

CFMM CFREF BrainsCAN Supported MRI Studies

Number of Studies	Principal Investigator	Title of Study	Platform
1	Ansari, Daniel	Adaptation	3T
2	Ansari, Daniel	Number symbols in the brain and mind	3T
3	Ansari, Daniel	Enumeration Adaptation	3T
4	Bartha, Rob	Imaging pH: Development of MRI probes for In-Vivo pH mapping	9.4T
5	Bartha, Rob	Imaging pH: Development of MRI probes for In-Vivo pH mapping	7T
6	Bartha, Rob	Frontotemporal Degeneration in ALS	9.4T
7	Bartha, Rob	Alzheimer's mouse models and memantine plus vitamin D	9.4T
8	Bartha, Rob	Metabolic and Functional Brain State: New indicators of early Alzheimer's Disease	7T
9	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
10	Brown, Arthur/Bartha, Rob	Imaging in a mouse model of concussion	9.4T
11	Butler, Blake	Visually-evoked activity in the cat	7T
12	Butler, Blake	Developmental Imaging	7T
1	Burneo, Jorge	Malformations of cortical development imaging study	3T
14	Burneo, Jorge	7T Temporal lobe epilepsy study	7T
15	Culham, Jody	fMRI data for psychology 9223 and online tutorials	3T/7T
16	Culham, Jody	Neutral coding within human brain regions involved in size constancy	3T
17	Culham, Jody	Neurological mechanisms underlying the understanding of social action	3T
18	Culham, Jody	Mitigating mass distribution artifacts in fMRI	3T
19	Culham, Jody	Human neural representations of food stimuli	3T
22	Culham, Jody	Functional connectivity for actions upon real objects and images	3T
21	Culham, Jody	Neural correlates of manual interception of moving objects	3T
22	Culham, Jody	Representational similarity analysis (RSA) of object form, material and grasp points	3T
23	deRibaupierre, Sandrine	Brain variability in children with IVH	3T
24	Diedrichsen, Jeorn	ExtFlexion	7T
25	Diedrichsen, Jeorn	FiveDigitFreq	7T
26	Diedrichsen, Jeorn	LongSeqLearn	7T
27	Diedrichsen, Jeorn	Role of the cerebellum in motor control and cognition	3T
28	Duggal, Neil	Rat model of spinal cord compression	9.4T
29	Everling, Stefan	Functional reorganization following prefrontal stroke	7T
30	Everling, Stefan	Chemogenetic deactivation of frontal cortex in macaque monkeys	7T
31	Everling, Stefan	Awake fMRI in marmoset monkeys	9.4T
32	Everling, Stefan	Chemogenetic deactivation in marmoset monkeys	9.4T
33	Finger, Elizabeth	Mimicry and oxytocin for empathy in FTD	3T
34	Goodale, Mel	Neural changes in the blind brain associated with wearing an audio bracelet for blind interaction	3T
35	Goodale, Mel	Representation of Haptic size in sighted and blind individuals	3T
36	Grahn, Jessica	Neural correlates of music familiarity	7T
37	Grahn, Jessica	Comparing beat perception in humans and on-human primates	7T
38	Grahn, Jessica	Role of basal ganglia in beat perception	7T
39	Hayden, Elizabeth	Children's brain and hormonal responses to mild stress	3T
40	Johnsrude, Ingrid	Domain-specific and domain-general music and language processing using fMRI	7T
41	Johnsrude, Ingrid	Familiar voices in the brain	7T
42	Johnsrude, Ingrid	Neural patterns associated with streaming of ambiguous speech	7T
43	Johnsrude, Ingrid	Validation of movie-driven fMRI and memory paradigm	3T
44	Joannissee, Marc	Brain correlates of reading ability in children	3T
45	Khan, Ali	Quantitative imaging and image analytics for neurological interventions	3T/7T
46	Khan, Ali	Imaging and histological correlates of white matter hyperintensities with 7T MRI	7T
47	Kimpinski, Kurt	Neurogenic orthostatic hypotension, cognition and structural and functional brain differences	3T
48	Kohler, Stefan	Pattern separation in object perception	3T
49	Kremenchutzky, Marcelo	FMT in multiple sclerosis	3T
50	Lanius, Ruth	Mapping of the somatotopic representations of the superior colliculus of PTSD	7T
51	Lanius, Ruth	Prospective study: The dissociative subtype of PTSD	3T
52	MacDonald, Penny	Distinguishing the roles of ventral and dorsal striatum in cognition	3T
53	Menon, Ravi	Biomarkers of concussion in female rugby players	3T
54	Menon, Ravi	Characterization of MS lesions using QSM	7T
55	Menon, Ravi	High resolution fMRI in humans and nonhuman primates	7T
56	Menon, Ravi	Origin of cognitive deficits in multiple sclerosis	7T
57	Menon, Ravi	QSM	3T/7T
58	Menon, Ravi	RF	7T/9.4T
59	Mitchell, Derek	Neural responses to social versus non social threats	3T
60	Morton, Steve	Genetic and environmental contributions to differences in self-regulation early in development	3T
61	Nagamatsu, Lindsay	Understanding the relationship between self-efficacy, cognitive function and brain health in older adults with MCI	3T
62	Nagamatsu, Lindsay	Does exercise improve cognitive function and brain health in older adults at risk of diabetes?	3T
63	Odasso, Manuel	The gait and brain study	3T
64	Odasso, Manuel	The Synergic trial	3T
65	Owen, Adrian	Investigating the neural mechanisms underlying learning	3T
66	Owen, Adrian	Neural mechanisms underlying autobiographical memory	3T
67	Palaniyappan, Lena	The Pathophysiology of thought disorder in psychosis	7T
68	Peters, Terry	Structural and functional imaging of epilepsy at 3T	3T
69	Pruszynski, Andrew	NHP RepStructure	7T
70	Rafat, Yasaman	Learning to read in a foreign content: the interaction and change of first and second language reading strategies	3T
71	Shoemaker, Kevin	Sensory nerve stimulation and autonomic neuromodulation	3T
72	Shoemaker, Kevin	CVD	3T/7T
73	Thiessen, Jonathan	Multimodal in vivo imaging of glycolysis and perfusion in the C6 rat model of glioma	9.4T
74	Vasudev, Akshya	Central glutathione levels in women with late life depression	3T
75	Whitehead, Shawn/Thiessen, Jonathan	In vivo imaging of post stroke white matter inflammation in Alzheimer's disease transgenic rat	9.4T