CUBIC MRI Unit – Equipment

**Scanner**
Siemens Tim Trio System
Software – Syngo MR B17

**RF Coils**
32 channel head array
12 channel head array
Birdcage coil
Neck coil
Spine coil.

**Display Computer**
Lenovo PC – Intel Core i7-6700 CPU, 3.4GHz; 16GB RAM;
A clone PC is available in Elaine Funnell Lab for testing purposes.

**Projector**
Sanyo PLC-XP100L with back projection system
**Button Response Pads**
Lumitouch button box – one hand 4 keys.
NATA technology button box – two hands, 5 keys per hand.

**Eye-tracking system**
SR research, 1000Hz.

**Auditory Stimulus presentation**
Siemens Pneumatic headphones
Sensimetrics headphones – model S14
Sony amplifier

**Optical Microphone**
OptoAcoustics – dual channel microphone system – FOMRI -III

**MR Compatible Eyeglasses**
Interchangeable prescription eyeglasses with lens inserts in Rx powers from -6 to +6.

**Triggers for synchronising**
USB cable triggering
Parallel port triggering via MATLAB
Physiological monitoring

Siemens:
Monitoring and recording of peripheral pulse (top), ECG (middle) and respiration (bottom) through Siemens wireless physiological equipment.

Biopac:
MP160 amplifier with AcqKnowledge software
Stimulus presentation interface module
ECG module with electrodes
Respiration module
2x hand grip modules

NeuroConn:
TDCS – DC stimulator – MR Compatible

Updated – June 2019