

# Simon Fraser University

## Fiscal Year 2008: NSERC Competition Results and On-Going Grants: Positive Results only

List received: 31 MAR 08 (List revised as of 2 JUN 08)

Includes: RGPIN, RGPGP, SAPIN

Applicant Name	DEPT	Program	Applica- tion ID	Title	Co- Applicants	GSC	Committee Name	Instal.	Awarded Amount	Conditional	Certification
Nelson, DE	ARCH	RGPIN	3257	Archaeometric research		21	Interdisciplinary	2/3	25,000.00		EI
Beckenbach, AT	BISC	RGPIN	6716	Comparative genomics of animal mitochondria: structure, functi		33	Molecular and Developmental Genetics	5/5	39,340.00		EI
Bendell-Young, LI	BISC	RGPIN	227217	Marine biogeochemistry and ecotoxicology of cadmium in the Pa		18	Evolution and Ecology	4/5	28,000.00		EI
Bisgrove, SR	BISC	RGPIN	327163	How microtubules regulate plant growth and development		3	Plant Biology and Food Science	3/5	37,000.00		BIO
Breden, FJ	BISC	RGPIN	138178	Genetic and genomic approaches to sexual selection		18	Evolution and Ecology	2/5	29,450.00		ANI EI
Christians, JK	BISC	RGPIN	326791	Physiological and genetic mechanisms underlying variation in gr		1011	Integrative Animal Biology	3/5	32,822.00		ANI EI
Côté, IMC	BISC	RGPIN	328224	Novel approaches to coral reef conservation		18	Evolution and Ecology	3/5	32,000.00		ANI EI
Crespi, BJ	BISC	RGPIN	121575	Phylogenetic and behavioural-ecological analysis of adaptive rad		18	Evolution and Ecology	5/5	72,500.00		EI
Dill, LM	BISC	RGPIN	6869	Fear factor: non-lethal effects of predators on individuals, popula		18	Evolution and Ecology	3/5	55,000.00		ANI EI
Elle, E	BISC	RGPIN	227797	Trait evolution in community and landscape contexts		18	Evolution and Ecology	3/5	27,900.00		EI
Green, DJ	BISC	RGPIN	261899	Dispersal and migration behaviour of birds in natural and modifie		18	Evolution and Ecology	5/5	22,000.00		ANI BIO EI
Gries, GJ	BISC	RGPIN	138394	Mechanisms of insect communication and host selection: new re		18	Evolution and Ecology	4/5	28,000.00		
Guttman, JA	BISC	RGPIN	355316	Indentification of novel molecular components at the cell periphe		32	Cell Biology	1/5	35,000.00		BIO
Hart, MW	BISC	RGPIN	203052	Reproduction and population genetics in marine invertebrates		18	Evolution and Ecology	5/5	25,000.00		
Hauerland, NH	BISC	RGPIN	41988	fatty acid-mediated gene control in animals		1011	Integrative Animal Biology	5/5	49,130.00		ANI BIO
Hutter, HS	BISC	RGPIN	312498	Functional analysis of neuronal IgCAMs in c. elegans		33	Molecular and Developmental Genetics	3/5	47,900.00		BIO
Kennedy, CJ	BISC	RGPIN	121390	Energetic costs of xenobiotic cellular defense mechanisms in fis		1011	Integrative Animal Biology	5/5	30,400.00		ANI
Kermode, AR	BISC	RGPIN	105744	Novel approaches for understanding conifer seed dormancy and		3	Plant Biology and Food Science	1/1	33,000.00		
Lank, DB	BISC	RGPIN	171290	Shorebird life histories at multiple levels of analysis		18	Evolution and Ecology	1/5	25,610.00	OnHold	ANI BIO EI
Lowenberger, CA	BISC	RGPIN	261940	Immune interactions between insects and parasites		1011	Integrative Animal Biology	1/5	45,000.00		ANI BIO
Mathewes, RW	BISC	RGPIN	3835	Vegetation dynamics and paleoclimate in western Canada		9	Environmental Earth Sciences	2/5	46,350.00		EI
Mattsson, JM	BISC	RGPIN	250089	Genetic dissection of vascular differentiation in arabidopsis and		3	Plant Biology and Food Science	2/2	30,000.00		BIO
Mooers, AO	BISC	RGPIN	238463	Applying evolutionary theory to biodiversity studies		18	Evolution and Ecology	1/5	46,788.00		HUM ANI EI
Moore, MM	BISC	RGPIN	105704	Virulence factors of the opportunistic fungal pathogen, aspergillu		32	Cell Biology	2/5	55,000.00		ANI BIO
Nicholson, RA	BISC	RGPIN	42113	modulation of synaptic function in brain		1011	Integrative Animal Biology	5/5	34,430.00		ANI
Novales Flamarique, I	BISC	RGPIN	238886	Mechanisms underlying chromatic organization of the retina and		1011	Integrative Animal Biology	4/5	44,478.00		ANI
Palsson, E	BISC	RGPIN	249789	Studying the interplay of cell adhesion chemotaxis and cell signa		21	Interdisciplinary	4/4	22,000.00		
Plant, AL	BISC	RGPIN	155303	Responses elicited in roots by environmental stress - a molecula		3	Plant Biology and Food Science	5/5	32,000.00		
Punja, ZK	BISC	RGPIN	46409	Plant root-fungal pathogen interactions		3	Plant Biology and Food Science	4/5	60,000.00		BIO
Reynolds, JD	BISC	RGPIN	341481	The ecology of vulnerability in fishes		18	Evolution and Ecology	2/5	43,310.00		ANI EI
Rintoul, GL	BISC	RGPIN	327651	Cellular mechanisms and functional consequences of mitochond		32	Cell Biology	2/3	20,000.00		BIO

Roitberg, BD	BISC	RGPIN	426	feeding tradeoffs in insects		18	Evolution and Ecology	5/5	59,000.00		BIO
Silverman, MA	BISC	RGPIN	327100	Protein trafficking in cultured hippocampal neurons		32	Cell Biology	3/5	36,000.00		ANI
Williams, TD	BISC	RGPIN	155395	Regulatory mechanisms and cost of reproduction		18	Evolution and Ecology	2/5	44,850.00		ANI BIO EI
Winston, ML	BISC	RGPIN	7774	Behavioural and pheromonal factors influencing the organization		18	Evolution and Ecology	5/5	45,000.00		ANI
Ydenberg, RC	BISC	RGPIN	92962	Predation danger and the annual cycle of migrants		18	Evolution and Ecology	4/5	51,300.00		ANI BIO EI
Choo, EU	BUS	RGPIN	8432	Issues and applications of calibration under multiple criteria		20	Industrial Engineering	4/5	11,000.00		
Gemino, C	BUS	RGPIN	239755	A multimedia tool for requirements engineering		20	Industrial Engineering	4/5	21,000.00		HUM
Gupta, S	BUS	RGPIN	327402	Sustainable operations: design and management of environmental		20	Industrial Engineering	3/5	16,000.00		
Love, CE	BUS	RGPIN	18305	Estimation and optimization of imperfectly repaired systems		20	Industrial Engineering	3/5	22,000.00		
Agnes, GR	CHEM	RGPIN	170234	Particulate air pollution related studies at the interface between a		26	Analytical and Physical Chemistry	1/5	41,000.00		
Andreoiu (Raduta), CA	CHEM	SAPIN	341307	Exotic atomic nuclei on the verge of nuclear stability		19	Subatomic Physics	2/3	45,000.00		
Bennet, AJ	CHEM	RGPIN	121348	Catalysis and reactivity in carbohydrate chemistry and biochemis		24	Inorganic and Organic Chemistry	2/5	92,000.00		BIO
Branda, NR	CHEM	RGPIN	194262	Molecular switching in materials and health science applications		24	Inorganic and Organic Chemistry	3/5	63,000.00		
Britton, RA	CHEM	RGPIN	326980	Development of new synthetic methods and their application in t		24	Inorganic and Organic Chemistry	3/3	37,000.00		
Eikerling, MH	CHEM	RGPIN	283193	Molecular modeling of interfacial structure and dynamics in prot		26	Analytical and Physical Chemistry	2/2	51,936.00		
Gates, BD	CHEM	RGPIN	312596	Nanostructured materials by design		26	Analytical and Physical Chemistry	1/2	37,000.00		
Hill, RH	CHEM	RGPIN	105340	Materials for device applications		24	Inorganic and Organic Chemistry	2/5	58,000.00		
Holdcroft, S	CHEM	RGPIN	93622	Nanostructured pi-conjugated polymers and proton conducting p		26	Analytical and Physical Chemistry	3/5	80,400.00		
Leach, GW	CHEM	RGPIN	155643	Structure, dynamics and reactivity at surfaces and interfaces		26	Analytical and Physical Chemistry	1/5	32,000.00		
Leznoff, DB	CHEM	RGPIN	227141	New frontiers in coordination chemistry magnetic properties, rea		24	Inorganic and Organic Chemistry	3/5	60,000.00		
Li, PCH	CHEM	RGPIN	216925	Biochip for cellomics and proteomics		26	Analytical and Physical Chemistry	3/5	46,400.00		BIO
O'Neill, MA	CHEM	RGPIN	312645	Conformationally Dynamics in Biomolecule function		24	Inorganic and Organic Chemistry	1/3	41,000.00		BIO
Percival, PW	CHEM	RGPIN	9295	Hydrogen atom and free radical chemistry probed with muons		26	Analytical and Physical Chemistry	3/5	50,000.00		
Pinto, BM	CHEM	RGPIN	38227	Nature and origin of carbohydrate mimicry		24	Inorganic and Organic Chemistry	5/5	100,000.00		ANI
Plettner, E	CHEM	RGPIN	222923	Discovery and modification of cytochrome P450		24	Inorganic and Organic Chemistry	4/5	48,000.00		ANI
Pomeroy, RK	CHEM	RGPIN	541	Organometallic chemistry of osmium		24	Inorganic and Organic Chemistry	3/3	30,000.00		
Vocadlo, DJ	CHEM	RGPIN	298406	Chemical strategies for studying O-glycosylation		24	Inorganic and Organic Chemistry	2/3	55,000.00		ANI BIO
Walsby, CJ	CHEM	RGPIN	312575	Magnetic resonance studies of bioinorganic systems		26	Analytical and Physical Chemistry	1/2	34,000.00		BIO
Wilkie, JJA	CHEM	RGPIN	228185	Theoretical methods for quantum chemical dynamics		26	Analytical and Physical Chemistry	5/5	46,000.00		
Williams, VE	CHEM	RGPIN	238724	Design and synthesis of dynamic materials		24	Inorganic and Organic Chemistry	3/5	39,000.00		
Wilson, PD	CHEM	RGPIN	217573	Methods and targets for asymmetric and total synthesis		24	Inorganic and Organic Chemistry	3/5	43,000.00		
Wolfe, S	CHEM	RGPIN	105321	Structure-activity and structure-reactivity relationships		24	Inorganic and Organic Chemistry	4/5	30,000.00		
Ye, ZG	CHEM	RGPIN	203773	Design, synthesis and characterization of multi-ferroic materials		24	Inorganic and Organic Chemistry	2/5	80,000.00		
Young, RN	CHEM	RGPIN	341724	Proof of concept molecules and molecular probes in drug discov		24	Inorganic and Organic Chemistry	1/5	47,050.00		
Yu, HZ	CHEM	RGPIN	239068	Surface chemistry of biochips: from immobilization strategy to el		26	Analytical and Physical Chemistry	1/5	60,000.00		
Atkins, MS	CMPT	RGPIN	8020	Computers in medicine for diagnosis and visualization		331	Computing and Information Sciences - B	4/5	37,000.00		HUM
Berenbrink, P	CMPT	RGPIN	250284	Analysis of Randomized Algorithms		331	Computing and Information Sciences - B	2/5	29,000.00		
Beyer, DT	CMPT	RGPIN	341819	Automated formal methods for reliable software components		330	Computing and Information Sciences - A	2/5	24,000.00		
Bhattacharya, BK	CMPT	RGPIN	2422	Application of computational geometry to facility location optimiz		331	Computing and Information Sciences - B	3/5	32,000.00		
Bulatov, AA	CMPT	RGPIN	313357	Constraint problems coplexity and algorithms		331	Computing and Information Sciences - B	4/5	30,000.00		

Dahl, V	CMPT	RGPIN	2436	Constraint based and hypothetical reasoning for human and mo		331	Computing and Information Sciences - B	3/5	30,000.00		
Delgrande, JP	CMPT	RGPIN	884	Belief change in rational agents		331	Computing and Information Sciences - B	2/5	33,000.00		
Drew, MS	CMPT	RGPIN	217149	Physics-based colour models in computer vision, colour science		331	Computing and Information Sciences - B	2/5	35,000.00		
Ergun, AF	CMPT	RGPIN	298343	Efficient algorithms for property testing of massive data		331	Computing and Information Sciences - B	5/5	22,000.00		
Ester, M	CMPT	RGPIN	250960	A clustering framework for the process of knowledge discovery i		330	Computing and Information Sciences - A	3/5	30,600.00		
Fedorova, SA	CMPT	RGPIN	346192	Use of operating system scheduling for enhanced performance &		330	Computing and Information Sciences - A	2/5	19,500.00		
Funt, BV	CMPT	RGPIN	4322	Computational colour perception with applications to colour fidel		331	Computing and Information Sciences - B	5/5	40,000.00		
Glaesser, UP	CMPT	RGPIN	262065	High level design of distributed embedded and mobile systems		330	Computing and Information Sciences - A	1/5	29,900.00		
Gu, Q	CMPT	RGPIN	250304	Optimization algorithms for WDM optical networks		331	Computing and Information Sciences - B	2/5	24,000.00		
Gupta, A	CMPT	RGPIN	105809	Bioinformatics and combinatorial algorithms		331	Computing and Information Sciences - B	3/5	33,000.00		
Hadley, RF	CMPT	RGPIN	899	Cognitive architecture in connectionist networks		331	Computing and Information Sciences - B	5/5	32,000.00		
Hamarneh, G	CMPT	RGPIN	298324	Computational optimization techniques for medical image analys		331	Computing and Information Sciences - B	2/5	21,000.00		
Havens, WS	CMPT	RGPIN	90307	Semi-systematic constraint solving methods		331	Computing and Information Sciences - B	4/5	28,000.00		
Hefeeda, M	CMPT	RGPIN	313083	Scalable multimedia communication for heterogeneous clients		330	Computing and Information Sciences - A	1/5	22,300.00		
Hell, PT	CMPT	RGPIN	5075	Complexity of combinatorial problems		331	Computing and Information Sciences - B	6/6	64,000.00		
Kabanets, V	CMPT	RGPIN	298363	Pseudorandomness and complexity		331	Computing and Information Sciences - B	2/5	29,000.00		
Kameda, T	CMPT	RGPIN	5240	Polygon search and media on demand		331	Computing and Information Sciences - B	2/3	25,000.00		
Kirkpatrick, AE	CMPT	RGPIN	250314	High-fluency haptic interfaces		330	Computing and Information Sciences - A	3/5	21,000.00		HUM
Krishnamurti, R	CMPT	RGPIN	36809	Approximation algorithms using LP-duality based methods		331	Computing and Information Sciences - B	4/5	20,000.00		
Lee, TK	CMPT	RGPIN	288194	Algorithms for automated computer image analysis for disease s		335	Electromagnetics and Electrical Systems Engin	3/5	18,500.00		
Li, ZN	CMPT	RGPIN	36726	Active video: a new approach to video indexing and retrieval		331	Computing and Information Sciences - B	4/5	28,000.00		
Liestman, AL	CMPT	RGPIN	1734	Network structure and communications		331	Computing and Information Sciences - B	3/5	30,000.00		
Liu, J	CMPT	RGPIN	288325	Pervasive media distribution over heterogeneous wired and wire		330	Computing and Information Sciences - A	2/5	25,000.00		
Mitchell, DG	CMPT	RGPIN	238987	Effective propositional reasoning and applications		331	Computing and Information Sciences - B	4/5	21,000.00		
Möller, T	CMPT	RGPIN	228413	Numerically and perceptually accurate visualization		331	Computing and Information Sciences - B	4/5	24,000.00		
Mori, GP	CMPT	RGPIN	312230	Recognizing human figures and actions		331	Computing and Information Sciences - B	1/5	24,000.00		HUM
Pei, J	CMPT	RGPIN	312194	Analyzing and Mining Large Uncertain Data Sets: models, metho		330	Computing and Information Sciences - A	1/5	32,000.00		
Peters, JG	CMPT	RGPIN	322	Modelling and analysis of network communication		331	Computing and Information Sciences - B	4/5	19,000.00		
Popowich, FP	CMPT	RGPIN	41910	Information extraction with knowledge-based linguistic analysis		331	Computing and Information Sciences - B	3/5	23,000.00		
Sahinalp, CS	CMPT	RGPIN	298339	Human genome expansion and molecular interactions: an algori		331	Computing and Information Sciences - B	5/5	33,000.00		
Sarkar, A	CMPT	RGPIN	262313	Semi-supervised learning for natural language processing		331	Computing and Information Sciences - B	1/5	27,000.00		
Schulte, ON	CMPT	RGPIN	217331	Machine learning for entity-relationship databases		331	Computing and Information Sciences - B	1/5	17,000.00		
Shermer, TC	CMPT	RGPIN	46218	Graph-theoretic topics in visibility and network design		331	Computing and Information Sciences - B	5/5	27,000.00		
Smyth, TR	CMPT	RGPIN	312820	Physics-based sound synthesis and model parameter estimatio		331	Computing and Information Sciences - B	1/2	16,000.00		
Tardos, G	CMPT	RGPIN	329257	Complexity of geometric arrangements		331	Computing and Information Sciences - B	3/3	30,000.00		
Ternovska, EA	CMPT	RGPIN	238989	Computational aspects of reasoning about dynamic systems		331	Computing and Information Sciences - B	4/5	23,000.00		
Vaughan, RT	CMPT	RGPIN	298256	Constructive ecology and community development tools for robc		331	Computing and Information Sciences - B	4/5	15,000.00		
Wang, K	CMPT	RGPIN	227827	Actionable data mining		330	Computing and Information Sciences - A	5/5	29,700.00		
Weiskopf, D	CMPT	RGPIN	328263	Scalable interactive visualization.		331	Computing and Information Sciences - B	3/3	20,000.00		
Wiese, KC	CMPT	RGPIN	238298	Evolutionary computation and applications in bioinformatics		331	Computing and Information Sciences - B	2/5	18,000.00		

Zhang, H	CMPT	RGPIN	262118	Transform-based geometry processing and analysis in computer graphics	331	Computing and Information Sciences - B	2/5	19,500.00		
Allen, DM	EARTH	RGPIN	203028	Fractured rock aquifers: groundwater recharge and climate change	9	Environmental Earth Sciences	1/5	26,000.00		EI
Calvert, AJ	EARTH	RGPIN	155519	3-D structure of island arcs and continental growth	8	Solid Earth Sciences	1/5	39,000.00		
Clague, J	EARTH	RGPIN	217051	Natural hazards in active orogens	9	Environmental Earth Sciences	4/5	40,480.00		EI
Colpron, M	EARTH	RGPIN	355658	Northern cordilleran tectonics and paleogeography	8	Solid Earth Sciences	1/5	18,000.00		EI
Dashtgard, SE	EARTH	RGPIN	341789	Defining sedimentological and ichnological relations in modern clastic basins	8	Solid Earth Sciences	1/5	19,000.00		EI
Flowers, GE	EARTH	RGPIN	311725	Glacier hydrology, dynamics and hazards in a changing climate	9	Environmental Earth Sciences	4/5	24,990.00		EI
Gibson, HD	EARTH	RGPIN	312461	Investigating the tectonic evolution of the canadian cordillera through geochronology	8	Solid Earth Sciences	1/5	29,900.00		EI
MacEachern, JA	EARTH	RGPIN	184293	Integrated ichnological-sedimentological facies models: mixed-iron and organic carbon	8	Solid Earth Sciences	2/5	24,240.00		
Marshall, D	EARTH	RGPIN	217031	Modelling of complex hydrothermal ore-forming fluids in multi-episode systems	8	Solid Earth Sciences	1/5	25,000.00		EI
Mustard, PS	EARTH	RGPIN	184290	Canadian cordillera sedimentary basin studies	8	Solid Earth Sciences	1/3	20,000.00		EI
Stead, D	EARTH	RGPIN	36375	Rock mass failure characterisation: An integrated numerical modelling approach	6	Civil Engineering	4/5	31,000.00		EI
Thorkelson, DJ	EARTH	RGPIN	194090	Proterozoic inliers of Yukon	8	Solid Earth Sciences	3/5	29,300.00		EI
Ward, BC	EARTH	RGPIN	216911	Pleistocene stratigraphy and paleoenvironmental reconstruction, Yukon Territory	9	Environmental Earth Sciences	5/5	18,600.00		EI
Williams-Jones, G	EARTH	RGPIN	283274	Magma chamber dynamics and eruption triggering from integrated geochronology	8	Solid Earth Sciences	5/5	26,690.00		EI
Gencay, R	ECON	RGPIN	121836	Multifractals, scale invariance and financial risk management	14	Statistical Sciences	5/5	17,000.00		
Lavergne, P	ECON	RGPIN	328474	Dimension reduction in specification testing of econometric models	14	Statistical Sciences	3/3	13,000.00		
Arzanpour, S	ENSC	RGPIN	357275	Development of switchable mounts for variable displacement elastomers	1053	Mechanical Engineering - A	1/5	18,000.00		
Bahrami, M	ENSC	RGPIN	341841	Transport phenomena in metalfoams: applications in thermal management	1054	Mechanical Engineering - B	2/5	20,000.00		
Bajic, IV	ENSC	RGPIN	327249	Temporal aspects of multimedia communications	334	Communications, Computers and Components	3/5	21,000.00		
Beg, MF	ENSC	RGPIN	298253	Methods for computational anatomy	21	Interdisciplinary	5/5	18,573.00		
Bird, JS	ENSC	RGPIN	36383	Small aperture swath bathymetry sonar and applications	335	Electromagnetics and Electrical Systems Engineering	3/5	40,000.00		EI
Chapman, GH	ENSC	RGPIN	105512	Laser applications in large area optical sensors and biomedical imaging	334	Communications, Computers and Components	3/5	32,000.00		
Dill, JC	ENSC	RGPIN	37944	Visualizing information spaces	330	Computing and Information Sciences - A	5/5	24,700.00		
Golnaraghi, MF	ENSC	RGPIN	41751	Intelligent mechatronics systems	1053	Mechanical Engineering - A	2/5	31,000.00		
Gray, BL	ENSC	RGPIN	298231	Interconnect and assembly of microinstruments	21	Interdisciplinary	5/5	23,460.00		
Gruver, WA	ENSC	RGPIN	138258	Intelligent and distributed energy automation	335	Electromagnetics and Electrical Systems Engineering	4/5	29,000.00		
Gupta, KK	ENSC	RGPIN	36585	Integrated autonomous mobile-manipulation simultaneous path planning	335	Electromagnetics and Electrical Systems Engineering	3/5	41,550.00		
Ho, PKM	ENSC	RGPIN	4042	Power and bandwidth efficient MIMO communication techniques	334	Communications, Computers and Components	2/5	24,300.00		
Hobson, RF	ENSC	RGPIN	4351	System-on-chip architectures for software radio	334	Communications, Computers and Components	4/5	15,100.00		
Kaminska, B	ENSC	RGPIN	36687	Flexible multilayer and multiparameter wireless microsystems for sensor networks	334	Communications, Computers and Components	1/3	23,389.00		
Lee, DC	ENSC	RGPIN	328481	Extremely fast spreading factor adaptation in spread-spectrum networks	334	Communications, Computers and Components	3/5	25,000.00		
Leung, AM	ENSC	RGPIN	25422	Cost-effective assembly of three-dimensional microstructures using inkjet printing	334	Communications, Computers and Components	2/5	15,300.00		
Liang, J	ENSC	RGPIN	312262	Filterbank design for multimedia communications theory and applications	334	Communications, Computers and Components	4/5	27,000.00		
Menon, C	ENSC	RGPIN	342062	Analysis and development of bio-inspired climbing robotic mechanisms	1053	Mechanical Engineering - A	1/5	21,000.00		
Parameswaran, AM	ENSC	RGPIN	105793	Polymer-MEMS technology for biomedicine and communication	334	Communications, Computers and Components	1/5	38,981.00		
Payandeh, S	ENSC	RGPIN	121296	Fundamental investigation into shared control methodologies in human-machine systems	1053	Mechanical Engineering - A / Génie mécanique	1/5	22,000.00		
Saeedi, P-A	ENSC	RGPIN	341371	Adaptive vision system/3D map reconstruction	331	Computing and Information Sciences - B / Informatique	2/5	20,000.00		
Saif, M	ENSC	RGPIN	36407	Automated health monitoring and fault diagnosis in complex dynamic systems	335	Electromagnetics and Electrical Systems Engineering	2/5	41,080.00		
Sarunic, MV	ENSC	RGPIN	341637	Functional endoscopic fourier domain optical coherence tomography	335	Electromagnetics and Electrical Systems Engineering	2/5	26,000.00		

Shannon, LL	ENSC	RGPIN	341516	Simplifying the creation and programming of application-specific		334	Communications, Computers and Components	2/5	15,000.00		
Stapleton, SP	ENSC	RGPIN	41824	Software defined transmitters for wireless applications		334	Communications, Computers and Components	5/5	24,000.00		
Syrzycki, MJ	ENSC	RGPIN	41826	Advanced CMOS devices and circuits for integrated microsystem		334	Communications, Computers and Components	5/5	20,000.00		
Trajkovic, L	ENSC	RGPIN	216844	High-performance networks: traffic, protocols, and control algorithms		334	Communications, Computers and Components	2/5	23,000.00		
Vaughan, RG	ENSC	RGPIN	288165	Signal processing and antennas for high spectral efficiency digital		335	Electromagnetics and Electrical Systems Engineering	4/5	50,000.00		
Wang, G	ENSC	RGPIN	227737	Complex design optimization methodologies and applications to		13	Mechanical Engineering	5/5	25,370.00		
Brennand, TA	GEOG	RGPIN	194107	Reconstructing past ice sheet dynamics and decay from glacial		9	Environmental Earth Sciences	2/2	21,090.00		EI
Dragicevic, S	GEOG	RGPIN	250518	Integrating complexity, GIS and soft computing for multi-scale sp		9	Environmental Earth Sciences	2/5	18,090.00		
Lesack, LFW	GEOG	RGPIN	108110	Biogeochemistry of lakes in the Mackenzie delta		9	Environmental Earth Sciences	2/2	30,610.00		EI
Schmidt, MG	GEOG	RGPIN	153451	Effects of deciduous trees and shrubs on soils and nutrient dyna		9	Environmental Earth Sciences	2/5	16,090.00		EI
Tromp-van Meerveld, IH	GEOG	RGPIN	342447	Soil moisture patterns: linking hydrological processes at the eve		9	Environmental Earth Sciences	2/5	20,000.00		EI
Venditti, JG	GEOG	RGPIN	341862	Sediment delivery to the Fraser River Delta; sediment transport		9	Environmental Earth Sciences	2/5	21,700.00		EI
Beischlag, TVP	HS	RGPIN	356355	Molecular determinants of bHLH-PAS transcription factor functio		32	Cell Biology	1/5	35,000.00		BIO
Bawa, PNS	KIN	RGPIN	7135	Facilitation in the neuromuscular system with high frequency stir		1011	Integrative Animal Biology	5/5	21,640.00		HUM
Claydon, TW	KIN	RGPIN	355660	Fluorimetric analysis of voltage-gated ion channel gating		32	Cell Biology	1/5	30,000.00		ANI BIO
Donelan, JM	KIN	RGPIN	326825	Comparative terrestrial locomotion physiology		1011	Integrative Animal Biology	3/5	26,500.00		ANI
Krieger, C	KIN	RGPIN	171372	Adducin phosphorylation regulates cell morphology and function		1011	Integrative Animal Biology	3/5	27,400.00		ANI
MacKenzie, CL	KIN	RGPIN	120869	Human manipulation and remote manipulation		1011	Integrative Animal Biology	1/5	24,000.00		
Milner, TE	KIN	RGPIN	142009	Adaptive control of limb mechanics		13	Mechanical Engineering	4/5	44,000.00		HUM
Robinovitch, SN	KIN	RGPIN	239735	Engineering strategies for the prevention of falls and fall-related		13	Mechanical Engineering	3/5	19,000.00		HUM
Ruben, P	KIN	RGPIN	342155	The price of success: biophysical costs of tetrodotoxin resistanc		32	Cell Biology	2/5	35,000.00		ANI
Tibbits, GF	KIN	RGPIN	2321	Regulation of myocardial contractility in salmonids		1011	Integrative Animal Biology	2/2	37,175.00		ANI BIO
Vieira, AV	KIN	RGPIN	238231	Molecular and cellular mechanisms of nutrient transport		32	Cell Biology	1/2	22,000.00		ANI BIO
Wakeling, JM	KIN	RGPIN	261262	Architectural and mechanical determinates of motor unit recruitm		1011	Integrative Animal Biology	1/5	24,000.00		HUM
White, MD	KIN	RGPIN	217478	Interactions of body temperatures and modulators of human pull		1011	Integrative Animal Biology	2/5	27,695.00		HUM
Han, C-H	LING	RGPIN	341442	Computational semantics for natural language using synchronou		331	Computing and Information Sciences - B	1/5	17,000.00		
Taboada, MT	LING	RGPIN	261104	Discourse parsing for summarization and sentiment detection		331	Computing and Information Sciences - B	1/5	20,000.00		
Wang, Y	LING	RGPIN	312457	The processing and learning of pitch in speech		12	Psychology: Brain, Behaviour and Cognitive Sc	3/4	18,275.00		HUM
Bell, JP	MATH	RGPIN	326532	Noncommutative ring theory and its applications		336	Pure and Applied Mathematics - A	3/5	15,000.00		
Borwein, PB	MATH	RGPIN	152758	Computational number theory and analysis		336	Pure and Applied Mathematics - A	5/5	33,000.00		
Brown, TC	MATH	RGPIN	3983	Ramsey theory		337	Pure and Applied Mathematics - B	4/5	9,000.00		
Bruin, NR	MATH	RGPIN	261486	Explicit methods for arithmetic on curves and surfaces		336	Pure and Applied Mathematics - A	1/5	20,000.00		
Chauve, C	MATH	RGPIN	249834	Combinatorial models and algorithms for comparative genomics		33	Molecular and Developmental Genetics	3/5	27,600.00		
Chen, I	MATH	RGPIN	227250	Arithmetic and geometry of modular curves		336	Pure and Applied Mathematics - A	5/5	12,000.00		
Choi, KS	MATH	RGPIN	238850	Some problems in analytic and computational number theory		336	Pure and Applied Mathematics - A	4/5	15,000.00		
Choksi, R	MATH	RGPIN	203327	Mathematical aspects of phase separation under long-range inte		337	Pure and Applied Mathematics - B	2/5	24,000.00		
Fetecau, RC	MATH	RGPIN	341834	Compressible euler and kuramoto-sivashinsky-type equations		337	Pure and Applied Mathematics - B	2/5	13,000.00		
Goddyn, LA	MATH	RGPIN	105452	Studies in graphs and matroids		337	Pure and Applied Mathematics - B	2/5	25,000.00		
Hare, WL	MATH	RGPIN	355571	Mathematical modelling and optimization in healthcare		20	Industrial Engineering	1/5	17,000.00		
Jedwab, J	MATH	RGPIN	278420	Aperiodic autocorrelation properties of sequences and arrays.		331	Computing and Information Sciences - B	2/2	17,000.00		

Jungic, V	MATH	RGPIN	298415	Density type statements in ramsey and rainbow ramsey theory		336	Pure and Applied Mathematics - A	4/5	6,000.00		
Kropinski, MCA	MATH	RGPIN	203326	Modern numerical methods for problems in physics		337	Pure and Applied Mathematics - B	2/3	19,000.00		
Lee, Y	MATH	RGPIN	327640	Algebraic function fields and cryptography		336	Pure and Applied Mathematics - A	3/5	8,000.00		
Lisonek, P	MATH	RGPIN	238764	Enumeration and construction of discrete structures		337	Pure and Applied Mathematics - B	4/5	15,000.00		
Lu, Z	MATH	RGPIN	341410	Theory of cone programming and its applications		20	Industrial Engineering	2/5	17,000.00		
Mishna, M	MATH	RGPIN	312582	Automatic combinatorics and holonomic systems		337	Pure and Applied Mathematics - B	4/4	17,000.00		
Mohar, B	MATH	RGPIN	311960	Topological and algebraic graph theory		331	Pure and Applied Mathematics - B	1/5	45,000.00		
Monagan, MB	MATH	RGPIN	184172	Algorithms for the simplification of algebraic formulae		331	Pure and Applied Mathematics - B	5/5	30,000.00		
Muraki, DJ	MATH	RGPIN	238928	Dynamics of the midlatitude atmosphere		9	Environmental Earth Sciences	3/3	14,400.00		
Oberman, AM	MATH	RGPIN	312489	Constructive solution methods for nonlinear partial differential ec		337	Pure and Applied Mathematics - B	4/5	10,000.00		
Punnen, AP	MATH	RGPIN	170381	Exact and approximation algorithms for some discrete optimizati		20	Industrial Engineering	4/5	23,909.00		
Reilly, NR	MATH	RGPIN	4044	Varieties and pseudovarieties of semigroups		336	Pure and Applied Mathematics - A	1/5	12,000.00		
Russell, RD	MATH	RGPIN	8781	Adaptive solution of differential equations		331	Computing and Information Sciences - B	2/5	78,000.00		
Ruuth, SJ	MATH	RGPIN	227823	Algorithms, analysis and applications of numerical partial differe		331	Computing and Information Sciences - B	5/5	26,000.00		
Stacho, L	MATH	RGPIN	261542	Combinatorial algorithms in bioinformatics and communications		331	Computing and Information Sciences - B	2/5	24,000.00		
Stephen, TM	MATH	RGPIN	341698	Algorithms for combinatorial optimization		337	Pure and Applied Mathematics - B	2/5	17,000.00		
Stockie, JM	MATH	RGPIN	238776	Modelling and simulation of complex flow with multi-physics and		13	Mechanical Engineering	4/5	31,000.00		
Trummer, MR	MATH	RGPIN	36901	Adaptivity in numerical methods		331	Computing and Information Sciences - B	5/5	30,000.00		
Williams, JF	MATH	RGPIN	327619	Asymptotics and simulation of singular phenomena		337	Pure and Applied Mathematics - B	3/5	12,000.00		
Wittenberg, RW	MATH	RGPIN	261892	Dynamics of partial differential equations		337	Pure and Applied Mathematics - B	2/5	15,000.00		
Baillie, DL	MBB	RGPIN	9975	C. elegans essential genes		33	Molecular and Developmental Genetics	3/5	84,500.00		BIO
Beh, CT	MBB	RGPIN	250263	Yeast oxysterol-binding proteins and lipid regulation		32	Cell Biology	3/5	33,250.00		
Brandhorst, BP	MBB	RGPIN	45977	Patterning, morphogenesis and differentiation of embryos		33	Molecular and Developmental Genetics	1/5	45,000.00		
Brinkman, FSL	MBB	RGPIN	240644	Prediction of protein subcellular localization for prokaryotes, usin		32	Cell Biology / Biologie cellulaire	3/5	34,250.00		BIO
Chen, NJ	MBB	RGPIN	328095	Identification and analysis of gene batteries in caenorhabditis ele		33	Molecular and Developmental Genetics	3/5	42,600.00		
Craig, L	MBB	RGPIN	312152	Structure characterization of filamentous assemblies		32	Cell Biology / Biologie cellulaire	3/3	25,000.00		BIO
Davidson, WS	MBB	RGPIN	219	Fate of duplicated lactate dehydrogenase genes in salmonids.		33	Molecular and Developmental Genetics	5/5	25,000.00		BIO
Harden, NM	MBB	RGPIN	217532	Characterization of pak kinase function in drosophila oogenesis		33	Molecular and Developmental Genetics	1/5	49,000.00		BIO
Hawkins, NC	MBB	RGPIN	250095	Regulation of asymmetric neuroblast division in C. elegans		33	Molecular and Developmental Genetics	1/5	38,000.00		
Honda, BM	MBB	RGPIN	8391	Chromatin structure and gene expression in Drosophila heteroch		33	Molecular and Developmental Genetics	5/5	44,260.00		
Paetzel, MW	MBB	RGPIN	250131	Structural and mechanistic studies of Ser/Lys dyad proteases		32	Cell Biology	2/5	37,000.00		
Pio, FF	MBB	RGPIN	227832	Structural studies in apoptosis and cancer		32	Cell Biology	5/5	28,140.00		BIO
Quarmby, LM	MBB	RGPIN	227132	Cilia and regulation of the cell cycle		32	Cell Biology	4/6	36,100.00		BIO
Sen, D	MBB	RGPIN	105785	Selection and study of novel deoxyribozymes and riboswitches		33	Molecular and Developmental Genetics	3/5	99,900.00		BIO
Thewalt, JL	MBB	RGPIN	183821	Domains in membranes & peptide interactions with cubic phase		32	Cell Biology	5/5	31,390.00		
Unrau, PJ	MBB	RGPIN	238948	Ribozyme chemistry and the RNA world		33	Molecular and Developmental Genetics	1/5	58,000.00		
Verheyen, EM	MBB	RGPIN	203545	Role of nemo in patterning the drosophila eye and head		33	Molecular and Developmental Genetics	1/5	35,000.00		
Young, EC	MBB	RGPIN	312124	Agonism and antagonism in cyclic nucleotide-gated channels		32	Cell Biology	4/5	37,000.00		ANI BIO
Pelletier, FJ	PHIL	RGPIN	5525	Inference: Theories and computation		331	Computing and Information Sciences - B	2/5	34,000.00		HUM
Bechhoefer, JL	PHYS	RGPIN	105732	Studies in soft condensed matter and biophysical systems		28	Condensed Matter Physics	4/5	57,590.00		

Boal, DH	PHYS	RGPIN	3305	Evolution of the cell's mechanical function and design		21	Interdisciplinary / Interdisciplinaire	1/3	24,375.00		EI
Broun, DM	PHYS	RGPIN	261622	Microwave spectroscopy and hall-probe microscopy of unconv		28	Condensed Matter Physics	1/5	43,613.00		
Crozier, ED	PHYS	RGPIN	5343	Structure of Ordered and Disordered Systems		28	Condensed Matter Physics	2/5	24,410.00		
Dodge, JS	PHYS	RGPIN	238349	Ultrafast spectroscopy of quantum materials		28	Condensed Matter Physics	3/3	44,348.00		
Emberly, EG	PHYS	RGPIN	283343	Regulation in biological signalling networks		21	Interdisciplinary	1/2	20,475.00		
Forde, NR	PHYS	RGPIN	312576	Developing a molecular blueprint fo mechanical response		26	Analytical and Physical Chemistry	1/2	37,000.00		BIO
Frisken, BJ	PHYS	RGPIN	121807	Structure and dynamics of soft condensed matter		28	Condensed Matter Physics	2/5	36,640.00		
Frolov, AV	PHYS	RGPIN	341269	Strong Gravity in Cosmology and Astrophysics		17	Space and Astronomy	2/3	27,583.00		
Haljan, PC	PHYS	RGPIN	327130	Trapped ions for quantum information processing		29	General Physics / Physique générale	3/5	35,194.00		
Hayden, ME	PHYS	RGPIN	217243	Low-field nuclear magnetic resonance and polarized noble gase		28	Condensed Matter Physics	2/5	33,800.00		
Heinrich, BV	PHYS	RGPIN	9019	Spin dynamics in magnetic nanostructures		28	Condensed Matter Physics	1/3	61,059.00		
Herbut, I	PHYS	RGPIN	216945	Effective theory of high temperature superconductors		28	Condensed Matter Physics	2/5	42,250.00		
Kavanagh, KL	PHYS	RGPIN	222869	Nanoscale analysis of semiconductor defects and interfaces.		28	Condensed Matter Physics	7/7	53,000.00		
Kennett, MP	PHYS	RGPIN	327008	Out of equilibrium and disordered strongly interacting many parti		28	Condensed Matter Physics	3/3	35,378.00		
Kirczenow, G	PHYS	RGPIN	8681	Nanoscale physics		28	Condensed Matter Physics	4/5	67,580.00		
Mooney, P	PHYS	RGPIN	311687	Strain relaxation and defects in lattice mismatched semiconduct		28	Condensed Matter Physics	4/5	74,780.00		
Plischke, M	PHYS	RGPIN	8461	Theory and simulation of soft matter		28	Condensed Matter Physics	1/4	24,423.00		
Pogosian, L	PHYS	RGPIN	341274	Observational tests of past and present inflation		17	Space and Astronomy	2/3	30,892.00		
Sonier, JE	PHYS	RGPIN	238307	Applications of nuclear probe techniques to materials science		28	Condensed Matter Physics	3/5	56,188.00		
Thewalt, MLW	PHYS	RGPIN	170925	New spectroscopy and applications in isotopically modified semi		28	Condensed Matter Physics	1/5	107,000.00		
Trottier, HD	PHYS	SAPIN	138288	Two-loop perturbation theory for heavy-quark physics in lattice Q		19	Subatomic Physics	5/5	60,000.00		
Watkins, SP	PHYS	RGPIN	121282	New directions in semiconductor crystal growth		28	Condensed Matter Physics	1/5	46,230.00		
Zuckermann, MJ	PHYS	RGPIN	5932	Theoretical studies of lipid bilayer membranes and polymer syst		28	Condensed Matter Physics	4/5	30,000.00		
Blair, MRB	PSYC	RGPIN	327301	Selective processing of features, dimensions & feedback in hum		12	Psychology: Brain, Behaviour and Cognitive Sc	3/5	15,275.00		HUM
Di Lollo, V	PSYC	RGPIN	190955	Initial stages of visual information processing		12	Psychology: Brain, Behaviour and Cognitive Sc	5/5	70,000.00		HUM
Fouladi, RT	PSYC	RGPIN	293265	Multivariate correlation structure modeling		14	Statistical Sciences	1/2	12,000.00		
Herdman, AT	PSYC	RGPIN	341602	Investigating brain responses related to orthographic perception		12	Psychology: Brain, Behaviour and Cognitive Sc	2/5	20,987.00		HUM
Liotti, M	PSYC	RGPIN	355903	Behavioral and electrophysiological correlates of the influence o		12	Psychology: Brain, Behaviour and Cognitive Sc	1/5	18,936.00		HUM
McDonald, J	PSYC	RGPIN	227959	Brain mechanisms of human selective attention		12	Psychology: Brain, Behaviour and Cognitive Sc	4/5	21,769.00		HUM
Mistlberger, R.E.	PSYC	RGPIN	155172	Behavioural regulation of circadian rhythms		12	Psychology: Brain, Behaviour and Cognitive Sc	6/6	34,500.00		ANI
Read, JD	PSYC	RGPIN	7920	Reconstructive processes in autobiographical memory: feedback		12	Psychology: Brain, Behaviour and Cognitive Sc	4/5	17,809.00		HUM
Spalek, TM	PSYC	RGPIN	262513	Information processing in the first half second of vision		12	Psychology: Brain, Behaviour and Cognitive Sc	3/5	16,085.00		HUM
Virji-Babul, N	PSYC	RGPIN	355878	The neural basis of action understanding	Ribary U	12	Psychology: Brain, Behaviour and Cognitive Sc	1/5	15,000.00		HUM
Watson, NV	PSYC	RGPIN	194522	Sexual dimorphism in neural structure and function		12	Psychology: Brain, Behaviour and Cognitive Sc	4/5	30,809.00		HUM ANI
Weeks, DJ	PSYC	RGPIN	160549	Behavioural and neural mechanisms of perceptual-motor transla		12	Psychology: Brain, Behaviour and Cognitive Sc	3/5	20,000.00		HUM
Whittlesea, BWA	PSYC	RGPIN	99826	Memory - production and evaluation		12	Psychology: Brain, Behaviour and Cognitive Sc	1/1	35,936.00		HUM
Cox, SP	REM	RGPIN	262109	Multiscale assessment of spatial population dynamics of inshore		18	Evolution and Ecology	1/5	16,745.00		EI
Gobas, FAP	REM	RGPIN	111603	Bioaccumulation of organic chemicals in food-webs		18	Evolution and Ecology	5/5	38,600.00		ANI EI
Kohfeld, KE	REM	RGPIN	342251	Role of dust, climate, and marine biota in glacial-interglacial CO <sub>2</sub>		9	Environmental Earth Sciences	2/5	21,000.00		

Peterman, RM	REM	RGPIN	7101	Evaluation of methods for monitoring changes in abundance and		18	Evolution and Ecology	2/5	46,200.00		
Antle, AN	SIAT	RGPIN	327677	Mixed reality for cognitive acceleration		330	Computing and Information Sciences - A	3/3	18,000.00		HUM EI
Bartram, LR	SIAT	RGPIN	327302	User interfaces for complex information environments		330	Computing and Information Sciences - A	3/5	20,000.00		HUM
DiPaola, SR	SIAT	RGPIN	298201	Intelligent virtual character systems		331	Computing and Information Sciences - B	3/5	13,000.00		
Fisher, BD	SIAT	RGPIN	239101	Information systems for skilled cognition and communication		330	Computing and Information Sciences - A	4/5	19,000.00		HUM
Hatala, M	SIAT	RGPIN	238798	High-performance protocol and ontology mapping for distributed		330	Computing and Information Sciences	4/5	15,000.00		
Pasquier, PYJ	SIAT	RGPIN	356083	Theory and practice of argumentation based-negotiation		331	Computing and Information Sciences - B	1/5	15,000.00		
Seif El-Nasr, MM	SIAT	RGPIN	355977	Adaptive cinematic authoring tools for interactive 3D environmer		331	Computing and Information Sciences - B	1/5	17,000.00		HUM
Shaw, CD	SIAT	RGPIN	327828	Highly interactive 3D user interfaces		331	Computing and Information Sciences - B	3/5	27,000.00		HUM
Woodbury, RF	SIAT	RGPIN	250333	Theory and practice of design space explorers		331	Computing and Information Sciences - B	2/5	27,500.00		
Altman, RJ	STATS	RGPIN	293140	Models for longitudinal data: unifying results		14	Statistical Sciences	4/4	17,300.00		
Bingham, DR	STATS	RGPIN	261574	The design and analysis of complex industrial experiments		14	Statistical Sciences	1/5	24,000.00		
Campbell, DA	STATS	RGPIN	355937	Statistical methods for dynamic systems		14	Statistical Sciences	1/5	12,000.00		
Cao, J	STATS	RGPIN	356044	The generalized profiling method and applications in estimating		14	Statistical Sciences	1/5	14,000.00		
Dean, CB	STATS	RGPIN	46119	New methodology for the design and analysis of longitudinal cou		14	Statistical Sciences	5/5	36,000.00		
Graham, J	STATS	RGPIN	222886	Improved statistical methods for identifying generic risk factors u		14	Statistical Sciences	2/5	20,000.00		
Hu, JX	STATS	RGPIN	262823	Data analyses, interim reviews and design issues of longitudinal		14	Statistical Sciences	3/5	15,000.00		
Lockhart, RA	STATS	RGPIN	4023	Bayes assisted model assessment		14	Statistical Sciences	1/5	34,000.00		
Loughin, TM	STATS	RGPIN	342205	Identifying dispersion effects in unreplicated multilevel factorial e		14	Statistical Sciences	2/5	16,000.00		
Lu, Y	STATS	RGPIN	327003	On Poisson models under Markovian environments and their ap		14	Statistical Sciences	3/3	13,000.00		
McNeney, WB	STATS	RGPIN	227972	Statistical methods in genetic association studies		14	Statistical Sciences	4/5	14,000.00		
Parker, G	STATS	RGPIN	299361	Stochastic models in actuarial science		14	Statistical Sciences	5/5	19,000.00		
Routledge, RD	STATS	RGPIN	7529	Statistical methodology for use in population biology and resour		14	Statistical Sciences	5/5	23,000.00		ANI EI
Schwarz, CJ	STATS	RGPIN	165058	Modelling of animal population dynamics		18	Evolution and Ecology	3/5	31,000.00		
Sitter, R	STAT	RGPIN	182393	Analysis of survey data/experimental design		14	Statistical Sciences	5/5	34,950.00		
Stephens, MA	STATS	RGPIN	8561	Testing distributions and models		14	Statistical Sciences	5/5	16,000.00		
Swartz, TB	STATS	RGPIN	9268	Bayesian methods and applications		14	Statistical Sciences	5/5	22,000.00		
Tang, B	STATS	RGPIN	288264	Theory and applications of fractional factorial designs		14	Statistical Sciences	5/5	25,000.00		
Thompson, SK	STATS	RGPIN	327306	Adaptive sampling in space and time		14	Statistical Sciences	3/5	25,000.00		
Tsai, CL	STATS	RGPIN	311829	On the ordering for the surplus process perturbed by diffusion		14	Statistical Sciences	1/5	14,000.00		
Zeng, L	STATS	RGPIN	327107	Challenges in transitional analysis of longitudinal data		14	Statistical Sciences	3/3	15,000.00		