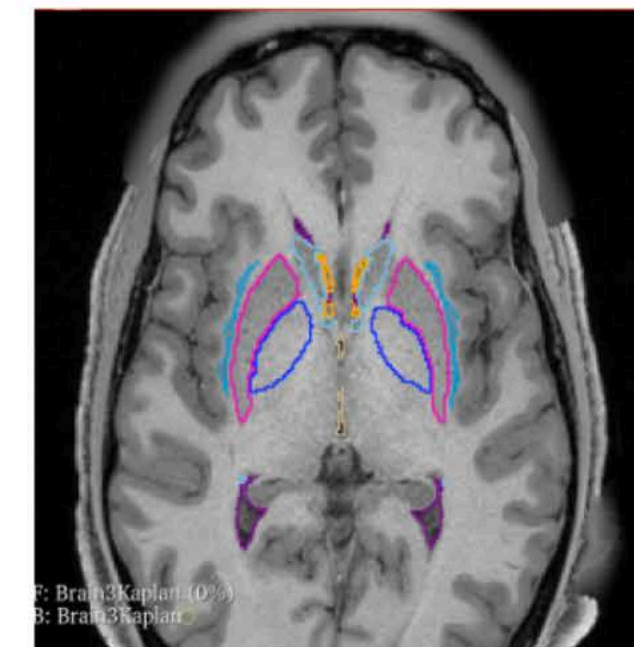
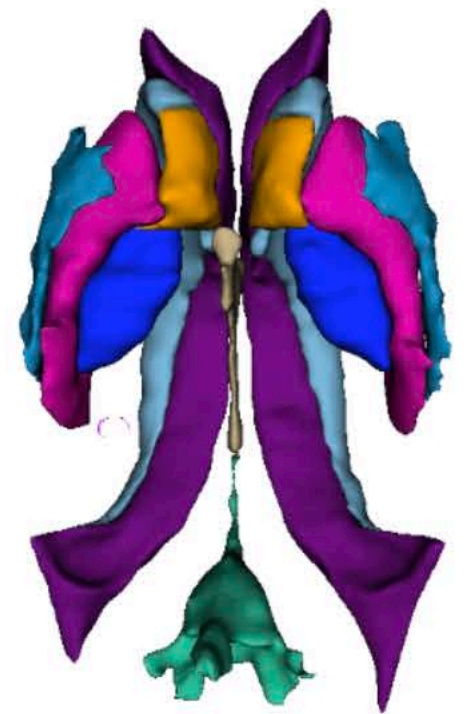
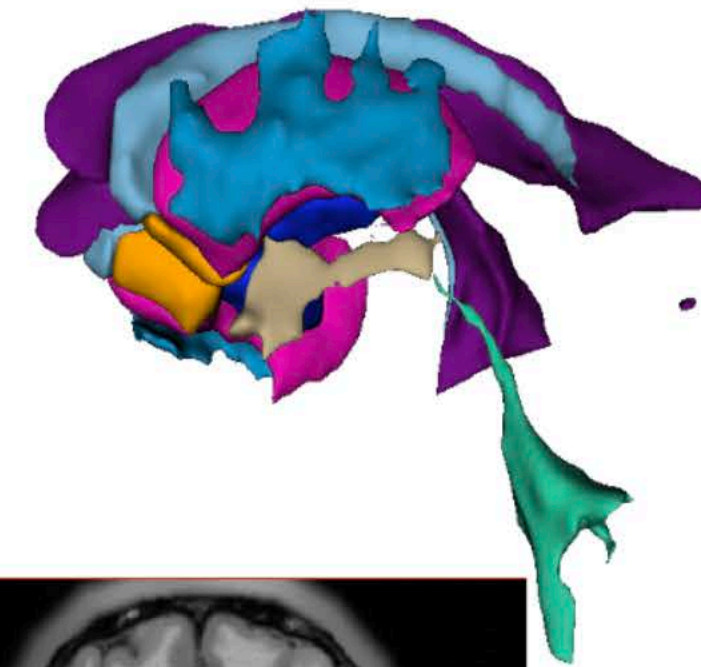
## Psychiatry Neuroimaging Lab of Brigham and Women's Hospital

- Everyone who works in the lab uses state-of-the-art neuroimaging techniques to understand brain abnormalities and their roles in neurologic disorders.
- Working at the lab, we had flexible hours. As long as we were successfully doing our work, we could come or go whenever we pleased!
- With a cohort of other interns, with scheduled professional development and journal club
- Learned how to use Linux and 3DSlicer programs.
- The lab itself is just one block across from Fenway Park and a short walk away from Newbury Street! \*might be different this year



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- Focus on MRI scans and manual segmentation using 3D slicer
  - Focused on the Claustrum (a small grey matter structure) and improving manual segmentation protocol
  - Created and presented a final presentation of all of my work:



## High-Resolution Manual Segmentation of Human Claustrum in Structural MRI Scans

Presented by Melanie Kaplan

Advisor: Ashley Boersma

Mentor: Jarrett Rushmore, PhD

Psychiatry Neuroimaging Laboratory

Brigham and Women's Hospital, associated with Harvard Medical School





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## Weekly Schedule at BWH Neuropsych Lab

### **Mondays/Wednesdays/Fridays:**

- Breakfast @ 9 am
- Take the T from Harvard (where I lived) to the lab (9:30-10:15)
  - (35-minute train ride and a 10-minute walk)
- Work on coding/scripting as well as case study work from 10:15 a.m. to around 4:00 p.m. \*\*
  - some days were as short as 2 hours and as long as 8 hours (It all depends on the workload for that day)

### **Tuesdays/Thursdays:**

- Breakfast @ 8 am
- Attend *Intro to Psych* class at Harvard from 8:30 a.m - 11:30 a.m.
  - the 3-hour lectures were brutal but still really interesting!
- Go to the lab for a half-day (1:00 pm to 4:00 pm)\*\*
- Back at Harvard by 5 pm

\*\*flexible hours each day