

A scenic view of Georgetown University buildings and a forested hillside. In the foreground, several historic stone buildings with red roofs and decorative gables are visible. One prominent building features a tall, dark spire. Behind them, a large, modern brick building stands. A dense forest covers a hillside in the background under a clear sky.

Welcome to Georgetown!

26 June 2017

Schedule (Today)

Time	Topic/Activity
10:00 – 11:00	Welcome Orientation & CFMI Tour
11:00 – 12:00	Introduction to the Brain Imaging the Brain with MRI
12:00 – 13:00	The Computer as a Laboratory for Science
13:00 – 13:30	MRI Lab 1
13:30 – 14:30	Lunch @ Epicruean
14:30 – 16:00	Assessing MR Images for Quality Quantitative Quality Assessment Metrics

Market Rx

Starbucks
Vital Vittles

CFMI

Epicurean

GUTS Bus
“Depot”

Food Trucks

Wisemiller Deli



Georgetown University Main Campus Map

CFMI – General Info

Center for Functional and Molecular Imaging (CFMI)

Started in 2003 with a \$3.2M in funding from Georgetown University Medical Center (GUMC)

CFMI is a “Shared Resource” –

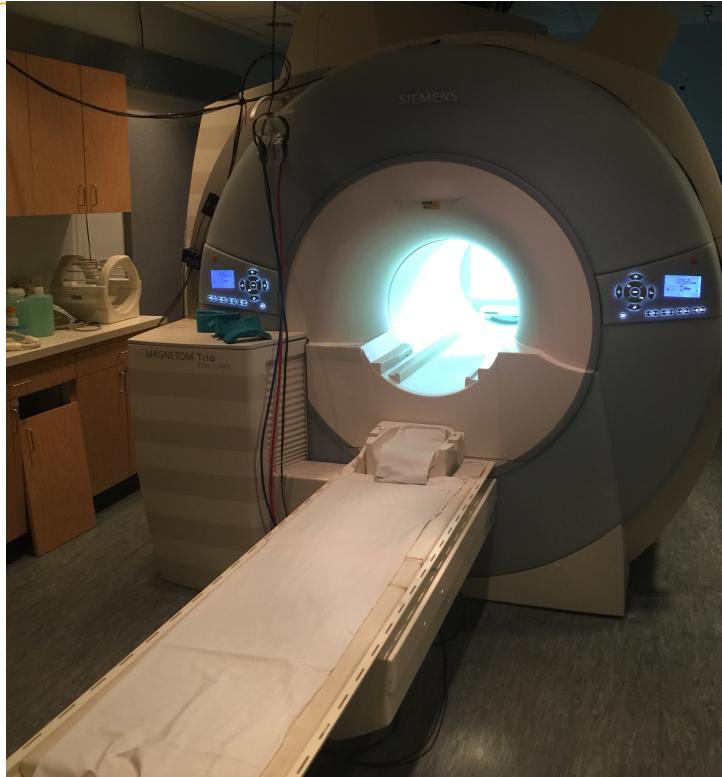
- Many labs come here to scan including from the surrounding universities and hospitals
- Research dedicated

The lab offers a number of techniques for imaging the brain:

- High density EEG (256 channels)
- NIRS (Near Infrared Spectroscopy)
- MRI – 3T scanner

Our MRI Scanner

3T: can lift something ~9x as heavy as 2 ton car!



CFMI Basic Safety & General Rules

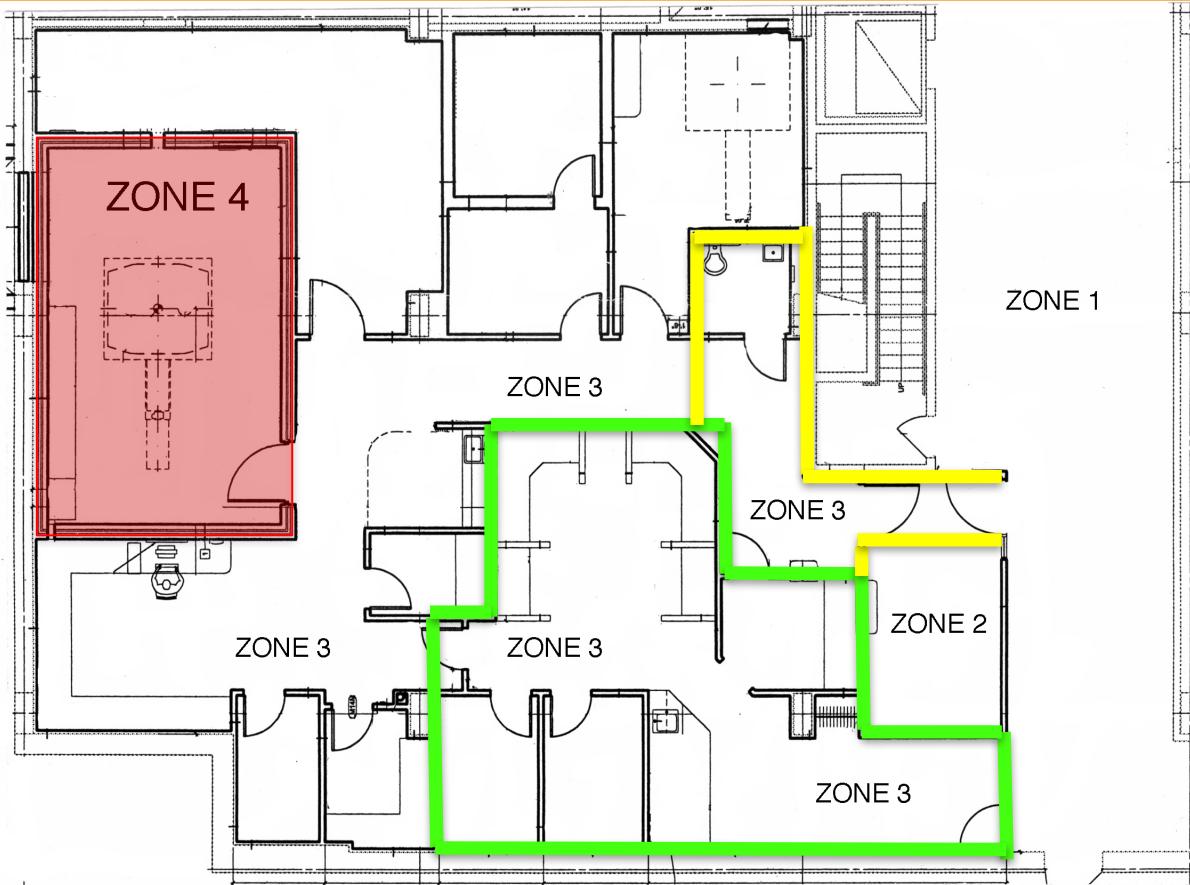
Main safety concern is the MRI scanner

- Massively powerful magnet at heart of any MRI scanner
- Safety First
- ***Stay out of scanner room (all of the dangers live in that one room)!!***
- ***Don't press buttons in console room!***

Laboratory is open all summer long and many studies are underway and include many different populations

- Stay in this mini-computer lab area and offices
- Do not interact with or talk to participants or investigators from other labs
- Respect confidentiality

CFMI Safety Zones



A few things to keep in mind...

- Data is being collected on computer usage to estimate learning curves for FreeSurfer
- Only being used as data for ***paper we hope to publish*** on this summer camp (web surfing, FB, etc. totally OK and not tracked)
- There is a very powerful magnet in this facility, abide by all safety regulations especially MRI Safety Zones.
- Remember! Experiments are being conducted during all hours. Avoid wandering into the console room without supervision.
- Tour next!

Questions? Slack!

