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Personal Information

Identification

Professor Paul Pavlidis

Correspondence language: English

Sex: Male

Date of Birth: 5/20

Canadian Residency Status: Permanent Resident

Permanent Residency Start Date: 2007-12-13

Country of Citizenship: United States

Language Skills

Language	Read	Write	Speak	Understand
English	Yes	Yes	Yes	Yes
French	No	No	No	No

Address

The primary address is denoted by (*)

Courier	Primary Affiliation (*)
Centre for High-throughput Biology 171 Michael Smith Laboratories 2185 East Mall Vancouver V6T 1Z4 Canada, British Columbia	Centre for High-throughput Biology 171 Michael Smith Laboratories 2185 East Mall Vancouver V6T 1Z4 Canada, British Columbia

Telephone

The primary telephone is denoted by (*)

Work (*)	604-8274157
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Email

The primary email is denoted by (*)

Work (*)	paul@chibi.ubc.ca
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Website

Personal	http://www.chibi.ubc.ca/faculty/pavlidis
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Education

Degrees

1990/8 - 1994/12	Doctorate - Doctor of Philosophy - Molecular and Cell Biology / Neuroscience - University of California, Berkeley - Completed Supervisors: Tanouye, Mark
1985/8 - 1989/6	Bachelor's - Bachelor of Arts - Biological Sciences (Biochemistry) - Cornell University - Completed Supervisors: Heppel, Leon

Recognitions

1989/6 -	Graduation cum laude - Distinction Cornell University Amount: 0
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User Profile

Researcher Status: Researcher

Research Career Start Date: 1988-05-01

Engaged in Clinical Research?: Yes

Fields of Application: Biomedical Aspects of Human Health, Communication and Information Technologies

Disciplines Trained In: Molecular Biology, Neurosciences

Technological Applications: Software

Areas of Research: Gene Regulation and Expression, Genetics of Neurological and Psychiatric Diseases, Genomics

Research Specialization Keywords: computational biology, data mining, gene expression, genomics, machine learning, meta-analysis, microarray, neuroinformatics, synaptic plasticity, synaptic transmission

Research Centres: Saskatchewan Research Council

Research Disciplines: Molecular Biology, Neurosciences

Employment

Academic Work Experience

2009/7 -	Associate Professor with tenure University of British Columbia - Psychiatry / Centre for High-throughput Biology
2006/1 - 2009/6	Assistant Professor University of British Columbia - Psychiatry / Bioinformatics Centre
2003/1 - 2005/12	Assistant Professor Columbia University - Biomedical Informatics
1999/12 - 2002/12	Associate Research Scientist Columbia University - Columbia Genome Center
1998/1 - 1999/11	Postdoctoral Research Fellow Columbia University - Neurobiology & Behavior

1995/4 - 1997/12	Postdoctoral Research Fellow Stanford University - Cell and Molecular Physiology
1995/1 - 1995/3	Postdoctoral Research Fellow University of California, Berkeley - Molecular and Cell Biology
1990/8 - 1994/12	Graduate Research Assistant University of California, Berkeley - Molecular and Cell Biology
1988/5 - 1989/5	Research Assistant Cornell University - Biological Sciences, Div. of

Affiliations

The primary affiliation is denoted by (*)

(*) 2009/7 -	Associate Professor with tenure - University of British Columbia
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Research Funding History

Awarded

2012/4 - 2017/3 Co-investigator	Polyamines, depression and suicide	
	Funding Sources	
	2012/4 - 2017/3	Operating Grant Canadian Institutes of Health Research (CIHR) Total Funding: 875708 (Canadian dollar) Funding Competitive?: Yes
	Co-investigator : Carl Philip Ernst; Naguib Mechawar; Principal Investigator : Gustavo Xavier Turecki	
2011/4 - 2016/3 Co-investigator	Molecular biomarkers of antidepressant response	
	Funding Sources	
	2011/4 - 2016/3	Operating Grant Canadian Institutes of Health Research (CIHR) Total Funding: 1096565 (Canadian dollar) Funding Competitive?: Yes
	Co-investigator : Carl Philip Ernst; Eduardo Chachamovich; Marcelo Turkienicz Berlim; Nancy E Frasura-Smith; Principal Investigator : Gustavo Xavier Turecki	
2011/4 - 2016/3 Principal Investigator	Neuroinformatics for genomics and anatomy - Grant - Operating	
	Funding Sources	
	2011/4 - 2016/3	Discovery grants Natural Sciences and Engineering Research Council of Canada (NSERC) Total Funding: 268000 (Canadian dollar) Funding Competitive?: Yes
2011/9 - 2015/6 Principal Investigator	Neuroinformatics for gene expression: networks, function and meta-analysis	

	Funding Sources	
	2011/9 - 2015/6	RO1 Investigator-initiated National Institutes of Health (NIH) (USA) Total Funding: 989350 (United States dollar) Funding Competitive?: Yes
	Co-investigator : Inanc Birol	
2002/3 - 2015/3 Co-investigator	CIHR Training Grant in Bioinformatics for Health Research	
	Funding Sources	
	2002/3 - 2015/3	Training Grant Canadian Institutes of Health Research (CIHR) Total Funding: 3342222 (Canadian dollar) Funding Competitive?: Yes
	Principal Investigator : Fiona Susan Lawson Brinkman; Steven Jones	
2011/4 - 2015/3 Co-investigator	A Comprehensive Approach to Identifying Genes for Complex Genetic Disorders: Autism Spectrum Disorders & Beyond - Grant - Infrastructure	
	Funding Sources	
	2011/4 - 2015/3	Leading Edge Fund Canada Foundation for Innovation (CFI) Total Funding: 1709465 (Canadian dollar) Funding Competitive?: Yes
	Principal Investigator : Holden, Jeanette	
2010/4 - 2015/3 Co-investigator	A Comprehensive Approach to Identifying Genes for Complex Genetic Disorders: Autism Spectrum Disorders & Beyond	
	Funding Sources	
	2010/4 - 2015/3	BC Knowledge Development Fund Total Funding: 410529 (Canadian dollar) Funding Competitive?: Yes
	Principal Investigator : Suzanne Lewis	
2010/4 - 2014/3 Co-investigator	Genomics of idiopathic intellectual disabilities - Grant - Operating	
	Funding Sources	
	2010/4 - 2014/3	Operating grants Canadian Institutes of Health Research (CIHR) Total Funding: 561570 (Canadian dollar) Funding Competitive?: Yes
	Co-investigator : Albert Edward Chudley; Jeanette Jeltje Anne Holden; Suzanne Lewis; Wendy Paige Robinson;	
	Principal Investigator : Rajcan-Separovic, Evica	
2009/4 - 2014/3 Co-investigator	Role of microRNA in Major Depression and Suicide - Grant - Operating	
	Funding Sources	
	2009/4 - 2014/3	Operating Grant Canadian Institutes of Health Research (CIHR) Total Funding: 626002 (Canadian dollar) Funding Competitive?: Yes

	Co-investigator : Alain Gratton; Aurelie Labbe; Naguib Mechawar; Principal Investigator : Turecki, Gustavo	
2008/7 - 2013/6 Principal Investigator	Methods and tools for integrative meta-analysis of neuroscience microarray data - Grant	
	Funding Sources	
	2008/7 - 2013/6	New Investigator Canadian Institutes of Health Research (CIHR) Total Funding: 285000 (Canadian dollar) Funding Competitive?: Yes
2010/10 - 2013/3 Principal Investigator	Bioinformatics analysis of gene networks in neurodevelopment - Grant - Operating	
	Funding Sources	
	2010/10 - 2013/3	Opportunities Initiative of NeuroDevNet Networks of Centres of Excellence (NCE) Total Funding: 50000 (Canadian dollar) Funding Competitive?: Yes
2010/1 - 2013/3 Principal Investigator	NeuroDevNet Neuroinformatics Core - Grant - Infrastructure	
	Funding Sources	
	2010/1 - 2013/3	New network proposal (funding of core) Networks of Centres of Excellence (NCE) Total Funding: 746406 (Canadian dollar) Funding Competitive?: Yes
	Principal Investigator : Dan Goldowitz; James Reynolds; Lonnie Zwaigenbaum; Michael Shevell	

Completed

2008/7 - 2012/6 Co-investigator	Genomics for Fisheries Management (FishManOmics) - Grant - Operating	
	Funding Sources	
	2008/7 - 2012/6	Genome British Columbia Total Funding: 2280497 (Canadian dollar) Funding Competitive?: Yes
	Principal Investigator : Miller, Kristi	
2008/4 - 2012/3 Principal Investigator	Laboratory for Neuroinformatics	
	Funding Sources	
	2008/4 - 2012/3	BC Knowledge Development Fund Total Funding: 134895 (Canadian dollar) Funding Competitive?: Yes
2008/4 - 2012/3 Principal Investigator	Laboratory for Neuroinformatics - Grant - Infrastructure	
	Funding Sources	
	2008/4 - 2012/3	New Opportunities Canada Foundation for Innovation (CFI) Total Funding: 134897 (Canadian dollar) Funding Competitive?: Yes
2006/7 - 2012/3	Methods and tools for integrative meta-analysis of neuroscience microarray data - Grant	

Principal Investigator	Funding Sources	
	2006/7 - 2012/3	Scholar Award Michael Smith Foundation for Health Research Total Funding: 351250 (Canadian dollar) Funding Competitive?: Yes
2005/8 - 2011/9 Principal Investigator	Methods and tools for integrative meta-analysis of neuroscience microarray data	
	Funding Sources	
	2005/8 - 2011/11	Human Brain Project Phase 1 National Institutes of Health (NIH) (USA) Total Funding: 1333000 (United States dollar) Funding Competitive?: Yes
2010/4 - 2011/3 Principal Investigator	VanBUG seminar series	
	Funding Sources	
	2010/4 - 2011/3	MITACS Total Funding: 1300 (Canadian dollar) Funding Competitive?: Yes
2010/4 - 2011/3 Principal Investigator	Neuroinformatics for genomics and anatomy - Grant - Operating	
	Funding Sources	
	2010/4 - 2011/3	Discovery grant Natural Sciences and Engineering Research Council of Canada (NSERC) Total Funding: 28000 (Canadian dollar) Funding Competitive?: Yes
2007/2 - 2011/1 Co-investigator	Elucidation of gene networks underlying susceptibility to schizophrenia - Grant - Operating	
	Funding Sources	
	2007/2 - 2011/1	National Institutes of Health (NIH) (USA) Total Funding: 1329994 (United States dollar) Funding Competitive?: Yes
	Principal Investigator : Gogos, Joseph	
2006/8 - 2008/7 Co-investigator	Temporal transcriptomes of TBI and OGD for dissemination (T3OD) - Grant - Operating	
	Funding Sources	
	2006/8 - 2008/7	National Institutes of Health (NIH) (USA) Total Funding: 146553 (United States dollar) Funding Competitive?: Yes
	Principal Investigator : Morrison, Barclay	

Activities

Supervisory Activities

Student/Postdoctoral Supervision

Principal Supervisor	Perez, Sarah - Master's Thesis - UBC - In Progress Student Degree Start Date: 2012/9 Student Degree Expected Date: 2014/9 Project Description: rotation project
Principal Supervisor	Tseng, Luchia - Bachelor's - UBC - In Progress Student Degree Start Date: 2012/9 Student Degree Expected Date: 2015/5 Project Description: Directed studies project
Principal Supervisor	Sedeno, Adriana - Master's Thesis - UBC - In Progress Student Degree Start Date: 2012/9 Student Degree Expected Date: 2014/8
Academic Advisor	Chun, Elizabeth - Doctorate - UBC - In Progress Student Degree Start Date: 2012/9 Student Degree Expected Date: 2016/8
Principal Supervisor	Farahbod, Marjan - Doctorate - UBC - In Progress Student Degree Start Date: 2012/9 Student Degree Expected Date: 2016/9
Principal Supervisor	Edgar, Rachel - Master's Thesis - UBC - In Progress Student Degree Start Date: 2012/9 Student Degree Expected Date: 2014/9 Project Description: Invariant Probes on Methylation Arrays
Principal Supervisor	Eddy, Ellyce - Master's Thesis - UBC - In Progress Student Degree Start Date: 2012/5 Student Degree Expected Date: 2013/12
Co-Supervisor	Fortelny, Nikolaus - Doctorate - UBC - In Progress Student Degree Start Date: 2012/1 Student Degree Expected Date: 2016/6
Principal Supervisor	Ch'ng, Carolyn - Master's Thesis - UBC - In Progress Student Degree Start Date: 2011/9 Student Degree Expected Date: 2013/8 Project Description: rotation project
Academic Advisor	Gatev, Evan - Doctorate - UBC - In Progress Student Degree Start Date: 2011/9 Student Degree Expected Date: 2015/8
Principal Supervisor	Funnell, Tyler - Master's Thesis - UBC - In Progress Student Degree Start Date: 2011/9 Student Degree Expected Date: 2013/8 Project Description: rotation project
Principal Supervisor	Ch'ng, Carolyn - Master's Thesis - UBC - In Progress Student Degree Start Date: 2011/9 Student Degree Expected Date: 2013/8 Project Description: Meta-analysis of ASD gene expression datasets

Academic Advisor	Natrasany, Sarah - Master's Thesis - UBC - In Progress Student Degree Start Date: 2010/9 Student Degree Expected Date: 2013/8
Academic Advisor	Song, Young - Master's Thesis - UBC - In Progress Student Degree Start Date: 2010/9 Student Degree Expected Date: 2013/8
Principal Supervisor	Brown, Mimi - Master's Thesis - UBC - In Progress Student Degree Start Date: 2010/9 Student Degree Expected Date: 2013/8 Project Description: rotation project
Academic Advisor	Peabody, Michael - Doctorate - SFU - In Progress Student Degree Start Date: 2010/9 Student Degree Expected Date: 2014/8
Academic Advisor	Brown, Mimi - Master's Thesis - UBC - In Progress Student Degree Start Date: 2010/9 Student Degree Expected Date: 2013/8
Academic Advisor	Lim, Emilia - Doctorate - UBC - In Progress Student Degree Start Date: 2010/9 Student Degree Expected Date: 2014/8
Principal Supervisor	Mercier, Eloi - Doctorate - UBC - Withdrawn Student Degree Start Date: 2010/9 Project Description: Candidate prioritization in the genetics of intellectual disability
Academic Advisor	Lai, Daniel - Master's Thesis - UBC - In Progress Student Degree Start Date: 2010/9 Student Degree Expected Date: 2013/8
Principal Supervisor	Tan, Patrick - Master's Thesis - UBC - Completed Student Degree Start Date: 2010/9 Student Degree Received Date: 2012/11 Project Description: Gene expression analysis of human and rodent brains Present Position: Bioinformatician at UBC
Academic Advisor	Stepien, Kasia - Master's Thesis - UBC - In Progress Student Degree Start Date: 2010/1 Student Degree Expected Date: 2013/5
Academic Advisor	Courtot, Melanie - Doctorate - UBC - In Progress Student Degree Start Date: 2009/9 Student Degree Expected Date: 2013/8
Principal Supervisor	Lim, Raymond - Master's Thesis - UBC - Completed Student Degree Start Date: 2009/9 Student Degree Received Date: 2011/8 Project Description: Wide-scale comparison of transcriptome data and the role of microRNA in major depression and suicide Present Position: Bioinformatician at BCCA
Principal Supervisor	Chen, Fong Chun - Master's Thesis - UBC - Completed Student Degree Start Date: 2009/9 Student Degree Received Date: 2011/12 Project Description: rotation project

Academic Advisor	Deng, Yu - Master's Thesis - UBC - Completed Student Degree Start Date: 2009/9 Student Degree Received Date: 2011/1
Principal Supervisor	Morien, Evan - Master's Thesis - UBC - Completed Student Degree Start Date: 2009/9 Student Degree Received Date: 2012/8 Project Description: Characterization of the Wild Salmon Transcriptome Present Position: Bioinformatician at UBC
Principal Supervisor	Au Young, Timothy - Master's Thesis - UBC - Withdrawn Student Degree Start Date: 2009/9 Project Description: rotation project
Principal Supervisor	Ma, Canice - Bachelor's - UBC - In Progress Student Degree Start Date: 2009/9 Student Degree Expected Date: 2013/5 Project Description: Directed studies project
Principal Supervisor	Rogic, Sanja - Post-doctorate - UBC - Completed Student Degree Start Date: 2009/4 Student Degree Received Date: 2010/8 Project Description: Meta-analysis of kindling-induced gene expression changes in the rat hippocampus Present Position: research assoiate/lab manager at UBC
Academic Advisor	Zhang, Shuting - Doctorate - UBC - In Progress Student Degree Start Date: 2009/1 Student Degree Expected Date: 2013/8
Principal Supervisor	Sierocinski, Thomas - Post-doctorate - UBC - Completed Student Degree Start Date: 2008/12 Student Degree Received Date: 2011/6 Project Description: Machine learning approaches to salmon genomics Present Position: Bioinformatician at GenomeDX
Principal Supervisor	Wong, Albertina - Bachelor's - UBC - In Progress Student Degree Start Date: 2008/9 Student Degree Expected Date: 2014/5 Project Description: Directed studies project
Academic Advisor	O'Neill, Kieran - Doctorate - UBC - In Progress Student Degree Start Date: 2008/9 Student Degree Expected Date: 2013/8
Academic Advisor	Goya, Rodrigo - Doctorate - UBC - In Progress Student Degree Start Date: 2008/9 Student Degree Expected Date: 2013/8
Academic Advisor	Luo, Yawen - Master's Thesis - UBC - Completed Student Degree Start Date: 2008/9 Student Degree Received Date: 2011/1
Academic Advisor	Aghaeepour, Nima - Doctorate - UBC - Completed Student Degree Start Date: 2008/9 Student Degree Received Date: 2012/11 Present Position: postdoc at Stanford University

Principal Supervisor	Crisan, Ana - Master's Thesis - UBC - Completed Student Degree Start Date: 2008/9 Student Degree Received Date: 2010/9 Project Description: rotation project Present Position: Bioinformatician at GenomeDX
Principal Supervisor	Shao, Sherry - Bachelor's - UBC - In Progress Student Degree Start Date: 2008/9 Student Degree Expected Date: 2014/4 Project Description: Directed studies project
Principal Supervisor	Kwok, Willie - Bachelor's Honours - UBC - In Progress Student Degree Start Date: 2008/9 Student Degree Expected Date: 2013/5 Project Description: Directed studies project
Principal Supervisor	Hall, Adam - Master's Thesis - UBC - Completed Student Degree Start Date: 2008/9 Student Degree Received Date: 2010/11 Project Description: rotation project
Principal Supervisor	Okada, Mark - Master's Thesis - UBC - Completed Student Degree Start Date: 2008/9 Student Degree Received Date: 2011/2 Project Description: rotation project Present Position: Financial dostrict in Tokyo
Principal Supervisor	Siu, Celia - Bachelor's - UBC - In Progress Student Degree Start Date: 2008/9 Student Degree Expected Date: 2013/5 Project Description: Directed studies project
Academic Advisor	Hunt Newbury, Rebecca - Doctorate - UBC - In Progress Student Degree Start Date: 2007/9 Student Degree Expected Date: 2013/8
Principal Supervisor	Gillis, Jesse - Post-doctorate - UBC - Completed Student Degree Start Date: 2007/9 Student Degree Received Date: 2012/6 Project Description: Meta-analysis of gene expression Present Position: assistant professor at CSHL
Academic Advisor	Morin, Ryan - Doctorate - UBC - Completed Student Degree Start Date: 2007/9 Student Degree Received Date: 2011/12 Project Description: Mutation discovery and characterization in lymphoid neoplasms using massively parallel RNA and DNA sequencing Present Position: Assistant Professor at SFU
Principal Supervisor	Liu, Po - Bachelor's - UBC - In Progress Student Degree Start Date: 2007/9 Student Degree Expected Date: 2013/11 Project Description: Directed studies project
Principal Supervisor	Wiebe, Nicholas - Master's Thesis - UBC - Completed Student Degree Start Date: 2007/9 Student Degree Received Date: 2010/8 Project Description: rotation project

Principal Supervisor	Lotay, Vaneet - Master's Thesis - UBC - Completed Student Degree Start Date: 2007/9 Student Degree Received Date: 2009/12 Project Description: Algorithms for analysis of gene expression Present Position: Bioinformatician at Mt. Sinai Med.NY
Academic Advisor	Vander Valk, Ben - Master's Thesis - UBC - Completed Student Degree Start Date: 2007/9 Student Degree Received Date: 2010/12 Project Description: The SHARE System: a Semantic Web Based Approach for Evaluating Queries Across Distributed Bioinformatics Databases and Software
Academic Advisor	Fejes, Anthony - Doctorate - UBC - Completed Student Degree Start Date: 2007/1 Student Degree Received Date: 2012/4 Project Description: Algorithms and Applications of Next-Generation DNA Sequencing Present Position: Bioinformatics Programmer/Analyst at Centre for Molecular Medicine and Therapeutics, UBC
Principal Supervisor	Wan, Xiang - Post-doctorate - Hong Kong University - Completed Student Degree Start Date: 2006/9 Student Degree Received Date: 2007/8 Project Description: Meta-analysis of gene expression Present Position: Postdoc
Academic Advisor	Morozova, Olena - Doctorate - UBC - Completed Student Degree Start Date: 2006/9 Student Degree Received Date: 2012/5 Project Description: Genomic studies of the normal and malignant neural crest Present Position: postdoc at UCSC
Principal Supervisor	Mistry, Meeta - Doctorate - UBC - Completed Student Degree Start Date: 2006/9 Student Degree Received Date: 2012/7 Project Description: Meta-anaylses of expression profiling data in the postmortem human brain Present Position: postdoc
Principal Supervisor	French, Leon - Doctorate - UBC - Completed Student Degree Start Date: 2006/9 Student Degree Received Date: 2012/1 Project Description: Bioinformatics for Neuroanatomical Connectivity Present Position: postdoc
Principal Supervisor	Giulfoyle, Eileen - Doctorate - Columbia University - Completed Student Degree Start Date: 2005/9 Project Description: rotation project
Principal Supervisor	Cozen, Gozde - Master's Thesis - SFU - Completed Student Degree Start Date: 2005/9 Student Degree Received Date: 2007/8 Project Description: rotation project
Principal Supervisor	Zhou, Xiang - Doctorate - Columbia University - Completed Student Degree Start Date: 2005/9 Project Description: rotation project

Principal Supervisor	Lim, Wei Keat - Doctorate - Columbia University - Completed Student Degree Start Date: 2004/9 Student Degree Received Date: 2008/12 Project Description: rotation project Present Position: Research Scientist
Principal Supervisor	Hsiao, Tzu-Lin - Doctorate - Columbia University - In Progress Student Degree Start Date: 2004/9 Student Degree Expected Date: 2013/8 Project Description: rotation project
Principal Supervisor	Sinha, Anshu - Master's Thesis - Columbia University - Completed Student Degree Start Date: 2004/9 Student Degree Received Date: 2006/6 Project Description: rotation project
Principal Supervisor	Sethi, Achint - Doctorate - Columbia University - Withdrawn Student Degree Start Date: 2004/9 Project Description: rotation project
Co-Supervisor	Pantazatos, Spiro - Doctorate - Columbia University - In Progress Student Degree Start Date: 2004/9 Student Degree Expected Date: 2013/8
Principal Supervisor	Quigley, David - Master's Thesis - Columbia University - Completed Student Degree Start Date: 2004/9 Student Degree Received Date: 2006/6
Principal Supervisor	Hsu, Amy - Doctorate Equivalent - Columbia University - Completed Student Degree Start Date: 2003/9 Student Degree Received Date: 2006/12 Project Description: rotation
Principal Supervisor	Qin, Jie - Post-doctorate - Johnson & Johnson - Completed Student Degree Start Date: 2003/1 Student Degree Received Date: 2005/1 Project Description: Gene expression analysis methods Present Position: Research Scientist
Principal Supervisor	Kreuger, Karin - Master's Thesis - Columbia University - Completed Student Degree Start Date: 2002/9 Student Degree Received Date: 2004/1

Staff Supervision

Number of Scientific and Technical Staff: 0

Number of Visiting Researchers: 1

Advisory Activities

Mentoring Activities

2006/1 - 2013/3 supervisor	University of British Columbia Number of Mentorees: 16 Activity Description: Supervising co-op students during 4- or 8-month terms. Also supervising undergraduate research assistants.
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Contributions

Presentations

2013-04-22	"Gene Multifunctionality and the Interpretation of Protein Networks", The Fifth Annual CNPN Symposium, Canada, British Columbia, Vancouver Main Audience: Researcher Invited?: Yes
2013-03-24	"From gene lists, networks and annotations to function", 12th Annual UT-ORNL-KBRIN Bioinformatics Summit 2013, United States, Tennessee, Buchanan Main Audience: Researcher Invited?: Yes
2012-05-15	"Challenges in the analysis of gene networks in the brain with applications to schizophrenia", Society for Biological Psychiatry Annual Meeting, United States, Pennsylvania, Philadelphia Main Audience: Researcher Invited?: Yes
2012-05-01	"Neuroinformatics of connectivity and genomics", INCF Canadian Neuroinformatics Workshop: A satellite symposium of the CAN 2012 meeting, Canada, British Columbia, Vancouver Main Audience: Researcher Invited?: Yes
2011-12-15	"The challenge of interpreting gene lists in the face of multifunctionality", Simon Fraser University, Canada, British Columbia, Vancouver Main Audience: Researcher Invited?: Yes
2011-12-01	"Network analysis in analysis of brain genes and connectivity", Allen Institute for Brain Research, United States, Washington, Seattle Main Audience: Researcher Invited?: Yes
2011-11-01	"The ruin of gene network analysis by multifunctionality", VanBUG seminar series, Canada, British Columbia, Vancouver Main Audience: Researcher Invited?: Yes
2011-06-01	"Gene network analysis and the effects of multifunctionality", University of Edmonton, Canada, Alberta, Edmonton Main Audience: Researcher Invited?: Yes
2011-05-01	"The impact of gene multifunctionality on computational genomics", Annual Canadian Human Genetics Conference, Canada, Alberta, Banff Main Audience: Researcher Invited?: Yes
2010-02-01	"Does guilt-by-association work the way you think it does?", Center for Molecular Medicine and Therapeutics, Canada, British Columbia, Vancouver Main Audience: Researcher Invited?: Yes

2008-05-01	"System capabilities for data sharing, potential applications, analysis strategies", Workshop on Gene Expression Profiling of Postmortem Human Brain. Society for Biological Psychiatry annual meeting, United States, District of Columbia, Washington Main Audience: Researcher Invited?: Yes
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Publications

Journal Articles

Published Co-Author	Qiao Y, Badduke C, Mercier E*, Lewis SME, Pavlidis P, Rajcan-Separovic E, "miRNA and miRNA target genes in copy number variations occurring in individuals with intellectual disability", BMC Genomics, 14(544),
Published Last Author	Gillis J, Pavlidis P, "Characterizing the state of the art in the computational assignment of gene function: lessons from the first critical assessment of functional annotation (CAFA)", BMC Bioinformatics, 14(S15),
2013/3 Published Co-Author	Melka MG, Gillis J, Bernard M, Abrahamowicz M, Chakravarty MM, Leonard GT, Perron M, Richer L, Veillette S, Banaschewski T, Barker GJ, Büchel C, Conrod P, Flor H, Heinz A, Garavan H.. Pavlidis P et al, "FTO, obesity and the adolescent brain", Human molecular genetics, 22(5), 1050-1058,
2013/2 Published Last Author	Elodie Portales-Casamar, Carolyn Ching, Frances Lui, Nicolas St-Georges, Anton Zoubarov, Artemis Y Lai, Mark Lee, Cathy Kwok, Willie Kwok, Luchia Tseng and Paul Pavlidis, "Neurocarta: aggregating and sharing disease-gene relations for the neurosciences", BMC Genomics, 14(129), Refereed?: Yes
2013/2 Published Last Author	Gillis J, Pavlidis P, "Assessing identity, redundancy and confounds in Gene Ontology annotations over time", Bioinformatics, 29(4), 476-482,
2013/2 Published Last Author	Tan PPC, French L, Pavlidis P, "Neuron-enriched gene expression patterns are regionally anti-correlated with oligodendrocyte-enriched patterns in the adult mouse and human brain", Frontiers in Neurogenomics,
2012/11 Published Last Author	French L., Lane S., Xu L., Siu C., Kwok C., Chen Y., Krebs C, Pavlidis P, "Application and evaluation of automated methods to extract neuroanatomical connectivity statements from free text", Bioinformatics, 28(22), 2963-2970,
2012/11 Published Co-Author	Paus T, Bernard M, Chakravarty MM, Davey Smith G, Gillis J, Lourdasamy A, Melka MG, Leonard G, Pavlidis P, Perron M, Pike GB, Richer L, Schumann G, Timpson N, Toro R, Veillette S, Pausova Z, "KCTD8 Gene and Brain Growth in Adverse Intrauterine Environment: A Genome-wide Association Study", Cerebral Cortex, 22(11), 2634-2642,
2012/9 Published Last Author	Zoubarov A, Hamer KM, Keshav KD, McCarthy EL, Santos JR, Van Rossum T, McDonald C, Hall A, Wan X, Lim R, Gillis J, Pavlidis P, "Gemma: A resource for the re-use, sharing and meta-analysis of expression profiling data", Bioinformatics, 28(17), 2272-2273,
2012/7 Published Co-Author	Jeffries KM, Hinch SG, Sierocinski T, Clark TD, Eliason EJ, Donaldson MR, Li S, Pavlidis P, Miller KM, "Consequences of high temperatures and premature mortality on the transcriptome and blood physiology of wild adult sockeye salmon (<i>Oncorhynchus nerka</i>)", Ecology and Evolution, 2(7), 1747-1764,

2012/7 Published Co-Author	Pantazatos SP, Talati A, Pavlidis P, Hirsch J, "Cortical functional connectivity decodes subconscious, task-irrelevant threat-related emotion processing", <i>Neuroimage</i> , 61(4), 1355-1363,
2012/6 Published Co-Author	Mulder KW, Wang X, Escriu C, Ito Y, Schwarz RF, Gillis J, Sirokmány G, Donati G, Uribe-Lewis S, Pavlidis P, Murrell A, Markowetz F, Watt FM, "Diverse epigenetic strategies interact to control epidermal differentiation", <i>Nature Cell Biology</i> , 14(7), 753-763,
2012/3 Published Co-Author	Pantazatos SP, Talati A, Pavlidis P, Hirsch J, "Decoding unattended fearful faces with whole-brain correlations: an approach to identify condition-dependent large-scale functional connectivity", <i>PLoS Computational Biology</i> , 8(3),
2012/3 Published Last Author	Gillis J, Pavlidis P, "Guilt by association is the exception rather than the rule in gene networks", <i>PLoS Computational Biology</i> , 8(3),
2012/1 Published Last Author	Mistry M, Gillis J, Pavlidis P, "Genome-wide expression profiling of schizophrenia using a large combined cohort", <i>Molecular Psychiatry</i> ,
2011/8 Published Co-Author	Harvard C, Strong E, Mercier E, Colnaghi R, Alcantra D, Chow E, Martell S, Tyson C, Hrynychak M, McGillivray B, Hamilton S, Marles S, Mhanni A, Dawson A, Pavlidis P, Qiao Y, Holden JJ, Lewis SM, et al., "Understanding the impact of 1q21.1 Copy Number Variant", <i>Orphanet Journal of Rare Diseases</i> , 6(1), 54,
2011/7 Published Last Author	Gillis J., Pavlidis P, "The role of indirect connections in gene networks in predicting function", <i>Bioinformatics</i> , 27(13), 1860-1866,
2011/7 Published Last Author	French L, Tan PP, Pavlidis P, "Large-Scale Analysis of Gene Expression and Connectivity in the Rodent Brain: Insights through Data Integration", <i>Frontiers in Neuroinformatics</i> , 5(12),
2011/6 Published Last Author	French L, Pavlidis P, "Using text mining to link journal articles to neuroanatomical databases", <i>Journal of Comparative Neurology</i> , 520(8), 1772-1778,
2011/2 Published Last Author	Gillis J., Pavlidis P, "The impact of multifunctional genes on "guilt by association" analysis", <i>PLoS ONE</i> , 6(2),
2011/1 Published Co-Author	Miller KM, Li S, Kaukinen K, Ginther N, Hammill E, Curtis JMR, Patterson D, Siercinski T, Donnison L, Pavlidis P, Hinch SG, Hruska KA, Cooke SJ, English KK, and Farrell AP, "Genomic signatures predict migration and spawning failure in wild salmon", <i>Science</i> , 331(6014), 214-217,
2011/1 Published Last Author	French L, Pavlidis P, "Relationships between gene expression and brain wiring in the adult rodent brain", <i>PLoS Computational Biology</i> , 7(1),
2010/8 Published Co-Author	Qiao Y, Harvard C, Tyson C, Liu X, Fawcett C, Pavlidis P., Holden JAA, Lewis MES, Rajcan-Separovic E, "Outcome of array CGH analysis for 255 subjects with intellectual disability and search for candidate genes using bioinformatics", <i>Human Genetics</i> , 128(2), 179-194,
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2011-02-01	Pavlidis and Noble, "Matrix2png" http://www.chibi.ubc.ca/matrix2png/
2008-12-01	Pavlidis and Noble, "Gist" http://www.chibi.ubc.ca/gist/
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2011/3 Published Last Author	Gillis, J and Pavlidis, P., "Multifunctionality drives gene characterization: A re-evaluation of hubs and promiscuity in gene function prediction" Poster , RECOMB, Invited?: Yes
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Intellectual Property

Patents

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