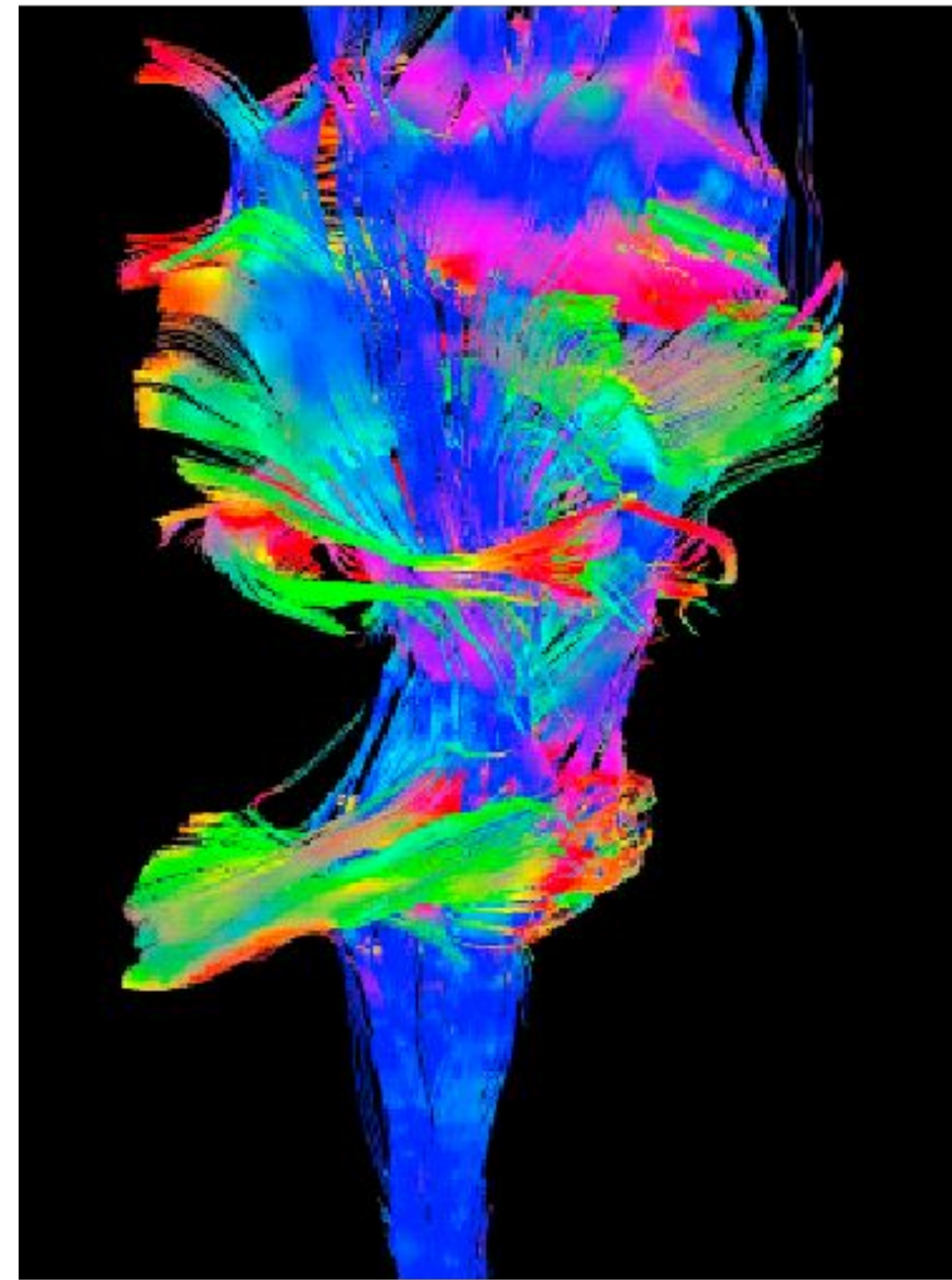


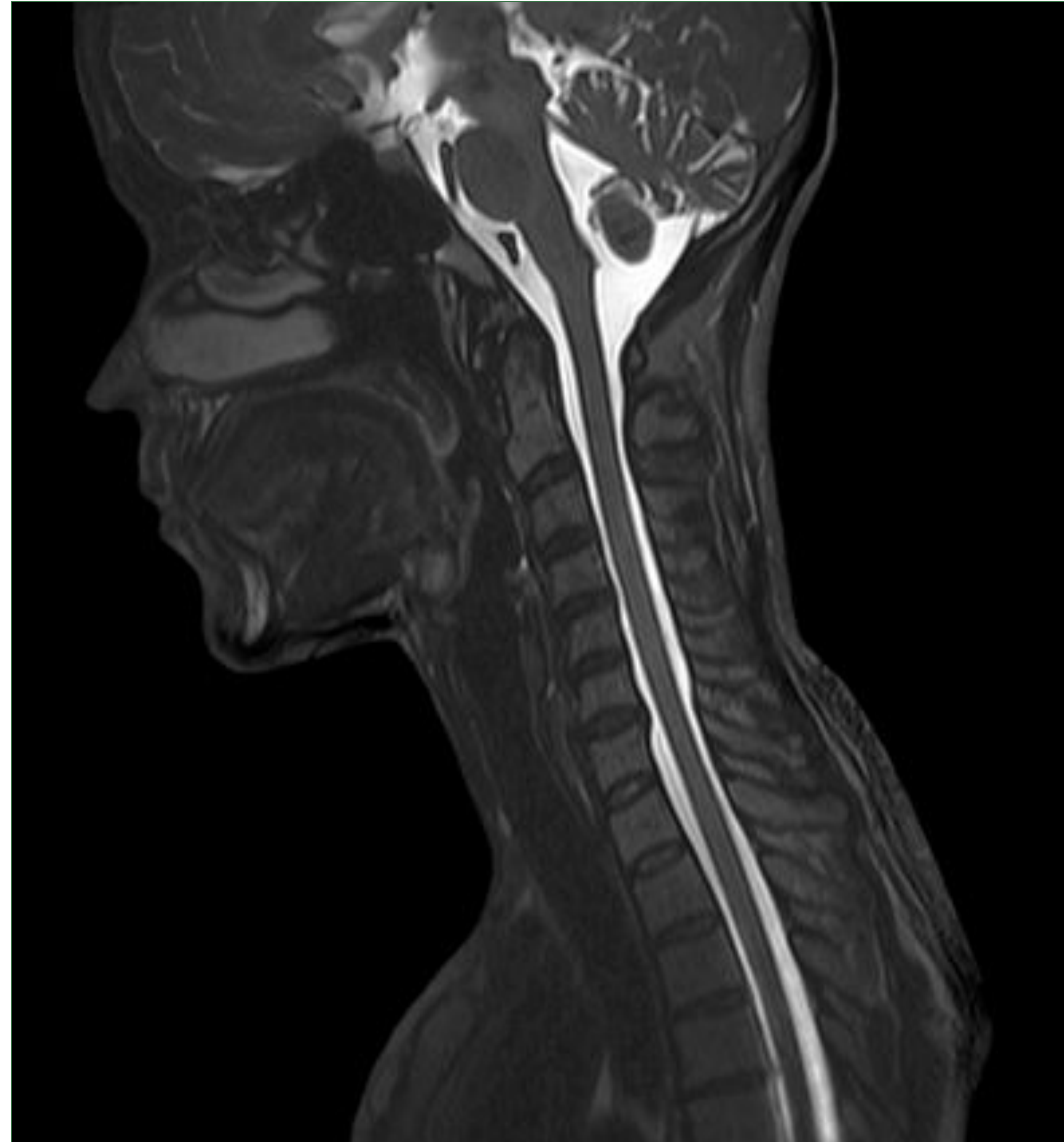
Research MRI Core and Civitan International Neuroimaging Laboratory



The Civitan International Neuroimaging Laboratory (CINL) is located on the first floor of UAB Highlands Hospital. It houses a research dedicated Siemens Prisma 3T whole body scanner for structural and functional brain imaging, MRI preparation rooms and interview rooms for pre- and post-scan patient monitoring and testing, and a fully-equipped experimental suite for behavioral and physiological recording. Research equipment is

housed in a dedicated room adjacent to the scanner room with a dedicated research penetration panel.

The Siemens MAGNETOM Prisma MRI Scanner offers a 3T whole body MRI platform for the highest quality MRI research. Its design delivers maximum performance under prolonged high-strain conditions. Unmatched 3T full body magnet homogeneity, XR 80/200 gradient coil, parallel transmit architecture for shaped excitation and B0 shimming, and at-the-scanner 64 channel receiver architecture. UAB's Prisma is configured for neuroimaging with a 64 channel neuro coil and Spectroshim spectroscopy shimming hardware.



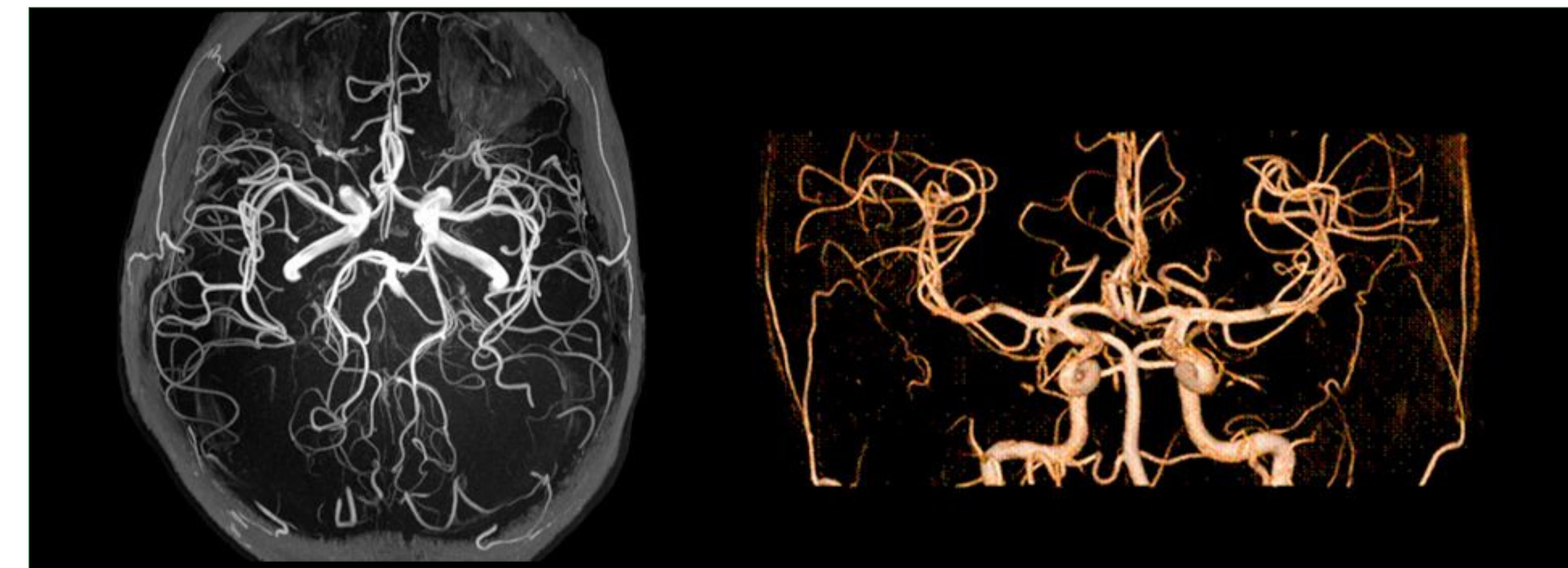
The facility has a large selection of coils to ensure optimal image quality for your particular application:

- 64 channel neuro
- 20 channel head and neck
- Head CP T/R
- Spine
- Anterior Array / Cardiac
- A variety of smaller special purpose coils including coils for human eye imaging and small animal imaging

We can also provide:

- Stimulus delivery (audio, visual, and tactile)
- Response hardware
- Vital signs monitoring and recording
- MRI compatible anesthesia and ventilation

We will work with you to build specialized equipment for your particular needs!



Directors:

Virendra Mishra PhD
Jane Allendorfer, PhD

Physicists:

Ryan Willoughby, PhD
Mark Bolding, PhD

Lab Manager:

Damon Carter

Administrator:

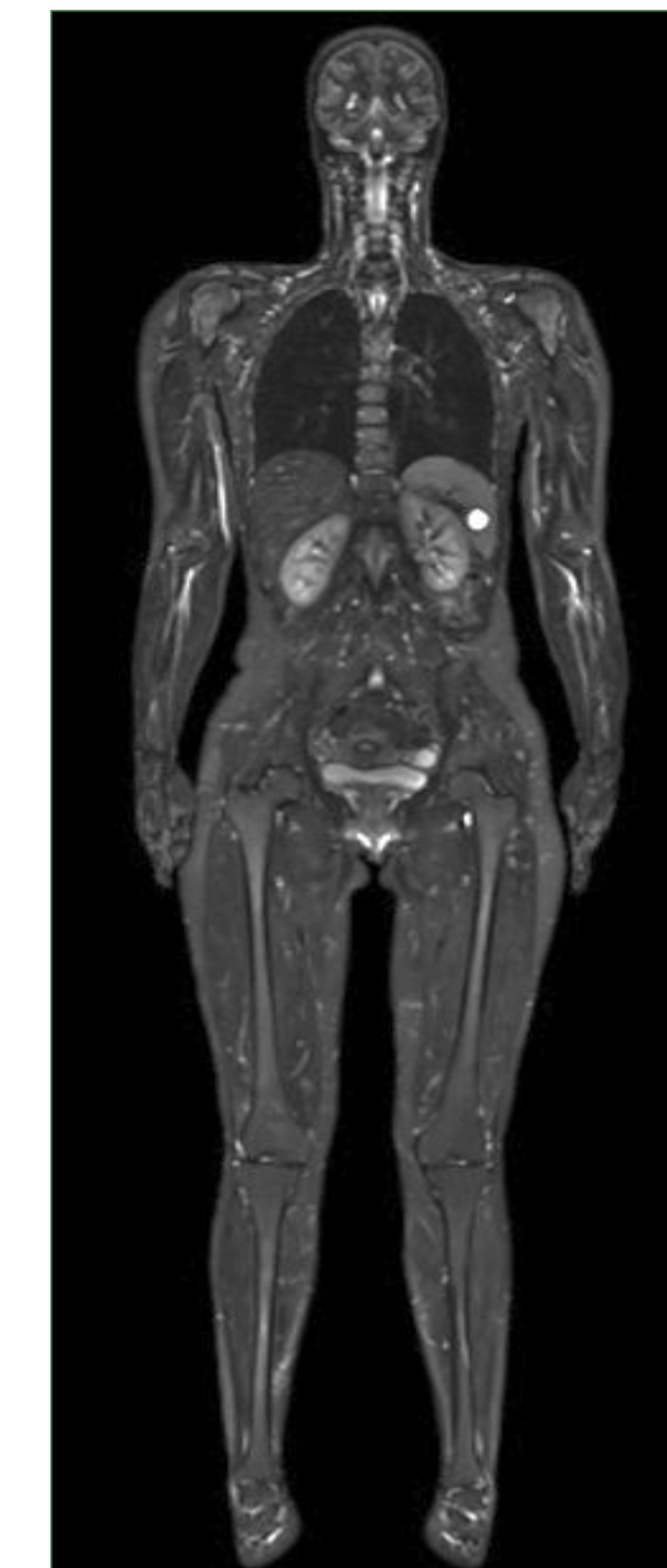
Ingia B. Gentry



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<https://www.uab.edu/medicine/cinl/>

Service	Cost/hour
Imaging, UAB	\$600
Imaging, External	\$750
Red eye rate (9pm to 4am)	\$150
Animal tech, UAB	\$35
Animal tech, External	\$55
Physicist time, UAB	\$150
Physicist time, External	\$250



Changes on the horizon:

- Multi-nuclear capability adds capacity for 31P MRI/MRS
- Mock MRI helping participants prepare for imaging
- Polarean HPX Xenon-129 hyperpolarizer bringing new MR lung imaging capabilities to the region
- MRI compatible fNIRS

