

Accelerator Program Results from 2017-04-05 to 2019-10-30

Funding Cycle	Award Type	Lead PI	Dept	Co-Applicants/ Collaborators	Title	Value
2017-04-05	Stimulus	Beraldo de Paiva, Flavio	Physiology & Pharmacology	Prado, Marco; Prado, Vania	Using automated touchscreen tasks for cognitive assessment in the alpha-synuclein Parkinson's mouse model M83	\$69,937.00
2017-04-05	Stimulus	Brown, Arthur	RRI		Evaluating cognitive impairment and imaging and blood biomarkers in a mouse model of concussion	\$100,000.00
2017-04-05	Stimulus	Butler, Blake E	Psychology	Lomber, Steve	Imaging visually-evoked cortical activity in the cat at 7T	\$90,265.00
2017-04-05	Stimulus	Cumming, Robert	Biology		Genetic manipulation of lactate metabolism to regulate memory and Alzheimer's disease pathogenesis.	\$53,684.00
2017-04-05	Stimulus	de Ribaupierre, Sandrine	CNS	McKenzie, Charles; de Vrijer, Barbra; Eagleson, Roy	Imaging fetal brain connectivity in high risk pregnancy: Can it influence the incidence of neurodevelopmental and psychiatric problems?	\$39,500.00
2017-04-05	Stimulus	Diedrichsen, Joern	Computer Science	Ejaz, Naveed	State-of-the-art clinical assessment of hand function in stroke and cervical spondylotic myelopathy	\$82,260.00
2017-04-05	Stimulus	Everling, Stefan	Physiology & Pharmacology	Menon, Ravi; Ma, Liya	Single-photon calcium imaging for interrogating the circuitry of the frontoparietal cognitive control network in awake behaving marmosets	\$60,944.00
2017-04-05	Stimulus	Johnsrude, Ingrid	Psychology, Comm Sci & Disorders	Billig, Alex	Characterizing auditory cortical receptive fields	\$54,019.00
2017-04-05	Stimulus	Lomber, Stephen	Physiology & Pharmacology; Psychology	Butler, Blake	Development of fMRI Compatible Reversible Deactivation to Examine Cerebral Networks	\$109,917.00
2017-04-05	Stimulus	MacDonald, Penny	CNS	Khan, Ali	Investigating VTA, SNc, and dopamine projections in the brain using MRI	\$43,080.00
2017-04-05	Stimulus	Prado, Marco	RRI	Prado, Vania	Recording neuronal activity using miniscopes in behaving genetically-modified mice	\$109,998.00
2017-07-04	Stimulus	Allman, Brian	Anatomy & Cell Biology	Walton, Paul	Development of a novel pharmaceutical to prevent noise-induced hearing loss	\$69,000.00
2017-07-04	Stimulus	Corneil, Brian	Physiology & Pharmacology		Magneto-vestibular Stimulation (MVS): effects on behaviour and resting state networks	\$63,895.00
2017-07-04	Stimulus	Joanisse, Marc	Psychology	Stevenson, Ryan; Ansari, Daniel; Hayden, Elizabeth; Cardy, Janis; Archibald, Lisa;	Neurocognitive, Genetic and Environmental Risk Factors of Learning Disorders in Children	\$97,209.00
2017-07-04	Stimulus	Johnsrude, Ingrid	Psychology	Herrmann, Bjorn	System-wide electrophysiological assessment of hearing	\$57,260.00
2017-07-04	Stimulus	Khan, Ali	Medical Biophysics	Baron, Corey	DiffusionMRI modelling of the cortex by macro- and myelo-architecture	\$75,900.00
2017-07-04	Stimulus	Martinez-Trujillo, Julio	Physiology & Pharmacology		The role of the basolateral amygdala in gaze aviodance behaviour	\$85,910.00
2017-07-04	Stimulus	Renaud, Stephen	Anatomy & Cell Biology	Schmid, Susanne	The impact of maternal immune activation on fetal brain development	\$68,300.00
2017-10-03	Stimulus	Bussey, Tim	Physiology & Pharmacology		The role of Astrocytes in memory: Focus on pattern separation	\$94,500.00
2017-10-03	Stimulus	MacDonald, Penny	CNS	Hicks, Justin; Anazodo, Udunna	Relating functional and structural signatures of Parkinson's disease to changes in dopamine signaling: A PET/fMRI study	\$98,500.00
2017-10-03	Stimulus	McIntyre, Chris	Medicine; Medical Biophysics		Protecting against hemodialysis induced neuro-cognitive injury	\$20,000.00
2017-10-03	Stimulus	Mitchell, Derek	Psychiatry; ACB; Psychology		The impact of violent gaming on the brain as a function of individual differences in trait empathy	\$51,125.00
2017-10-03	Stimulus	Prado, Vania	RRI		Role of microglia signaling in brain circuit development and cognition.	\$90,000.00
2017-10-03	Stimulus	Rajakumar, Raj	Anatomy & Cell Biology	Allman, Brian	Growing New Dendritic Spines to Correct Cognitive Deficits of Schizophrenia	\$79,000.00
2017-10-03	Stimulus	Schmid, Susanne	Anatomy & Cell Biology	Allman, Brian; Stevenson, Ryan; Cardy Janis	Establishing a translational platform for studying sensory processing in neurodevelopmental disorders	\$66,500.00
2018-05-01	Stimulus	Herrmann, Bjorn	Psychology	Johnsrude, Ingrid	Assessing listening with engaging, real-world auditory signals	\$74,474.00
2018-05-01	Stimulus	St Lawrence, Keith	Medical Biophysics	Owen, Adrian; Debicki, Derek; Gofton, Teneille; Milej, Daniel	Communicating with patients with disorders of consciousness by translating thoughts into light	\$66,180.00
2018-05-01	Stimulus	Thiessen, Jonathan	Medical Biophysics	Whitehead, Shawn; Hicks, Justin; Fox Matthew	PET and MRI Measurements of Neuroinflammation and Brain Plasticity After a Stroke	\$99,920.00
2018-05-01	Stimulus	Whitehead, Shawn	Anatomy & Cell Biology	Yeung, Ken; Kiser, Patti; Walton, Paul	Exosome delivery of siRNA to prevent ganglioside degradation post-stroke	\$92,000.00
2018-10-30	Stimulus	Allman, Brian	Anatomy & Cell Biology		Uncovering the Neural Basis of Cognitive Impairment following Hearing Loss: An All-Optical Electrophysiology Approach	\$95,900.00

2018-10-30	Stimulus	Culham, Jody	Psychology	Johnsrude, Ingrid; Martinez-Trujillo, Julio; VPixx Technologies	Development of Virtual Gaming Environments for Functional Magnetic Resonance Imaging	\$89,854.00
2018-10-30	Stimulus	Debicki, Derek	CNS	St Lawrence, Keith; Owen, Adrian; Gofton, Teneille	Use of functional near-infrared spectroscopy (fNIRS) to detect brain activity associated with passive auditory and sensory processing in comatose survivors of cardiac arrest	\$52,071.60
2018-10-30	Stimulus	Everling, Stefan	Physiology & Pharmacology	Vijayraghavan, Susheel; Johnston, Kevin; Inoue, Wataru	Single-photon calcium imaging for interrogating the circuitry of the frontoparietal cognitive control network in awake behaving marmosets	\$46,736.00
2018-10-30	Stimulus	Grahn, Jessica	Psychology	Butler, Blake; Joannis, Marc; Everling, Stefan	Validating methods for using noninvasive brain stimulation to influence auditory perception	\$91,980.00
2018-10-30	Stimulus	Hayden, Elizabeth	Psychology	Joannis, Marc; Liu, Pan	Altering high-risk trajectories in adolescent depression via attention bias modification training: Neural predictors and mechanisms	\$81,200.00
2018-10-30	Stimulus	Inoue, Wataru	Physiology & Pharmacology	Allman, Brian; Martinez-Trujillo, Julio	Developing optogenetics/electrophysiology applications for studying cognitive impairment during stress	\$55,000.00
2018-10-30	Stimulus	Johnsrude, Ingrid	Psychology, Comm Sci & Disorders	Irisk, Vanessa; Van Hedger, Stephen	The effect of musical training on speech and sound perception	\$59,599.00
2018-10-30	Stimulus	Kerfoot, Steven	Microbiology & Immun	Morrow, Sarah; Menon, Ravi; Beraldo, Flavio	Developing behavioral testing and MR imaging to evaluate cognitive impairment in a mouse model of CNS autoimmunity	\$57,270.00
2018-10-30	Stimulus	Pruszynski, Andrew	Physiology & Pharmacology	Martinez-Trujillo, Julio; Everling, Stefan; Hantman, Adam	Somatosensory microcircuits for real-world hand function	\$99,132.00
2019-05-21	Full	Butler, Blake E	Psychology	Allman, Brian; Menon, Ravi; Lomber, Stephen	Developing a mechanistic understanding of crossmodal reorganization following sensory loss	\$447,675.00
2019-05-21	Stimulus	Martinez-Trujillo, Julio	Physiology & Pharmacology	Muller, Lyle; Williamson, Adam	Multi-area organization of saccade-evoked traveling waves in the marmoset neocortex	\$100,850.00
2019-05-21	Stimulus	Nagamatsu, Lindsay	Kinesiology	Mitchell, Derek; Minda, Paul; Burhan, Amer; Horst, Becky	Can self-efficacy training improve memory and functional activation in older adults with Mild Cognitive Training? A proof-of-concept intervention study	\$39,800.00
2019-05-21	Stimulus	Stojanoski, Bobby	Psychology	Joannis, Marc; Stevenson, Ryan; Cambridge Brain Sciences	Developing and validating tools to assess higher level cognition in children and adolescents	\$96,050.00