

Titles of 2006 Undergraduate Thesis (Psych 4D06-4D09) Research Projects

Supervisors within the Department of Psychology, Neuroscience & Behaviour

Thesis Title	Supervisor	Student	Programme
Exciting new method of exploring contingency judgments (4D09)	Dr. L. Allan	L. Hord	Hon BSc Cogn&Perc
Depressive realism: A reality or not? (4D06)	Dr. L. Allan	N. Mulpuru	Hon BA Dev
Inducing social learning of a novel task: A first step prior to looking at how the learned behaviour of a demonstrator finch will spread through the social nexus of zebra finches (<i>Taeniopygia guttata</i>) (4D06)	Dr. L. Allan	L. Smale	Hon BA Evol & Soc Beh
Would waiting period influence one's judgment: The intertribal interval effect on control judgments (4D09)	Dr. L. Allan	W.Y.E. Wong	Hon BA Dev
The hormonal basis of sexual conflict: A comparative study using Cichlid Fishes (4D09)	Dr. S. Balshine	C. Diep	Hon Bio & Psych
To choose or not to choose? Mate selection in <i>Neolamprologus pulcher</i> (4D09)	Dr. S. Balshine	K. Sharland	Hon BA Dev
An integrated model of contextual memory and reinforcement learning in a spatial task (4D06)	Dr. S. Becker	K. Drennan-Scace	Hon BSc Evol & Soc Beh
Influence of environmental landmark and layout information on navigation (4D06)	Dr. S. Becker	K. Malhie	Hon BSc Beh Nrsc
Examining the effects of suppressed neurogenesis on neurocognitive behaviour in stressed and depressed undergraduates (4D06)	Dr. S. Becker	S. Mohamed	Hon Bio & Psych
Androgen levels and parental care in Mongolian Gerbils (4D06)	Dr. M. Clark	M. Douglass	Hon BA
Perceived resemblance and paternal investment (4D06)	Dr. M. Daly	J. Santo Domingo	Hon BSc Evol & Soc Beh
The effect of birth order on volunteerism (4D09)	Dr. M. Daly	N. Schoeneberg	Hon BA
Anogenital distance and male-accelerated puberty in female CF-1 mice (<i>Mus musculus</i>) (4D09)	Dr. D. deCatanzaro	Y. Akinfemiwa	Hon Bio & Psych
The influence of the preputial glands on the acceleration of first estrous in female mice (4D06)	Dr. D. deCatanzaro	S. Fernandes	Hon BSc Beh Nrsc
Human male steroid dynamics in relation to social variables (4D09)	Dr. D. deCatanzaro	L. Taylor	Hon BSc
Influence of a phytoestrogen diet on sexual maturation in female mice (<i>Mus musculus</i>) in the presence or absence of male conspecifics (4D09)	Dr. D. deCatanzaro	K. Wong	Hon Bio & Psych
The effect of developmental temperature on learning and courtship behaviour in fruit flies (4D09)	Dr. R. Dukas	N. Garzia	Hon Bio & Psych
Socially transmitted flavor aversions in rats may be mediated by the strength of the aversion (4D06)	Dr. B.G. Galef	F. Ahmad	Hon Bio & Psych
Factors affecting the decision to seek medical attention (4D09)	Dr. K. Humphreys	A. Cooper	Hon BSc
The grammar, we apply (It): The influence of L1 Grammar on L2 (4D09)	Dr. K. Humphreys	A. Tawil	Hon BSc
Repetition benefits of text rereading in good and poor young readers (4D09)	Dr. B.A. Levy	O. Leung	Hon BSc Beh Nrsc
Lack of attention does not cause poor learning in blocked training (4D09)	Dr. B.A. Levy	N. Schlee	Hon BA Dev
Can children spot a faker? Children's sensitivity to genuine versus posed facial expressions (4D09)	Dr. D. Maurer	K. Melak	Hon BSc
Bilateral extinction due to right hemispheric precociousness in infancy? (4D09)	Dr. D. Maurer	M. Messih	Hon Bio & Psych
Investigating stimulus-driven control in the Simon Task using the context specific proportion compatible manipulation (4D09)	Dr. B. Milliken	S. Thomson	Hon Bio & Psych
Generation and modulation of LTP in the rat motor cortex (4D09)	Dr. R. Racine	F. Budhani	Hon Bio & Psych
The effect of sensory protection on the muscle spindle following	Dr. R. Racine	A. Elsohemy	Hon BSc

peripheral nerve injury (4D09)			Beh Nrsc
The developing steady-state response from cortical childhood to maturity (4D09)	Dr. L. Roberts	M. Beintema	Hon Bio & Psych
Sex differences in perceiving emotion in Point-Light Displays of biological motion (4D09)	Dr. M. Rutherford	J. Campbell	Hon BA
Sex differences in cueing effects of social (eye movement) and control (fact) stimuli (4D06)	Dr. M. Rutherford	P. Rosenberg	Hon BA
Social communication via the internet: A new tool to study old questions in experimental social psychology regarding person-context interactions (4D09)	Dr. L. Schmidt	N. Ma	Hon Bio & Psych
Selective Mutism and Anxiety Disorders: Characteristics of parent-child interactions (4D06)	Dr. L. Schmidt	J. MacSween	Hon BA
Frontal EEG asymmetry as a trait-like index of personality in Schizophrenia (4D09)	Dr. L. Schmidt	A. Miles	Hon BA
Selective Mutism, Social Phobia and parenting: The relation between parental psychopathology and child anxiety (4D06)	Dr. L. Schmidt	C. Regis	Hon Bio & Psych
Cognitive abilities in selectively mute, socially phobic and clinical control children	Dr. L. Schmidt	J-L. Sawyer	Hon BA Psych & Soc Wk
Characterizing orientation tuning channels in younger and older humans (4D09)	Dr. A. Sekuler	E. Roche	Hon BSc Beh Nrsc
N170 modulation to information distribution in faces (4D09)	Dr. A. Sekuler	M. Sergi	Hon Bio & Psych
Item-specific proportion congruent effects in global/local processing: An ERP study (4D09)	Dr. J. Shedden	C. Chasin 0248014	Hon Arts & Sci & Psych
Recruitment of visual cortex in tactile tasks (4D09)	Dr. D. Shore	I. Dhanoa	Hon BA
ERPs and hand posture (4D09)	Dr. D. Shore	M. Granger	Hon BA
Effects of response demands on the crossed hands deficit (4D09)	Dr. D. Shore	J. Walker-Battick	Hon BSc Beh Nrsc
The effect of spatial updating on encoding of object spatial properties (4D09)	Dr. H. Sun	M. Bailey	Hon Bio & Psych
Examining the nature of multi-sensory integration in traversed distance estimation using Virtual Reality (4D09)	Dr. H. Sun	A. Brucker	Hon BSc Beh Nrsc
Affects of spatial and temporal perception, and attentional demand on distance estimation (4D06)	Dr. H. Sun	N. No	Hon Bio & Psych
The effects of optical compression and magnification on distance estimation (4D09)	Dr. H. Sun	Z. Vucetic	Hon Bio & Psych
What the eyes say about what the ears hear: A methodological study of the use of anticipatory eye movements in infant auditory discrimination (4D06)	Dr. L. Trainor	A. Massicotte	Hon Bio & Psych
Maturation of Auditory Evoked Potentials in musician and non-musician children aged 4 to 16 years (4D09)	Dr. L. Trainor	K. Reynolds	Hon Bio & Psych
Can infants differentiate between two melodies with identical rhythm? (4D09)	Dr. L. Trainor	S. Scaini	Hon Bio & Psych
Effects of musical experience on processing transitional probabilities in Hindustani Raga Structure (4D09)	Dr. L. Trainor	H. Sriskanda	Hon Bio & Psych
Associating peer abuse to changes in cortisol (4D09)	Dr. T. Vaillancourt	D. Clark	Hon BA
Parenting discipline styles and preschooler's aggression: The moderating role of sex (4D09)	Dr. T. Vaillancourt	J. Cometto	Hon BA Beh Nrsc
Narcissism and vengeance: What are evaluations of others truly based upon? (4D09)	Dr. T. Vaillancourt	G. Trull	Hon BA
Effects of post-event contexts and reporting biases on eyewitness memory (4D06)	Dr. S. Watter	J. Grundy	Hon BSc
Impulsiveness and future discounting: For self and for others (4D06)	Dr. M. Wilson	Y. Lu	Hon BSc
Mate-choice copying in humans and the Wedding Ring Effect (4D06)	Dr. M. Wilson	H. Soliman	Hon BSc
Family cues to genetic quality: Does the attractiveness of your siblings affect your own ability to attract mates? (4D06)	Dr. M. Wilson	J. Wade	Hon Bio & Psych

4D06 Supervisors outside the Psychology Department

Examining the role of emotional intelligence on problem solving ability in depressed individuals	Dr. P. Bieling	T. Pataki	Hon BA
Overcoming diagnostic biases	Dr. K. Eva	L. Cameron	Hon Bio & Psych
The relevance of personality testing to medical career choice	Dr. K. Eva	C. Peters	Hon Bio & Psych
Detecting genetic variation through PCR Restriction Length Fragment Polymorphism Analysis	Dr. J. Foster	R. MacKenzie	Hon BSc Life Sci
Facial emotion perception in Bipolar Depression	Dr. G. Hall	R. Magwood	Hon Bio & Psych
Stages of change and development of a self-management approach in chronic pain	Dr. E. Hapidou	D. Nassar	Hon BSc Beh Nrsc
Social script training and the use of video modeling	Dr. J. Hundert	E. Harrison	Hon Bio & Psych
Comparing high-rate embedded and low-rate embedded instruction to nonembedded instruction on the acquisition and generalization of learning in a boy with Autism	Dr. J. Hundert	L. Moss	Hon BSc Biology
Teaching inferences to children with autism using embedded instruction	Dr. J. Hundert	S. van Delft	Hon Bio & Psych
School readiness and speech impairments among monolingual and bilingual children in Canada	Dr. M. Janus	M. Malaga	Hon BA Hispanic & Psy
Efficacy of Cognitive-Behavioral Therapy in treating aggression and depression in the Acquired Brain Injured population	Dr. B. Linder	M. Zablocki	Hon BA
Stability of physical and sexual abuse self-reports	Dr. H. MacMillan	G. Watson	Hon BSc
Emotion recognition in persons with Schizophrenia	Dr. H. McNeely	N. Jacob	Hon BA Evol & Soc Beh
Infant attachment security, maternal sensitivity, and maternal state of mind with respect to the infant in mothers who register for an Attachment Based Parenting course	Dr. A. Niccols	A. Smith	Hon BA
The effect of invoking global and local processing on Dermatology diagnosis in novices	Dr. G. Norman	L. Barber	Hon Bio & Psych
Instantiated features: The effect of biasing features on pseudo-psychiatric diagnosing	Dr. G. Norman	J.D. Palmer	Hon BSc
The influence of education and logical reasoning ability on the outcome of CBT for Depression	Dr. I. Patelis - Siotis	A.C. Andreescu	Hon BA Evol & Soc Beh
Questionnaire and interview for Quality of Life in individuals with Bipolar Disorder	Dr. I. Patelis - Siotis	D. Budhoo	Hon BA
Early predictors of success of intensive behavioural intervention for young	Dr. J. Reitzel	J. El-Hamzawi	Hon BA
Observation and rating of joint	Dr. J. Reitzel	M. Keilty	Hon BA Cogn & Percept
Early pregnancy disruptions in female mice (<i>Mus musculus</i>): Exposure to novel transgenic growth hormone males vs wild type controls	Dr. D. Rollo	A. Kumar	Hon BSc Beh Nrsc
Response to CBT for mood disorders and trauma symptoms	Dr. I. Smith	M. Sugar	Hon BSc
The effect of the parameterization of formal rules on the structure of networks	Dr. W. Sullis	P. Kwok	Hon BA
Can an instructional manual be used to help improve parents' ability to teach their children with Angelman Syndrome?	Dr. J. Summers	E. Hall	Hon Bio & Psych
Pilot study to assess the feasibility of using the Autism Observation Scale for Infants (AOSI) with children with Angelman Syndrome	Dr. J. Summers	M. Ouwehand	Hon BA Dev
The effect of the Basolateral Amygdala lesions in Quinpirole induced compulsive checking in rats	Dr. H. Szechtman	K. D'Souza	Hon Bio & Psych
The role of the basolateral nucleus of the amygdale in quinpirole	Dr. H.	K. Tota	Hon Bio &

induced checking behaviour	Szechtman		Psych
Cognitive changes following Acquired Brain Injury and stroke: The relationship between visual and verbal cognitive dysfunction	Dr. D. Velikonja	C. Webber	Hon BA
A comparison of single-target stimulus and multiple-target stimuli on acquisition rate and stimulus generalization for a receptive discrimination task	Dr. N. Walton-Allen	T. Jessop	Hon BA
An evaluation of the effects of activity-embedded instruction on the initiation, correct responding and generalization to home for children with Autism	Dr. N. Walton-Allen	T. Sandham	Hon BA Dev
A comparison of high-p's, quick pacing and embedded reinforcement on attending behaviour, acquisition and stimulus generalization ????	Dr. N. Walton-Allen	A. Sarkar	Continuing
Sociotropy and autonomy in clinically depressed and community nondepressed female adolescents	Dr. S. Williams	M.C. Cappadocia	Hon BA Dev
Adolescent depression: The role of maternal conflict and support	Dr. S. Williams	R. Lovan	Hon BSc Dev

Joint Supervisors (combination of supervisors within and/or outside the Psychology Department)

Monitoring during spoken word production: An ERP study (4D09)	Dr. K. Humphreys Dr. J. Shedden Dr. S. Watter	B. Herechuk	Hon Bio & Psych
Greater noise interference with orientation sensitivity in 7-year-olds versus adults (4D09)	Dr. T. Lewis Dr. D. Jones	D. Chang	Hon BSc Beh Nrsc
Predictors of treatment resistance in patients with Obsessive-Compulsive Disorder (4D06)	Dr. C. Mancini Dr. M. Van Ameringen	R. Hardie	Hon BA Beh Nrsc
Human Temporal Bisection Tasks and the Scalar Timing Model (4D06)	Dr. C. Mancini Dr. M. Van Ameringen	K. Lee	Hon BA Dev
Callosal-Prefrontal LTP is dose-dependently inhibited by D2 receptor antagonism in rats (4D09)	Dr. R. Racine Dr. R. Coppahopman	D. Kupferschmidt	Hon Bio & Psych
Phase dynamics in the 40Hz Auditory Steady State Response (4D09)	Dr. L. Roberts Dr. D. Bosnyak	S. Stevens	Hon BA Beh Nrs
The effects of residual inhibition on Tinnitus (4D09)	Dr. L. Roberts Dr. D. Bosnyak	O. Symczyk	Hon Bio & Psych
Recognition and discrimination of faces in individuals with Autism Spectrum Disorder (4D09)	Dr. A. Sekuler Dr. M. Rutherford	T. Nahirny	Hon Bio & Psych
An investigation of how people of different gender and culture estimate the world (4D06)	Dr. W. Sulis Dr. I. Trofimova	V. Marques	Hon BA
Viewpoint and spatial memory: Investigating the importance of different target characteristics (4D06)	Dr. H. Sun G. Chan	D. Ziemianski	Hon Bio & Psych

Titles of 2006 Undergraduate Thesis (NEURCOMP 4D09) Research Projects

Neural Network Model of hippocampus-striatum interactions: Contextual-based modulation of conditioned behaviours	Dr. S. Becker	M. Turnock	Hon BSc Neural Comp (BN)
Influence of attention on auditory saltation	Dr. D. Shore	E. Treleaven	Hon BSc Neural Comp (BN)

Note: The Hons. B.Sc. Neural Computation program has been phased out.