

CFMM CFREF BrainsCAN Supported MRI Studies

Number of Studies	Principal Investigator	Title of Study	Platform
1	Ansari, Daniel	Adaptation	3T
2	Ansari, Daniel	Enumeration Adaptatioin	3T
3	Ansari, Daniel	Number symbols in the brain and mind	3T
4	Baron, Corey	Diffusion MRI at Ultra High Field	7T
5	Bartha, Rob	Imaging pH: Development of MRI probes for In-Vivo pH mapping	9.4T
6	Bartha, Rob	Imaging pH: Development of MRI probes for In-Vivo pH mapping	7T
7	Bartha, Rob	Frontotemporal Degeneration in ALS	9.4T
8	Bartha, Rob	Alzheimer's mouse models and memantine plus vitamin D	9.4T
9	Bartha, Rob	Metabolic and Functional Brain State: New indicators of early Alzheimer's Disease	7T
10	Birmingham, Trevor	A Randomized Trial of High Tibial Osteotomy	3T
11	Birmingham, Trevor	qMRI Cartilage Response to Functional Loading Stimulus	3T
12	Borrie, Michael	Jazzercise to improve physical fitness and brain function in sedentary post-menopausal women with subjective cognitive impairment: a pre/post feasibility study	3T
13	Brown, Arthur/Bartha, Rob	Imaging in a mouse model of concussion	9.4T
14	Butler, Blake	Visually-evoked activity in the cat	7T
15	Burneo, Jorge	Malformations of cortical development imaging study	3T
16	Burneo, Jorge	7T Temporal lobe epilepsy study	7T
17	Culham, Jody	fMRI data for psychology 9223 and online tutorials	3T/7T
18	Culham, Jody	Neutral coding within human brain regions involved in size constancy	3T
19	Culham, Jody	Neurological mechanisms underlying the understanding of social action	3T
20	Culham, Jody	Mitigating mass distribution artifacts in fMRI	3T

21	Culham, Jody	Human neural representations of food stimuli	3T
22	Culham, Jody	Functional connectivity for actions upon real objects and images	3T
23	Culham, Jody	Representational similarity analysis (RSA) of object form, material and grasp points	3T
24	Culham, Jody	Neural correlates of manual interception of moving objects	3T
25	Corniel, Brian	MagnetoVestibular Stimulation	7T
26	de Ribaupierre, Sandrine	Brain Variability in Children with IVH	3T
27	Diedrichsen, Jeorn	ExtFlexion	7T
28	Diedrichsen, Jeorn	FiveDigitFreq	7T
29	Diedrichsen, Jeorn	LongSeqLearn	7T
30	Diedrichsen, Jeorn	Role of the cerebellum in motor control and cognition	3T
31	Duggal, Neil	Rat model of spinal cord compression	9.4T
32	Everling, Stefan	Functional reorganization following prefrontal stroke	7T
33	Everling, Stefan	Chemogenetic deactivation of frontal cortex in macaque monkeys	7T
34	Everling, Stefan	Awake fMRI in marmoset monkeys	9.4T
35	Everling, Stefan	Chemogenetic deactivation in marmoset monkeys	9.4T
36	Finger, Elizabeth	Mimicry and oxytocin for empathy in FTD	3T
37	Finger, Elizabeth	Facial Expression Recognition in FTD and Family Members	3T
38	Goodale, Mel	Representation of haptic size in sighted and blind individuals	3T
39	Goodale, Mel	Neural changes in the blind brain associated with wearing an audio bracelet for the blind interaction	3T
40	Goodale, Mel	Principles underlying representation of animate and inanimate objects in the ventral stream	3T
41	Grahn, Jessica	Neural correlates of music familiarity	7T
42	Grahn, Jessica	Comparing beat perception in humans and on-human primates	7T
43	Grahn, Jessica	Role of basal ganglia in beat perception	7T
44	Hayden, Elizabeth	Children's brain and hormonal responses to mild stress	3T
45	Johnsrude, Ingrid	Domain-specific and domain-general music and language processing using fMRI	7T
46	Johnsrude, Ingrid	Neural correlates of speech intelligibility	7T

47	Johnsrude, Ingrid	Familiar voices in the brain	7T
48	Johnsrude, Ingrid	Neural patterns associated with streaming of ambiguous speech	7T
49	Johnsrude, Ingrid	Validation of movie-driven fMRI and memory paradigm	3T
50	Joanisse, Marc	Brain correlates of reading ability in children	3T
51	Khan, Ali	Quantitative imaging and image analytics for neurological interventions	3T/7T
52	Khan, Ali	Diffusion Modelling	9.4T
53	Khan, Ali	Diffusion Modelling	7T
54	Khan, Ali	Imaging and histological correlates of white matter hyperintensities with 7T MRI	7T
55	Kimpinski, Kurt	Neurogenic orthostatic hypotension, cognition and structural and functional brain differences	3T
56	Kohler, Stefan	Pattern separation in object perception	3T
57	Kohler, Stefan	Hippocampus ECT	7T
58	Kohler, Stefan	Retinotopy in hippocampus	7T
59	Kremenutzky, Marcelo	FMT in multiple sclerosis	3T
60	Lanius, Ruth	Mapping of the somatotopic representations of the superior colliculus of PTSD	7T
61	Lanius, Ruth	Prospective study: The dissociative subtype of PTSD	3T
62	MacDonald, Penny	Distinguishing the roles of ventral and dorsal striatum in cognition	3T
63	Menon, Ravi	Biomarkers of concussion in female rugby players	3T
64	Menon, Ravi	Characterization of MS lesions using QSM	7T
65	Menon, Ravi	High resolution fMRI in humans and nonhuman primates	7T
66	Menon, Ravi	Origin of cognitive deficits in multiple sclerosis	7T
67	Menon, Ravi	QSM	3T/7T
68	Menon, Ravi	RF	7T/9.4T
69	Mitchell, Derek	Neural responses to social versus non social threats	3T
70	Mitchell, Derek	Amplifying empathy related brain activity in youth with conduct problems	3T

71	Mitchell, Derek	Neural responses to social versus non-social threats	3T
72	Morton, Bruce	Genetic and environmental contributions to differences in self-regulation early in development	3T
73	Nagamatsu, Lindsay	Understanding the relationship between self-efficacy, cognitive function and brain health in older adults with MCI	3T
74	Nagamatsu, Lindsay	Does exercise improve cognitive function and brain health in older adults at-risk for diabetes	3T
75	Odasso, Manuel	The gait and brain study	3T
76	Odasso, Manuel	The Synergic trial	3T
77	Owen, Adrian	Investigating the neural mechanisms underlying learning	3T
78	Owen, Adrian	Neural mechanisms underlying autobiographical memory	3T
79	Owen, Adrian	Cognitive function in patients with disorders of consciousness	3T/7T
80	Palaniyappan, Lena	The Pathophysiology of thought disorder in psychosis	7T
81	Peters, Terry	Structural and functional imaging of epilepsy at 3T	3T
82	Pruszynski, Andrew	NHP RepStructure	7T
83	Rafat, Yasaman	Learning to read in a foreign content: the interaction and change of first and second language reading strategies	3T
84	Shoemaker, Kevin	Sensory nerve stimulation and autonomic neuromodulation	3T
85	Shoemaker, Kevin	CVD	3T/7T
86	Thiessen, Jonathan	Multimodal in vivo imaging of glycolysis and perfusion in the C6 rat model of glioma	9.4T
87	Vasudev, Akshya	Central glutathione levels in women with late life depression	3T
88	Whitehead, Shawn/Thiessen, Jonathan	In vivo imaging of post stroke white matter inflammation in Alzheimer's disease transgenic rat	9.4T