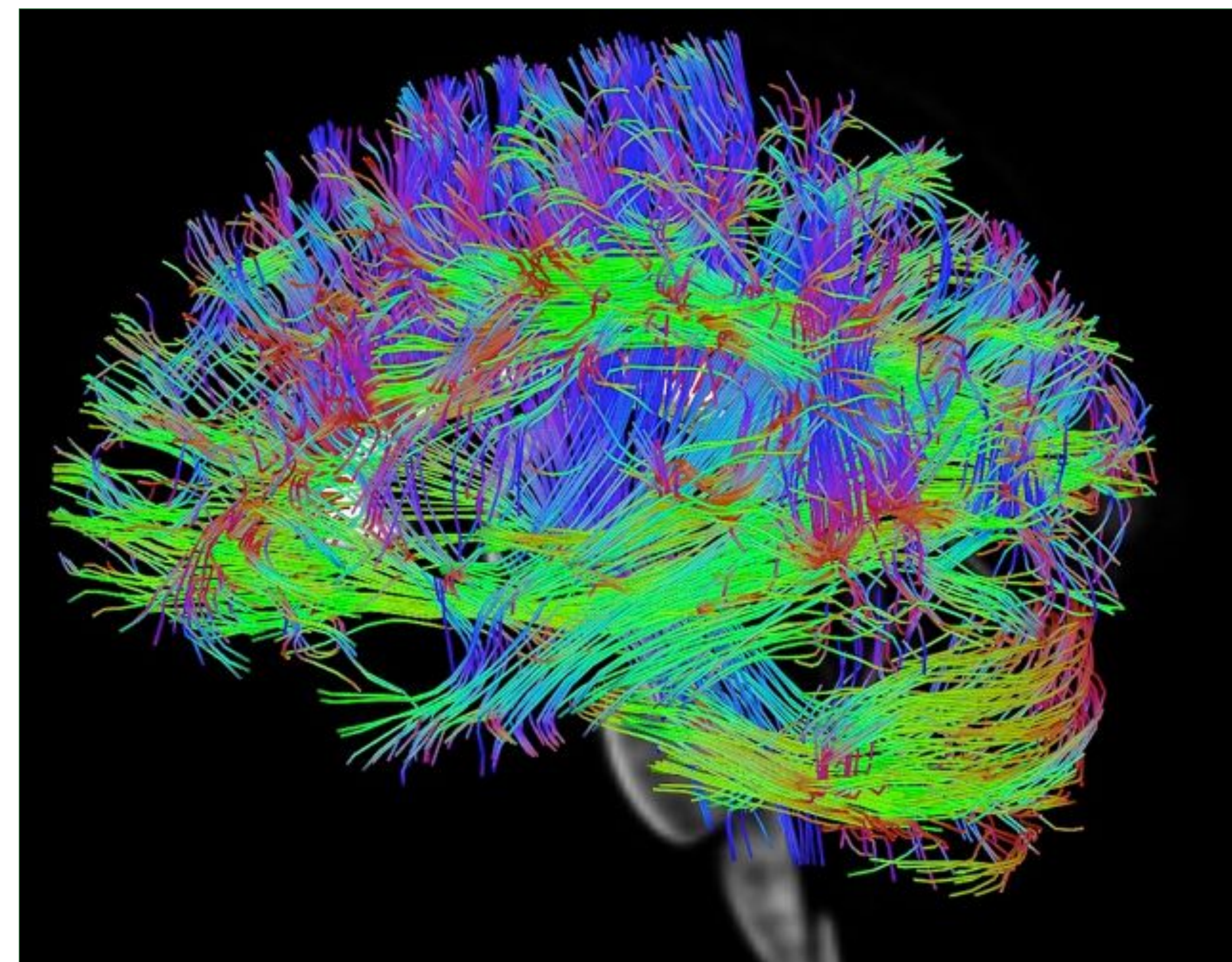


The Civitan International Neuroimaging Laboratory (CINL) is located on the first floor of UAB Highlands Hospital. It houses a research dedicated Siemens Prisma 3T whole body scanner for structural and functional brain imaging, MRI preparation rooms and interview rooms for pre- and post-scan patient monitoring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



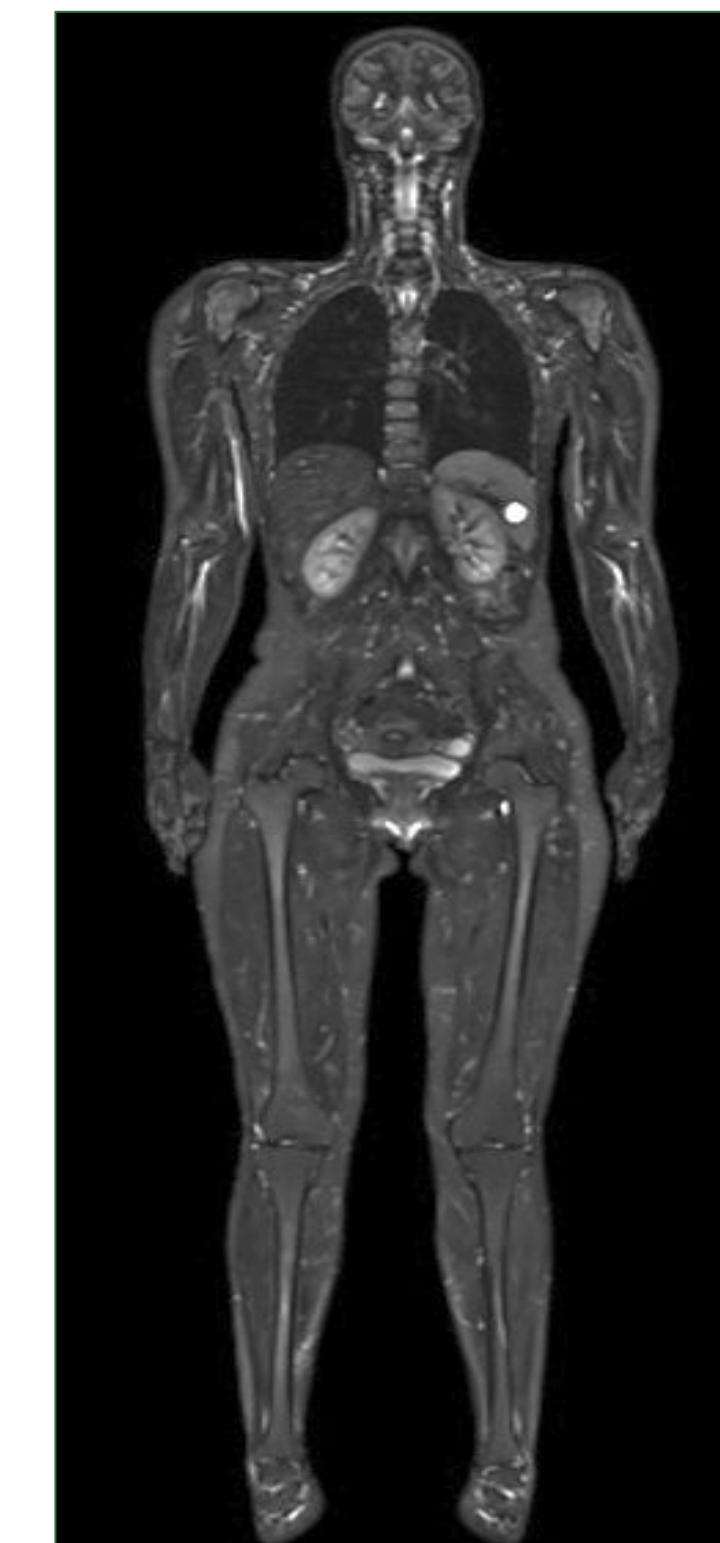
Your Research MRI Fleet



Siemens Prisma GE Premier Siemens Free.Max

	Siemens Prisma	GE Premier	Siemens Free.Max
Nominal field strength (B_0)	3 T	3 T	0.55 T
Bore diameter	60 cm	70 cm	80 cm
Max. gradient slew rate (absolute)	200 mT/m/ms	200 mT/m/ms	40 mT/m/ms
Max. gradient amplitude (absolute)	80 mT/m	80 mT/m	25 mT/m
RF chain	TIM 4G 64 independent channels	TDI 146 independent channels	TIM 4G 51x24 independent channels

Service	Cost/hour
Imaging, UAB	\$600
Imaging, External	\$750
Red eye rate (9pm to 5am)	\$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 ^{31}P 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

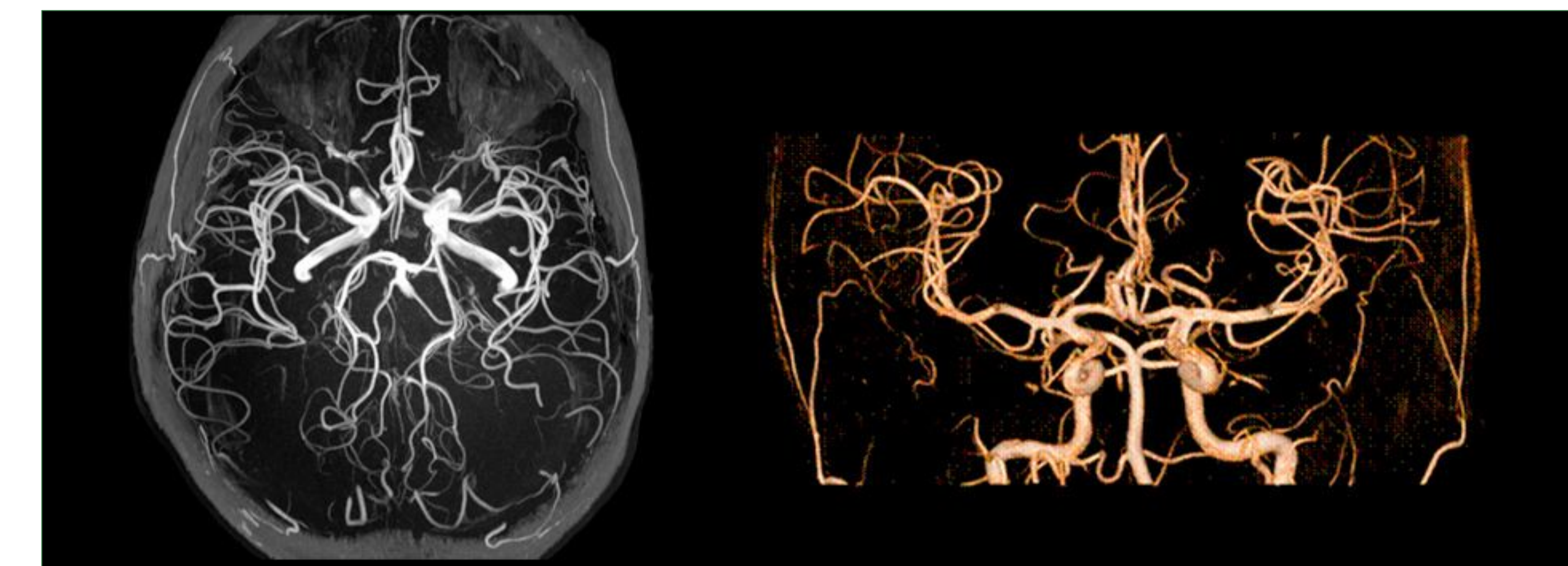
The facility has a large selection of coils to ensure optimal image quality for your particular application:

- 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!



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Ryan Willoughby, PhD
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