



Protected when completed

Date Submitted: 2014-02-13 21:57:14**Confirmation Number:** 220651**Template:** CIHR Academic

Personal Information

Identification

Dr. Jun-Li Liu

Correspondence language: English

Sex: Male

Date of Birth: 4/23

Canadian Residency Status: Canadian Citizen

Country of Citizenship: Canada

Language Skills

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

Address

The primary address is denoted by (*)

Primary Affiliation (*)
Laboratoires Fraser, Suite H5-21 Department of Medicine The Research Institute of McGill University Health Centre 687, avenue des Pins Ouest Montreal H3A 1A1 Canada, Quebec

Telephone

The primary telephone is denoted by (*)

Mobile	514-2622842
Work (*)	514-9341934 extension: 35059

Email

The primary email is denoted by (*)

Work (*)	jun-li.liu@mcgill.ca
----------	----------------------

Website

Corporate	http://www.mcgill.ca/endocrinology/facultydir/liujun-li
-----------	---

User Profile

Disciplines Trained In: Endocrinology, Physiology

Research Disciplines: Molecular Biology, Endocrinology

Areas of Research: Hormones and Growth Factors, Endocrine System, Pancreas, Diabetes

Fields of Application: Biomedical Aspects of Human Health

Research Specialization Keywords: bariatric surgery, Cre/loxP system, diabetes mellitus, growth and development, growth hormone, insulin-like growth facto, knockout mice, pancreatic islets, Reg family proteins, transgenic mice

Education

Degrees

1995/5 - 2000/3	Post-doctorate - Postdoctorate Fellowship - Molecular Endocrinology - National Institutes of Health - Completed Supervisors: Derek LeRoith
1990/1 - 1995/4	Doctorate - Doctor of Philosophy - Experimental Medicine - McGill University - Completed Supervisors: Yogesh C. Patel
1982/9 - 1985/9	Master's Thesis - Master of Science - Masters - Physiology - Beijing Medical University - Completed Supervisors: Xi-Jin Zhang
1978/10 - 1982/7	Bachelor's - Bachelor of Science - Biology - Beijing University/Peking University - Completed Supervisors: Yi-Peng Cai

Recognitions

2008/7 - 2011/6	Chercheurs-boursiers-Fondamental, Senior - Prize / Award Fonds de la recherché en santé Quebec Amount: 171710 (Canadian dollar)
2005/7 - 2008/6	John R. & Clara M. Fraser Memorial Award - Prize / Award McGill University Amount: 90000 (Canadian dollar)
2004/6 - 2007/6	Visiting Professor - Distinction Shanghai Jiaotong University Medical School
2001/6 -	Travel Grant Award - Distinction The Endocrine Society Amount: 500 (United States dollar)
2000/7 - 2005/6	Career Development Award - Prize / Award Juvenile Diabetes Research Foundation International Amount: 554375 (United States dollar)

1999/7 -	Fellows Award for Research Excellence - Distinction National Institutes of Health Amount: 1000 (United States dollar)
1998/6 -	New Investigator Award - Distinction The Endocrine Society Amount: 1000 (United States dollar)
1996/7 - 1999/6	Fellowship - Prize / Award Medical Research Council of Canada Amount: 90000 (Canadian dollar)
1993/4 - 1995/4	Studentship - Prize / Award Royal Victoria Hospital Amount: 30000 (Canadian dollar)

Employment

Academic Work Experience

2000/4 - 2008/5	Assistant Professor McGill University - Faculty of Medicine - Department of Medicine
1985/9 - 1989/1	Lecturer Beijing Medical University - Physiology

Affiliations

The primary affiliation is denoted by (*)

(*) 2008/6 -	Associate Professor - Department of Medicine - McGill University
--------------	--

Research Funding History

Awarded

2011/7 - 2014/6 Principal Investigator	The anti-diabetic effect of Reg proteins induced by duodenum-jejunal bypass in obese rodents Co-investigator : Lu, Yarong; Srikant, C.B.	
	Funding Sources	
	2011/7 - 2014/6	Operating grant Canadian Diabetes Association Total Funding: 225000 (Canadian dollar) Funding Competitive?: Yes

Completed

2007/4 - 2012/3 Principal Investigator	The role of IGF-I in pancreatic islet growth and glucose homeostasis	
	Funding Sources	
	2007/4 - 2012/3	Discovery grant Natural Sciences and Engineering Research Council of Canada (NSERC) Total Funding: 109000 (Canadian dollar) Funding Competitive?: Yes

2011/4 - 2012/3 Principal Investigator	Effets des protéines Reg sur la croissance et la protection des cellules b pancréatiques Principal Investigator : Wang, Xiao Funding Sources 2011/4 - 2012/3 Échanges FRSQ/NSFC (Chine) Fonds de la Recherche en Santé du Québec (FRSQ) Total Funding: 11000 (Canadian dollar) Funding Competitive?: Yes
2010/12 - 2011/11 Principal Investigator	Thermo Scientific NanoDrop ND-2000c Spectrophotometer Funding Sources 2010/12 - 2011/11 Equipment fund McGill University Health Centre Research Institute Total Funding: 17148 (Canadian dollar) Funding Competitive?: Yes
2007/7 - 2011/6 Principal Investigator	Effects of Reg proteins on islet cell growth and protection Co-applicant : Srikant, C. B. Funding Sources 2007/7 - 2011/6 Operating grant Canadian Institutes of Health Research (CIHR) Total Funding: 360861 (Canadian dollar) Funding Competitive?: Yes
2010/7 - 2011/6 Principal Applicant	L'identification et l'évaluation fonctionnelle des gènes cibles régulés par IGF-1 dans les îlots pancréatiques Principal Applicant : Rong Yu Funding Sources 2010/7 - 2011/6 Échanges FRSQ/NSFC (Chine) Fonds de recherche du Québec - Santé (FRQS) Total Funding: 11000 (Canadian dollar) Funding Competitive?: Yes
2008/1 - 2010/12 Principal Investigator	Reg family proteins on pancreatic islet cell growth Co-applicant : Ning, Guang Funding Sources 2008/1 - 2010/12 China-Canada Joint Health Research Initiative Canadian Institutes of Health Research (CIHR) Total Funding: 90000 (Canadian dollar) Funding Competitive?: Yes

Activities

Supervisory Activities

Student/Postdoctoral Supervision

Co-Supervisor	Xin Fang - Doctorate - Beijing University of Chinese Traditional Medicine - In Progress Student Degree Start Date: 2012/9 Project Description: Reg family gene regulation
---------------	---

Principal Supervisor	Qing Li - Doctorate - McGill University - In Progress Student Degree Start Date: 2012/9 Project Description: Reg family proteins
Principal Supervisor	Chen Luo - Doctorate - China Pharmaceutical University - Completed Student Degree Start Date: 2010/9 Student Degree Received Date: 2012/9 Project Description: Reg family proteins Present Position: China Pharmaceutical University
Principal Supervisor	Ying Wang - Doctorate - China Pharmaceutical University - Completed Student Degree Start Date: 2009/10 Student Degree Received Date: 2010/9 Project Description: IGF-I on pancreatic islets Present Position: Lecturer, China Pharmaceutical University
Principal Supervisor	Xiao Wang - Post-doctorate - McGill University - Completed Student Degree Start Date: 2009/2 Student Degree Received Date: 2010/2 Project Description: Pancreatic islet insulin secretion Present Position: Associate Professor, China
Principal Supervisor	Cecile Jacovett - Master's Thesis - University Bordeaux 1 in France - Completed Student Degree Start Date: 2009/1 Student Degree Received Date: 2009/6 Project Description: Reg gene expression Present Position: Graduate student, Switzerland
Principal Supervisor	Subrata Chowdhury - Doctorate - McGill University - In Progress Student Degree Start Date: 2008/8 Student Degree Expected Date: 2014/12 Project Description: IGF-I and pancreatic islets
Principal Supervisor	Bing Li - Post-doctorate - McGill University - Completed Student Degree Start Date: 2007/11 Student Degree Received Date: 2012/6 Project Description: Reg family proteins Present Position: McGill University
Principal Supervisor	Xiaoquan Xiong - Doctorate - McGill University - Completed Student Degree Start Date: 2007/10 Student Degree Received Date: 2012/5 Project Description: Reg family proteins Present Position: PDF, University of Toronto
Co-Supervisor	Lu Liu - Doctorate - McGill University - Completed Student Degree Start Date: 2007/9 Student Degree Received Date: 2013/6 Project Description: Protective effect of Reg2 protein on pancreatic islet cells Present Position: Postdoc fellow, University of Montreal
Principal Supervisor	Kristine De Jesus - Master's Thesis - McGill University - Completed Student Degree Start Date: 2007/5 Student Degree Received Date: 2009/6 Project Description: IGF-I overexpression Present Position: Medical Student, Australia

Principal Supervisor	Wei Cui - Doctorate - Xi'An Jiao Tong University - Completed Student Degree Start Date: 2006/11 Student Degree Received Date: 2007/12 Project Description: Reg family proteins on islet cell growth Present Position: Associate Professor, China
Principal Supervisor	Qing Su - Post-doctorate - McGill University - Completed Student Degree Start Date: 2006/9 Student Degree Received Date: 2007/1 Project Description: Reg family proteins in islet cell growth Present Position: Professor, Chief Endocrinology, China
Principal Supervisor	Zhengyi Tang - Post-doctorate - McGill University - Completed Student Degree Start Date: 2003/9 Student Degree Received Date: 2004/8 Project Description: Liver-specific IGF-I gene knockout Present Position: Professor, Shanhai Jiao Tong University
Principal Supervisor	Katherine Robertson - Doctorate - McGill University - Completed Student Degree Start Date: 2003/5 Student Degree Received Date: 2007/8 Project Description: Pancreatic islet function in GHR-/- mice Present Position: Biotech Industry, USA
Principal Supervisor	Yubin Guo - Post-doctorate - McGill University - Completed Student Degree Start Date: 2002/7 Student Degree Received Date: 2004/12 Project Description: Pancreatic islet-specific IGF-I over expression Present Position: University of British Columbia
Principal Supervisor	Rong Yu - Post-doctorate - McGill University - Completed Student Degree Start Date: 2001/8 Student Degree Received Date: 2002/8 Project Description: Liver-specific IGF-I gene knockout Present Position: Professor, Hunan TCM University
Principal Supervisor	Yarong Lu - Doctorate - McGill University - Completed Student Degree Start Date: 2001/8 Student Degree Received Date: 2006/6 Project Description: Pancreatic specific IGF-I knockout Present Position: Biotech Industry, USA

Advisory Activities

Mentoring Activities

2005/9 - Academic advisor	The Research Institute of the McGill University Health Centre Number of Mentorees: 10 Activity Description: Provide academic advice, organize annual thesis meetings, to PhD and MSc students within the Division of Experimental Medicine, McGill University
------------------------------	---

Contributions

Presentations

2012-09-25	"The regulation of 11b-HSD1 and CCN5/WISP2 by IGF-I in the pancreatic islets", Ruijin Endocrine Medical Forum Shanghai Jiao Tong University Shanghai, China, China, Shanghai Main Audience: Researcher Invited?: Yes
2011-06-05	Sharma, Arun, "Oral session co-chair Session: Basic/translational - Beta cell biology", The Endocrine Society's 93rd annual meeting, United States, Massachusetts, Boston Main Audience: Researcher Invited?: Yes
2011-04-13	"A critical evaluation of Reg family proteins on pancreatic islet growth and protection", Department of Physiology, Peking University, China, Beijing Main Audience: Researcher Invited?: Yes
2011-04-09	"Recent progress in the study of islet beta-cell secretion", The 9th Meeting of China Group on Insulin Secretion, China, Shaoxing Main Audience: Researcher Invited?: Yes
2009-12-23	"Pancreatic islet-enriched overexpression of IGF-I on islet growth, survival and gene expression", China Pharmaceutical University, China, Nanjing Main Audience: Researcher Invited?: Yes

Publications

PubMed Articles

2013-09-12	D Zhang, M Fu, SH Gao and JL Liu (doi:10.1155/2013/636053), "Curcumin and diabetes: a systematic review", Evidence-Based Complementary and Alternative Medicine, 2013(Article ID 636053, 16 p) http://www.hindawi.com/journals/ecam/2013/636053/ Open Access?: Yes PubMed ID: 24348712
2013-08-13	Li B , Luo C , Chowdhury S , Gao ZH , Liu JL, "Parp1 deficient mice are protected from streptozotocin-induced diabetes but not caerulein-induced pancreatitis, independent of the induction of Reg family genes.", Regulatory Peptides, 186 PubMed ID: 23954400 Funding Sources: Canadian Diabetes Association - OG-3-11-3469-JL; Canadian Institutes of Health Research (CIHR) - MOP-84389

2013-01-30	<p>Luo C , Li B , Liu L , Yin HP , Wang M , Liu JL, "Transcriptional activation of Reg2 and Reg3β genes by glucocorticoids and interleukin-6 in pancreatic acinar and islet cells.", <i>Molecular and cellular endocrinology</i>, 365(2) Open Access?: No PubMed ID: 23147030</p> <p>Funding Sources: Canadian Diabetes Association - OG-3-11-3469-JL; Canadian Institutes of Health Research (CIHR) - MOP-84389; China Scholarship Council (CSC) - 2010076006</p>
2013-01-22	<p>B Li, Y Lu, CB Srikant, ZH Gao, JL Liu, "Intestinal adaptation and Reg gene expression caused by anti-diabetic duodenal-jejunal bypass surgery in Zucker fatty rats", <i>Am J Physiol - GI Liver</i>, 304 PubMed ID: 23370676</p> <p>Funding Sources: Canadian Diabetes Association - OG-3-11-3469-JL</p>
2012-09-01	<p>Liu JL , Srikant CB , Chowdhury S, "Comment on: Turban et al. Optimal Elevation of beta-Cell 11beta-Hydroxysteroid Dehydrogenase Type 1 Is a Compensatory Mechanism That Prevents High-Fat Diet-Induced beta-Cell Failure. <i>Diabetes</i> 2012;61:642-652.", <i>Diabetes</i>, 61(9) PubMed ID: 22923656</p> <p>Funding Sources: Canadian Diabetes Association - OG-3-11-3469-JL</p>
2011-12-20	<p>Liu JL , Srikant CB , Chowdhury S, "Is 11beta-HSD1 expressed in islet beta-cells and regulated by corticotropin-releasing hormone?", <i>Proceedings of the National Academy of Sciences of the United States of America</i>, 108(51) PubMed ID: 22159036</p> <p>Funding Sources: Natural Sciences and Engineering Research Council of Canada (NSERC) - RGPIN 341205-07</p>
2011-04-01	<p>Xiong X , Wang X , Li B , Chowdhury S , Lu Y , Srikant CB , Ning G , Liu JL, "Pancreatic islet-specific overexpression of Reg3beta protein induced the expression of pro-islet genes and protected the mice against streptozotocin-induced diabetes mellitus.", <i>American journal of physiology. Endocrinology and metabolism</i>, 300(4) PubMed ID: 21245462</p> <p>Funding Sources: Canadian Institutes of Health Research (CIHR) - MOP-84389; Canadian Institutes of Health Research (CIHR) - CCI-85675; Natural Sciences and Engineering Research Council of Canada (NSERC) - 341205-07</p>
2011-04-01	<p>Wang Y , Jacovetti C , Li B , Siddique T , Xiong X , Yin H , Wang M , Zhao H , Liu JL, "Coordinated age-dependent and pancreatic-specific expression of mouse Reg2 and Reg3beta genes.", <i>Growth factors (Chur, Switzerland)</i>, 29(2-3) PubMed ID: 21410322</p> <p>Funding Sources: Canadian Institutes of Health Research (CIHR) - MOP-84389; Canadian Institutes of Health Research (CIHR) - CCI-85675; Natural Sciences and Engineering Research Council of Canada (NSERC) - 341205-07</p>

2010-10-01	<p>Liu L , Liu JL , Srikant CB, "Reg2 protects mouse insulinoma cells from streptozotocin-induced mitochondrial disruption and apoptosis.", Growth factors (Chur, Switzerland), 28(5) PubMed ID: 20919961</p> <p>Funding Sources: Canadian Institutes of Health Research (CIHR) - NMD-83124; Canadian Institutes of Health Research (CIHR) - MOP-84389</p>
2010-08-01	<p>Li B , Wang X , Liu JL, "Pancreatic acinar-specific overexpression of Reg2 gene offered no protection against either experimental diabetes or pancreatitis in mice.", American journal of physiology. Gastrointestinal and liver physiology, 299(2) PubMed ID: 20489047</p> <p>Funding Sources: Canadian Institutes of Health Research (CIHR) - MOP-84389; Canadian Institutes of Health Research (CIHR) - CCI-85675</p>
2009-12-01	<p>De Jesus K , Wang X , Liu JL, "A general IGF-I overexpression effectively rescued somatic growth and bone deficiency in mice caused by growth hormone receptor knockout.", Growth factors (Chur, Switzerland), 27(6) PubMed ID: 19824875</p> <p>Funding Sources: Canadian Institutes of Health Research (CIHR) - CCI-85675; Natural Sciences and Engineering Research Council of Canada (NSERC) - 341205-07</p>
2009-06-01	<p>Cui W , De Jesus K , Zhao H , Takasawa S , Shi B , Srikant CB , Liu JL, "Overexpression of Reg3alpha increases cell growth and the levels of cyclin D1 and CDK4 in insulinoma cells.", Growth factors (Chur, Switzerland), 27(3) PubMed ID: 19343564</p> <p>Funding Sources: Canadian Diabetes Association - IG-1-07-2305-JL; Canadian Institutes of Health Research (CIHR) - MOP-84389; Canadian Institutes of Health Research (CIHR) - CCI-85675; Natural Sciences and Engineering Research Council of Canada (NSERC) - 341205-07</p>
2008-05-01	<p>Robertson K , Lu Y , De Jesus K , Li B , Su Q , Lund PK , Liu JL, "A general and islet cell-enriched overexpression of IGF-I results in normal islet cell growth, hypoglycemia, and significant resistance to experimental diabetes.", American journal of physiology. Endocrinology and metabolism, 294(5) PubMed ID: 18270301</p> <p>Funding Sources: Canadian Diabetes Association - IG-1-07-2305-JL; Canadian Institutes of Health Research (CIHR) - MOP-84389; Canadian Institutes of Health Research (CIHR) - CCI-85675; Canadian Institutes of Health Research (CIHR) - NMD-83124; Natural Sciences and Engineering Research Council of Canada (NSERC) - RGPIN341205-07</p>
2008-03-01	<p>Liu JL , Cui W , Li B , Lu Y, "Possible roles of reg family proteins in pancreatic islet cell growth.", Endocrine, metabolic & immune disorders drug targets, 8(1) PubMed ID: 18393918</p> <p>Funding Sources: Canadian Diabetes Association - IG-1-07-2305-JL; Canadian Institutes of Health Research (CIHR) - MOP-84389; Canadian Institutes of Health Research (CIHR) - CCI-85675; Canadian Institutes of Health Research (CIHR) - NMD-83124; Natural Sciences and Engineering Research Council of Canada (NSERC) - RGPIN341205-07</p>

2007-06-01	Liu JL , Cui W, "Which gene, Reg2 or Reg3beta, was targeted that affected liver regeneration?", Hepatology (Baltimore, Md.), 45(6) PubMed ID: 17538937
2007-01-01	Liu JL, "Does IGF-I stimulate pancreatic islet cell growth?", Cell biochemistry and biophysics, 48(2-3) PubMed ID: 17709881 Funding Sources: Canadian Institutes of Health Research (CIHR) - NMD-83124; Canadian Institutes of Health Research (CIHR) - MOP-53206; Juvenile Diabetes Research Foundation International - 2-2000-507; Shanghai Education Committee (China) - N/A
2006-09-01	Robertson K , Kopchick JJ , Liu JL, "Growth hormone receptor gene deficiency causes delayed insulin responsiveness in skeletal muscles without affecting compensatory islet cell overgrowth in obese mice.", American journal of physiology. Endocrinology and metabolism, 291(3) PubMed ID: 16621895 Funding Sources: Juvenile Diabetes Research Foundation International - 2-2000-507; Shanghai Education Committee (China) - N/A
2006-07-01	Lu Y , Ponton A , Okamoto H , Takasawa S , Herrera PL , Liu JL, "Activation of the Reg family genes by pancreatic-specific IGF-I gene deficiency and after streptozotocin-induced diabetes in mouse pancreas.", American journal of physiology. Endocrinology and metabolism, 291(1) PubMed ID: 16449294 Funding Sources: Juvenile Diabetes Research Foundation International - 2-2000-507; Shanghai Education Committee (China) - N/A

Journal Articles

2014/1 In Press Last Author	S Chowdhury, X Wang, CB Srikant, M Fu, Q Li, YJ Gong, G Ning, JL Liu, "IGF-I overexpression stimulates CCN5/WISP2 expression in pancreatic β -cells, which promotes cell proliferation and survival against streptozotocin", Endocrinology Refereed?: Yes Number of Contributors: 8 Funding Sources: Canadian Diabetes Association - OG-3-11-3469-JL; Natural Sciences and Engineering Research Council of Canada (NSERC) - 341205-07
-----------------------------------	--

Book Chapters

2014/8 In Press Co-Author	"The contribution of Reg family proteins to cell growth and survival in pancreatic islets", The Islets of Langerhans, Springer Reference Refereed?: Yes Authors: Q Li, X Xiong, JL Liu
---------------------------------	--

Conference Publications

2013/6 Accepted Co-Author	L Liu, JL Liu, CB Srikant, "Reg2 attenuates ER-stress-induced unfolded protein response by up-regulating GRP78 in mouse insulinoma cells" Abstract The Endocrine Society's 95th annual meeting and Expo Invited?: No
---------------------------------	---

2013/6 Accepted Last Author	S Chowdhury, X Wang, B Li, CB Srikant, JL Liu, "IGF-I overexpression stimulates CCN5/WISP2 expression in pancreatic β -cells, which promotes cell proliferation and survival against streptozotocin" Abstract The Endocrine Society's 95th annual meeting and Expo Invited?: No
2012/6 Published Last Author	C Luo, B Li, M Wang, JL Liu, "Transcriptional activation of Reg2 and Reg3beta genes by glucocorticoids in rodent pancreatic acinar and insulinoma cells" Poster The Endocrine Society's 94th annual meeting and Expo Invited?: No