Protected when completed

Personal Information

Identification

Dr. John S D Chan
Correspondence language: English
Sex: Male
Date of Birth: 8/03
Canadian Residency Status: Canadian Citizen
Country of Citizenship: Canada

Language Skills

Language	Read	Write	Speak	Understand
English	Yes	Yes	Yes	Yes
French	Yes	Yes	Yes	Yes

Address

The primary address is denoted by (*)

Mailing (*)
Université de Montréal CRCHUM-Hôtel Dieu Hospital Pavillon Masson Porte 8-229 3850 rue Saint-Urbain Montréal H2W 1T8 Canada, Quebec

Telephone

The primary telephone is denoted by (*)

Fax	001-514-4127204
Laboratory	001-514-8908000 extension: 15596
Work (*)	001-514-8908000 extension: 15080

Email

The primary email is denoted by (*)

Work (*)	john.chan@umontreal.ca

Website

Corporate	www.chumtl.gouv.qc.ca

User Profile

Disciplines Trained In: Endocrinology, Molecular Biology

Research Disciplines: Nephrology, Physiology

Areas of Research: Cardiovascular System, Diabetes, Hormonal Regulation, Hypertension, Renal Diseases

Fields of Application: Biomedical Aspects of Human Health, Pathogenesis and Treatment of Diseases

Research Specialization Keywords: Diabetic nephropathy, Gene expression, Glucose signaling, Hypertension, Insulin signaling, Kidney, Molecular biology, Physiology, Renin-angiotensin system, Transgenic mice

Education

Degrees

1997/10 - 1998/4	Doctorate - Visiting Scientist - Fellow - Biochemistry and Molecular Biology - Merck-Frosst Canada Inc. - Completed Supervisors: Jilly Evans, Ph.D.
1987/1 - 1987/12	Doctorate - Visiting Assistant Professor - Fellow - Molecular Endocrinology - Harvard University - Completed Supervisors: Joel F. Habener, M.D.
1986/4 - 1986/12	Doctorate - Visiting Scientist - Fellow - Molecular Genetics - National Inst. of Neurological Disorders & Stroke - Completed Supervisors: Robert A. Lazzarini, Ph.D.
1981/9 - 1982/8	Post-doctorate - Research Fellow - Biochemistry/Molec. & Biochem. Neuroendocr. - Clinical Research Institute of Montreal - Completed Supervisors: Michel Chrétien, M.D.
1980/9 - 1981/8	Post-doctorate - Research Fellow - Biochemistry/Fetal pituitary hormones - Mount Sinai School of Medicine - Completed Supervisors: Dorothy T. Kriegger, M.D. (deceased)
1978/9 - 1980/8	Post-doctorate - Research Fellow - Biochemistry/Protein & Pituitary Hormones - Clinical Research Institute of Montreal - Completed Supervisors: Michel Chrétien, M.D.
1975/9 - 1979/5	Doctorate - Ph.D. - Physiology-Biochemistry - The University of Manitoba - Completed Supervisors: Henry G. Friesen, M.D.
1973/9 - 1975/5	Master's Thesis - M.Sc. - Masters - Physiology-Biochemistry - The University of Manitoba - Completed Supervisors: Henry G. Friesen, M.D.
1968/9 - 1972/5	Bachelor's - B.Sc. - Biology and Chemistry - Concordia University - Completed

Recognitions

2003/6 -	Best Abstract - Prize / Award 2003 World Congress of Nephrology, Berlin, Germany Amount: 750 (Euro)
1979/5 -	Edward L. Drewry Memorial Scholarship - Prize / Award The University of Manitoba Amount: 500 (Canadian dollar)
1975/5 -	Edward L. Drewry Memorial Scholarship - Prize / Award The University of Manitoba Amount: 500 (Canadian dollar)
1975/3 -	Student Award - Prize / Award Canadian Society of Clinical Investigation Amount: 100 (Canadian dollar)

Employment

Academic Work Experience

1998/6 -	Full Professor, Depart. of Medicine Université de Montréal - Médecine
1995/6 - 2011/5	Full Professor, Depart. of Physiology Université de Montréal - Physiologie
1989/6 - 1995/5	Associate Professor, Depart. of Physiology Université de Montréal - Physiologie
1983/6 - 1989/5	Assistant Professor, Depart. of Physiology Université de Montréal - Physiologie

Non-academic Work Experience

2000/9 -	Directeur de laboratoire de néphrologie et endocrinologie moléculaire - Centre hospitalier de l'université de Montréal
1988/1 - 2000/8	Directeur de Laboratoire de néphrologie et endocrinologie moléculaire - Hôpital Maisonneuve-Rosemont

Affiliations

The primary affiliation is denoted by (*)

2010/10 -	Full Professor - Pharmacologie - Université de Montréal
(*) 1998/6 -	Full Professor - Médecine - Université de Montréal

Research Funding History

Awarded

2012/10 - 2017/9 Principal Investigator	Reactive Oxygen Species, Bcl-2-Modifying Factor and Tubular Apoptosis in Diabetic Kidneys Principal Investigator : J Chan

	Funding Sources 2012/10 - 2017/9: Operating grant Canadian Institutes of Health Research (CIHR) Total Funding: 687324 (Canadian dollar) Funding Competitive?: Yes
2010/10 - 2015/9 Principal Investigator	Diabetes and the mechanism(s) of renal tubular apoptosis in db/db mouse kidneys Principal Investigator : John S. D. Chan **Funding Sources** 2010/10 - 2015/9: Operating grant Canadian Institutes of Health Research (CIHR) Total Funding: 606623 (Canadian dollar) Funding Competitive?: Yes
2012/7 - 2014/6 Principal Investigator	Role(s) of intrarenal angiotensin-converting enzyme-2 in hypertension and nephropathy development in diabetic mice Principal Investigator : Chan, John SD **Funding Sources** 2012/7 - 2014/6: Kidney Foundation of Canada (KFC) Total Funding: 100000 (Canadian dollar) Funding Competitive?: Yes

Completed

2007/7 - 2012/6 Principal Investigator	Reactive oxygen species, tubular apoptosis and atrophy in the diabetic kidney Principal Investigator : John S.D. Chan; Shao-Ling Zhang; Janos G. Filep **Funding Sources** 2007/7 - 2012/6: Operating grant Canadian Institutes of Health Research (CIHR) Total Funding: 596255 (Canadian dollar) Funding Competitive?: Yes
2009/4 - 2012/3 Principal Investigator	Hypertension and regulation of angiotensinogen gene expression in transgenic mice Principal Investigator : John S.D. Chan **Funding Sources** 2009/4 - 2012/3: Operating grant Canadian Institutes of Health Research (CIHR) Total Funding: 275707 (Canadian dollar) Funding Competitive?: Yes
2009/4 - 2012/3 Principal Investigator	Hypertension and regulation of angiotensinogen gene expression in transgenic mice Organsime **Funding Sources** 2009/7 - 2012/6: Fondation des maladies du coeur du Quebec Total Funding: 72000 (Canadian dollar) Funding Competitive?: Yes
2008/4 - 2011/3 Co-investigator	Maternal Diabetes, Reactive Oxygen Species, Nephrogenesis and Perinatal Programming Principal Investigator : Zhang, Shao-Ling;Shao-Ling Zhang; John S. D. Chan

	Funding Sources 2008/4 - 2011/3: Operating grant Canadian Institutes of Health Research (CIHR) Total Funding: 312108 (Canadian dollar) Funding Competitive?: Yes
2008/7 - 2010/6 Principal Investigator	Molecular Mechanism(s) of Intrarenal RAS Action on Tubular Apoptosis in Diabetic Kidneys Principal Investigator : John S. D. Chan; Janos G. Filep **Funding Sources** 2008/7 - 2010/6: Biomedical Research Operating Grant Kidney Foundation of Canada (KFC) Total Funding: 100000 (Canadian dollar) Funding Competitive?: Yes
2009/3 - 2010/2 Co-investigator	Research to Prevent and Treat Perinatal Programming of Chronic Kidney and Cardiovascular Diseases, and Diabetic Nephropathy Principal Investigator : Zhang, Shao-Ling;Shao-Ling Zhang, John S.D.Chan **Funding Sources** 2009/3 - 2010/2: Leader Opportunity Fund Canada Foundation for Innovation (CFI) Total Funding: 566019 (Canadian dollar) Funding Competitive?: Yes
2006/7 - 2009/12 Decision Maker	ROS and angiotensinogen gene expression in diabetic nephropathy : role of catalase Principal Applicant : Marie-Luise Brezniceau **Funding Sources** 2006/7 - 2009/12: KRESCENT/IRSC de la Fondation canadienne des maladies du rein Total Funding: 192500 (Canadian dollar) Funding Competitive?: Yes

Activities

Supervisory Activities

Student/Postdoctoral Supervision

Co-Supervisor	Shilin Li - Doctorate - Universite de montreal - In Progress Student Degree Start Date: 2011/9 Student Degree Expected Date: 2015/8 Project Description: Novel plant extracts in preventing diabetic nephropathy Present Position: Graduate Student Ph.D.
Principal Supervisor	Jian-Xin Zhu - Post-doctorate - Université Mcgill - Completed Student Degree Start Date: 2010/1 Student Degree Received Date: 2010/5 Project Description: Functional role of BMF in diabetic kidney. Present Position: N/A

Principal Supervisor	Nicolas Godin - Doctorate - University of Montreal - Completed Student Degree Start Date: 2007/1 Student Degree Received Date: 2010/9 Project Description: Indentification and characterization of gene expression profile on the development of diabetic nephropathy Present Position: Post-doctoral fellow in University of Montreal
Principal Supervisor	Shyh-Jong Wu - Post-doctorate - University, Kaohsing, Taiwas - Completed Student Degree Start Date: 2006/10 Student Degree Received Date: 2007/12 Project Description: Expression of Bcl-2 modifying factor (Bmf) in diabetic nephropathy. Present Position: Assitant Professor, Kaohsiung Medical University, Taiwan, China
Co-Supervisor	Yun-Wen Chen - Doctorate - University of Montreal - Completed Student Degree Start Date: 2006/9 Student Degree Received Date: 2010/5 Project Description: Maternal Diabetes Impairs Nephrogenesis and Perinatal Programming Present Position: Assistant professor, Department of pharmacology, National Cheng-Kung University, Taiwan, China
Principal Supervisor	Fang Liu - Doctorate - University of Montreal - Completed Student Degree Start Date: 2005/9 Student Degree Received Date: 2009/5 Project Description: Intrarenal renin-angiotensin system and kidney injury in diabetic transgenic mice Present Position: Post-doctoral Fellow in FDA-USA, Jefferson, AR
Principal Supervisor	Chih-Chang Wei - Doctorate - University of Montreal - Completed Student Degree Start Date: 2005/1 Student Degree Received Date: 2008/8 Project Description: Molecular cloning and characterization of IRE-BP's in rat angiotensinogen gene. Present Position: N/A
Principal Supervisor	Yanhua Zhu - Post-doctorate - University of Edinburg, Edinburg, UK - Completed Student Degree Start Date: 2004/5 Student Degree Received Date: 2006/6 Project Description: Role of osteopontin in diabetic nephropathy in transgenic mice Present Position: N/A
Principal Supervisor	Marie-Luise Brezniceanu - Post-doctorate - Université de Frankfurt, Germany - Completed Student Degree Start Date: 2003/9 Student Degree Received Date: 2008/12 Project Description: Role of antixoidant enzyme (catalase) in diabetic in transgenic mice. Present Position: Assistant professor University of Montreal

Principal Supervisor	Sébastien Sachetelli - Post-doctorate - University of Montreal - Completed Student Degree Start Date: 2002/9 Student Degree Received Date: 2005/8 Project Description: Role of renal angiotensinogen in the development of diabetic nephropathy in transgenic mice. Present Position: College Teacher, Montreal, QC
Principal Supervisor	Annick Desjardins - Master's Thesis - Université de Montreal - Completed Student Degree Start Date: 2002/9 Student Degree Received Date: 2005/8 Project Description: Role of ROS in insulin induction and resistance on the expresion of angiotensinogen gene and apoptosis in the rat proximal tubular cells. Present Position: Technician, CRCHUM
Principal Supervisor	Pierre Fustier - Master's Thesis - Université de Montreal - Completed Student Degree Start Date: 2002/1 Student Degree Received Date: 2004/11 Project Description: Effect of insulin on the angiotensinogene gene expression in the proximal tubular cells in diabetic and spontaneous hypertensive rat Present Position: Project director in pharmaceutical company, Geneva, Switzerland
Principal Supervisor	Annie Calvé - Master's Thesis - University of Montreal - Completed Student Degree Start Date: 2001/9 Student Degree Received Date: 2005/5 Project Description: Isolation and characterization of insulin response element (IRE) protein by proteonic methods. Present Position: Technician, CRCHUM
Principal Supervisor	Tusty-Jiuan Hsiech - Post-doctorate - Graduate Institute of Medicine, Kaohsiung Medical University - Completed Student Degree Start Date: 2000/9 Student Degree Received Date: 2004/8 Project Description: Molecular mechanism(s) of high glucose action on angiotensinogen gene expression in rat renal proximal tubular cells. Present Position: Associate Professor, Kaohsiung Medical University, Taiwan, China
Principal Supervisor	Shao-Ling Zhang - Doctorate - Universite de Montreal - Completed Student Degree Start Date: 1999/9 Student Degree Received Date: 2002/8 Project Description: Molecualr mechanisms of high glucose and insulin on the agiotensinogen gene expression in rat renal proximal tubular cells Present Position: Associate Professor, University of Montreal
Principal Supervisor	Xiao-Hua Wu - Master's Thesis - University of Montreal - Completed Student Degree Start Date: 1996/9 Student Degree Received Date: 1998/8 Project Description: Effect of high glucose and insulin on the expression of the human angiotensinogen gene in an opossum kidney proximal tubular cell line Present Position: N/A

Principal Supervisor	lisu Wang - Master's Thesis - University of Montreal - Completed Student Degree Start Date: 1994/9 Student Degree Received Date: 1997/5 Project Description: Catcholamine and dexamthasone on angiotensinogen gene expression in an immortalized rat proximal tubular cell line and in rat hepatoma cell. Present Position: N/A
Principal Supervisor	Tian-Tian Wang - Doctorate - University of Montreal - Completed Student Degree Start Date: 1994/9 Student Degree Received Date: 1998/5 Project Description: Molecular mechanisms of regulation of angiotensinogen gene expression in the kidney: effect of catecholamines in vitro Present Position: Research assistant, McGill University
Principal Supervisor	Xing Chen - Post-doctorate - University of Montreal - Completed Student Degree Start Date: 1994/7 Student Degree Received Date: 1997/7 Project Description: Molecular cloning of the cAMP-response element binding protein of the angiotensinogen gene Present Position: Retired, Melbourne, Australia
Principal Supervisor	Jing-Fan Qian - Post-doctorate - Université de Montreal - Completed Student Degree Start Date: 1993/1 Student Degree Received Date: 1995/5 Project Description: Characterization and molecular cloning the cAMP-response element binding protein (CREB) of the angiotensinogen gene expression Present Position: Dentist, Montreal, QC
Principal Supervisor	Jie Wu - Doctorate - Universite de Montreal - Completed Student Degree Start Date: 1991/5 Student Degree Received Date: 1999/12 Project Description: Cloning and characterization of a novel cAMP responsive element binding protei on rat angiotensinogen gene Present Position: N/A
Principal Supervisor	Ming Ming - Doctorate - University of Montreal - Completed Student Degree Start Date: 1991/5 Student Degree Received Date: 1999/9 Project Description: Hormonal regulation of angiotensinogen gene in opossum kidney proximal tubular cells and mouse hepatoma cells Present Position: N/A
Principal Supervisor	Jiang Qin - Master's Thesis - Université de Montreal - Completed Student Degree Start Date: 1989/9 Student Degree Received Date: 1995/11 Project Description: Multiple DNA elements and nuclear factors mediate hepatic regulation of the rat angiotensinongen gene transcription Present Position: N/A
Principal Supervisor	François Fock-Tave - Master's Thesis - universite de Montreal - Completed Student Degree Start Date: 1989/1 Student Degree Received Date: 1992/10 Project Description: Regulation of angiotensinogen gene in gonads Present Position: N/A

Principal Supervisor	Pierrette Labbé - Master's Thesis - Université de Montreal - Completed Student Degree Start Date: 1988/9 Student Degree Received Date: 1993/5 Project Description: Hormonal regulation of angiotensinogen gene expression in the proximal tubular cells Present Position: N/A
Principal Supervisor	Zeng-Rong Nie - Post-doctorate - Shanghai Medical College, Shanghai China - Completed Student Degree Start Date: 1984/11 Student Degree Received Date: 1986/6 Project Description: Development of monoclonal antibodies aganist placental lactogen hormone Present Position: Retired full professor, China
Co-Supervisor	Jyr-Yeng Deng - Post-doctorate - Peking Union Med. College, Beijing, China - Completed Student Degree Start Date: 1984/10 Student Degree Received Date: 1986/12 Project Description: Physiological studies of 7B2 in vitro Present Position: Retired full professor, China
Co-Supervisor	Haruo Iguchi - Post-doctorate - National Kushi Cancer Center, Japan - Completed Student Degree Start Date: 1983/7 Student Degree Received Date: 1985/9 Project Description: Development of radiommunossay for a novel peptide 7B2. Present Position: N/A
Co-Supervisor	Laslo Gaspar - Post-doctorate - Szedge University, hungary - Completed Student Degree Start Date: 1982/9 Student Degree Received Date: 1984/9 Project Description: Characterization of N-terminal fragment of POMC in human biological fluids Niveau. Present Position: N/A
Principal Supervisor	Hasna Maachi - Doctorate - University of Montreal - In Progress Student Degree Start Date: 2013/5 Student Degree Expected Date: 2016/5 Project Description: Molecular Mechanism(s) of Regulation of Bmf Expression and its Role in Diabetic Kidneys Present Position: Graduate Student (Ph.D.)
Co-Supervisor	Xinping Zhao - Doctorate - University of Montreal - In Progress Student Degree Start Date: 2012/9 Student Degree Expected Date: 2015/9 Project Description: Maternal Diabetes Modulate Nephrogenesis in Progeny: Role(s) of Hedgehog Interacting Protein (Hhip) Gene Present Position: Graduate Student (Ph.D)
Co-Supervisor	Yessoufou Aliou - Doctorate - University of Montreal - In Progress Student Degree Start Date: 2012/5 Student Degree Expected Date: 2015/5 Project Description: Maternal Diabetes-Induced Perinatal Programming: Hyperglycemia Memory in vivo and in vitro Present Position: Graduate Student (Ph.D.)

Principal Supervisor	Anastasia Shamsuyarova - Master's Thesis - University of Montreal - In Progress Student Degree Start Date: 2011/5 Student Degree Expected Date: 2014/5 Project Description: Molecular Mechanism(s) of Aminoglycoside Action on Tubular Apoptosis in Diabetic Kidneys Present Position: Graduate Student (M.Sc)
Principal Supervisor	Shaaban Aldo - Doctorate - University of Montreal - In Progress Student Degree Start Date: 2011/1 Student Degree Expected Date: 2014/5 Project Description: Hypertension and Molecular Regulation of Angiotensinogen Gene Expression by Heterogenous Nuclear Ribonucleoprotein K in the Kidney Present Position: Graduate Student (Ph.D.)
Principal Supervisor	Yixuan Shi - Doctorate - University of Montreal - In Progress Student Degree Start Date: 2010/9 Student Degree Expected Date: 2013/12 Project Description: Hypertension and ACE2 gene expression in diabetic transgenic mice Present Position: Graduate Student (Ph.D)
Principal Supervisor	Chao-Sheng Lo - Post-doctorate - Kaohsuing Medical University - In Progress Student Degree Start Date: 2010/1 Student Degree Expected Date: 2014/12 Project Description: Functional role of hnRNP F in diabetic nephropathy Present Position: Post-doctoral Fellow
Co-Supervisor	Shiaoying Chang - Doctorate - University of Montreal - In Progress Student Degree Start Date: 2012/1 Student Degree Expected Date: 2015/1 Project Description: Maternal Diabetes and Perinatal Programming of Hypertension: Role(s) of Angiotensin Converting Enzyme-2 Present Position: Graduate Student (Ph.D.)
Co-Supervisor	Stella Le Minh Tran - Master's Thesis - University of Montreal - Completed Student Degree Start Date: 2006/8 Student Degree Received Date: 2008/8 Project Description: Dissecting the fondamental role of hyperglycemia on renal morphogenesis ex vivo Present Position: Graduate Student (Ph.D.) in McGill University, Montreal

Community and Volunteer Activities

2013/3 - Evaluateur interne invité	Operating Grant Application (China-Canada Joint Health Research Initiative-Grant Program E), CIHR
2012/6 - Examinateur externe	Université de Toronto
2012/3 - Evaluateur interne	Operating Grant Application de la Fondation canadienne du rein
2011/12 - Membre du jury	Hopital Notre Dame CRCHUM

2011/4 - Réprésentant du doyen	Université de Montréal
2010/12 - Membre du jury	Hopital Notre Dame CRCHUM
2010/2 - Président-rapporteur du jury du mémoire de maîtrise	Université de Montréal
2009/12 - Membre du jury	Hopital Notre Dame CRCHUM
2009/1 - Président-rapporteur du jury du mémoire de maîtrise	Université de Montréal
2008/12 - Représentant du doyen	Université de Montréal
2008/10 - Abstract reviewer	Society of Nephrology
2008/9 - Reviewer	Canadian Cardiovascular
2008/7 - Membre du jury	Université de Montréal
2008/5 - Chair of oral presentation	Canadian Society of Nephrology
2008/4 - Membre du jury	Université de Montréal
2008/1 - Examinateur externe	Université McGill
2007/12 - Membre du Jury	Hopital Notre Dame CRCHUM
2013/1 - 2015/1 Evaluateur interne	American Society of Nephrology (USA) Grant Application Activity Description: Evaluator
2013/10 - 2013/8 Co-Chair of Oral presentations	Canadian Hypertension Congress Activity Description: Co-Chair, Oral Communication session-Biomedical #1, 14::00-15:30PM
2013/8 - 2013/8 Co-Chair of Oral Presentations	4th World Congress on Diabetes & Metabolism-Chicago, USA Activity Description: Co-Chair, Oral Communication session-Track 3: Diabetes and its Complications, 9:00AM-5:40PM

2013/5 - 2013/5 Président-rapporteur du jury du mémoire de maîtrise	Université de Montréal Activity Description: Président-rapporteur du jury du mémoire de maîtrise
2013/5 - 2013/5 External appraiser	University of Toronto Activity Description: External appraiser of Mémoire
2012/12 - 2012/12 Mémbre du jury	Université de Montréal Activity Description: Examen général de doctorat

Contributions

Presentations

2013-11-07	"Reactive oxygen species promote tubular apoptosis in diabetic nephropathy", Annual meeting of American Society of Nephrology, Atlanta, GA, USA. Nov. 5-10, 2013., United States, Georgia, Atlanta Main Audience: Researcher Invited?: Yes
2013-08-15	"Oxidative stress and tubular apoptosis in diabetic nephropathy", 4th World Congress on Diabetes & Metabolism, Chicago-Northshore, IL, USA, Aug. 14-16, 2013., United States, Illinois, Chicago Main Audience: Researcher Invited?: Yes
2012-12-21	"Novel genes mediating oxidative stress in nephropathy development in diabetes", Depart of endocrinology and medicine, Taiwan, Province of China, kaohsiung Main Audience: Knowledge User Invited?: Yes
2011-03-18	"Intrarenal RAS and ROS in the development of hypertension and nephropathy in diabetes", Jewish General Hospital, Lady Davis Institute for Medical Research, Montreal, Quebec, Canada, Canada, Quebec, Montreal Main Audience: Knowledge User
2010-05-28	"An overview of diabetes and the kidneys", Opening session-2010 Annual meeting of Canadian Society of Nephrology, Montreal, QC, Canada, Canada, Quebec, Montreal Main Audience: Decision Maker
2009-10-09	"Oxidative stress in hypertension and nephropathy development in diabetes", Ground Round, Dept. of Medicine, University of Edmonton, AB, Canada, Canada, Alberta, Edmonton Main Audience: Researcher
2009-10-08	"The role(s) of intrarenal RAS in hypertension development and kidney injury in transgenic mouse models'", Division of Nephrology, Dept of Medicine, University of Edmonton, Edmonton, AB, Canada., Canada, Alberta, Edmonton Main Audience: Knowledge User

2009-03-30	"Oxidative stress in hypertension and nephropathy development in diabetes", Graduate Student Mini-Symposium, Dept. of medical Genetics, Kaohsiung Medical University, Kaohsiung, Taiwan., Taiwan, Province of China, Kaohsiung Main Audience: Knowledge User Invited?: Yes
2009-03-21	"Oxidative stress in hypertension and nephropathy development in diabetes", Plenary lecture- 2009 Annual meeting of Taiwan Endocrinology/Diabetes Association, Taiwan, Province of China, Taipei, Taiwan. Main Audience: Knowledge User Invited?: Yes
2009-03-19	"Application of renal specific tissue specific transgenic mice in studying diabetic nephropathy", Dept. of medical Genetics, Kaohsiung Medical University, kaosiung, Taiwan, Taiwan, Province of China, Kaohsiung Main Audience: Knowledge User Invited?: Yes

Publications

PubMed Articles

2013-06-01	Shi Y , Lo CS , Chenier I , Maachi H , Filep JG , Ingelfinger JR , Zhang SL , Chan JS, "Overexpression of catalase prevents hypertension and tubulointerstitial fibrosis and normalization of renal angiotensin-converting enzyme-2 expression in Akita mice.", American journal of physiology. Renal physiology, 304(11) Open Access?: Yes PubMed ID: PMID: 23552863
2013-04-23	Abdo S , Lo CS , Chenier I , Shamsuyarova A , Filep JG , Ingelfinger JR , Zhang SL , Chan JS, "Heterogeneous nuclear ribonucleoproteins F and K mediate insulin inhibition of renal angiotensinogen gene expression and prevention of hypertension and kidney injury in diabetic mice.", Diabetologia PubMed ID: PMID: 23609310
2013-04-03	Shi Y , Lo CS , Chenier I , Maachi H , Filep JG , Ingelfinger JR , Zhang SL , Chan JS, "Overexpression of Catalase Prevents Hypertension and Tubulo-Fibrosis and Normalization of Renal Angiotensin-Converting Enzyme-2 Expression in Akita Mice.", American journal of physiology. Renal physiology PubMed ID: PMID: 23552863
2012-10-01	Lo CS , Chang SY , Chenier I , Filep JG , Ingelfinger JR , Zhang SL , Chan JS, "Heterogeneous nuclear ribonucleoprotein f suppresses angiotensinogen gene expression and attenuates hypertension and kidney injury in diabetic mice.", Diabetes, 61(10) PubMed ID: PMID: 22664958
2012-04-01	Lo CS , Liu F , Shi Y , Maachi H , Chenier I , Godin N , Filep JG , Ingelfinger JR , Zhang SL , Chan JS, "Dual RAS blockade normalizes angiotensin-converting enzyme-2 expression and prevents hypertension and tubular apoptosis in Akita angiotensinogen-transgenic mice.", American journal of physiology. Renal physiology, 302(7) PubMed ID: PMID: 22205225

2012-02-01	Lau GJ , Godin N , Maachi H , Lo CS , Wu SJ , Zhu JX , Brezniceanu ML , Chénier I , Fragasso-Marquis J , Lattouf JB , Ethier J , Filep JG , Ingelfinger JR , Nair V , Kretzler M , Cohen CD , Zhang SL , Chan JS, "Bcl-2-modifying factor induces renal proximal tubular cell apoptosis in diabetic mice.", Diabetes, 61(2) PubMed ID: PMID: 22210314
2010-06-01	Godin N , Liu F , Lau GJ , Brezniceanu ML , Chénier I , Filep JG , Ingelfinger JR , Zhang SL , Chan JS, "Catalase overexpression prevents hypertension and tubular apoptosis in angiotensinogen transgenic mice.", Kidney international, 77(12) PubMed ID: PMID: 20237455
2010-06-01	Brezniceanu ML , Lau CJ , Godin N , Chénier I , Duclos A , Ethier J , Filep JG , Ingelfinger JR , Zhang SL , Chan JS, "Reactive oxygen species promote caspase-12 expression and tubular apoptosis in diabetic nephropathy.", Journal of the American Society of Nephrology : JASN, 21(6) PubMed ID: PMID: 20299359
2009-01-01	Liu F , Wei CC , Wu SJ , Chenier I , Zhang SL , Filep JG , Ingelfinger JR , Chan JS, "Apocynin attenuates tubular apoptosis and tubulointerstitial fibrosis in transgenic mice independent of hypertension.", Kidney international, 75(2) PubMed ID: PMID: 18923387
2008-10-01	Chen YW , Tran S , Chenier I , Chan JS , Ingelfinger JR , Inagami T , Zhang SL, "Deficiency of intrarenal angiotensin II type 2 receptor impairs paired homeo box-2 and N-myc expression during nephrogenesis.", Pediatric nephrology (Berlin, Germany), 23(10) PubMed ID: PMID: 18607644
2008-05-01	Tran S , Chen YW , Chenier I , Chan JS , Quaggin S , Hébert MJ , Ingelfinger JR , Zhang SL, "Maternal diabetes modulates renal morphogenesis in offspring.", Journal of the American Society of Nephrology : JASN, 19(5) PubMed ID: PMID: 18305124
2008-02-01	Brezniceanu ML , Liu F , Wei CC , Chénier I , Godin N , Zhang SL , Filep JG , Ingelfinger JR , Chan JS, "Attenuation of interstitial fibrosis and tubular apoptosis in db/db transgenic mice overexpressing catalase in renal proximal tubular cells.", Diabetes, 57(2) PubMed ID: PMID: 17977949
2008-02-01	Liu F , Brezniceanu ML , Wei CC , Chénier I , Sachetelli S , Zhang SL , Filep JG , Ingelfinger JR , Chan JS, "Overexpression of angiotensinogen increases tubular apoptosis in diabetes.", Journal of the American Society of Nephrology : JASN, 19(2) PubMed ID: PMID: 18057217
2007-05-01	Brezniceanu ML , Liu F , Wei CC , Tran S , Sachetelli S , Zhang SL , Guo DF , Filep JG , Ingelfinger JR , Chan JS, "Catalase overexpression attenuates angiotensinogen expression and apoptosis in diabetic mice.", Kidney international, 71(9) PubMed ID: PMID: 17342175
2006-09-01	Wei CC , Zhang SL , Chen YW , Guo DF , Ingelfinger JR , Bomsztyk K , Chan JS, "Heterogeneous nuclear ribonucleoprotein K modulates angiotensinogen gene expression in kidney cells.", The Journal of biological chemistry, 281(35) PubMed ID: PMID: 16837467

2006-06-01	Brezniceanu ML , Wei CC , Zhang SL , Hsieh TJ , Guo DF , Hébert MJ , Ingelfinger JR , Filep JG , Chan JS, "Transforming growth factor-beta 1 stimulates angiotensinogen gene expression in kidney proximal tubular cells.", Kidney international, 69(11) PubMed ID: PMID: 16598193
2006-03-01	Sachetelli S , Liu Q , Zhang SL , Liu F , Hsieh TJ , Brezniceanu ML , Guo DF , Filep JG , Ingelfinger JR , Sigmund CD , Hamet P , Chan JS, "RAS blockade decreases blood pressure and proteinuria in transgenic mice overexpressing rat angiotensinogen gene in the kidney.", Kidney international, 69(6) PubMed ID: PMID: 16528251
2006-03-01	Hsieh TJ , Chen R , Zhang SL , Liu F , Brezniceanu ML , Whiteside CI , Fantus IG , Ingelfinger JR , Hamet P , Chan JS, "Upregulation of osteopontin gene expression in diabetic rat proximal tubular cells revealed by microarray profiling.", Kidney international, 69(6) PubMed ID: PMID: 16528250
2005-03-01	Wei CC , Guo DF , Zhang SL , Ingelfinger JR , Chan JS, "Heterogenous nuclear ribonucleoprotein F modulates angiotensinogen gene expression in rat kidney proximal tubular cells.", Journal of the American Society of Nephrology : JASN, 16(3) PubMed ID: PMID: 15659559
2004-12-01	Hsieh TJ , Fustier P , Wei CC , Zhang SL , Filep JG , Tang SS , Ingelfinger JR , Fantus IG , Hamet P , Chan JS, "Reactive oxygen species blockade and action of insulin on expression of angiotensinogen gene in proximal tubular cells.", The Journal of endocrinology, 183(3) PubMed ID: PMID: 15590980
2003-10-01	Hsieh TJ , Fustier P , Zhang SL , Filep JG , Tang SS , Ingelfinger JR , Fantus IG , Hamet P , Chan JS, "High glucose stimulates angiotensinogen gene expression and cell hypertrophy via activation of the hexosamine biosynthesis pathway in rat kidney proximal tubular cells.", Endocrinology, 144(10) PubMed ID: PMID: 12960040
2002-12-01	Zhang SL , Chen X , Wei CC , Filep JG , Tang SS , Ingelfinger JR , Chan JS, "Insulin inhibits dexamethasone effect on angiotensinogen gene expression and induction of hypertrophy in rat kidney proximal tubular cells in high glucose.", Endocrinology, 143(12) PubMed ID: PMID: 12446590
2002-08-01	Hsieh TJ , Zhang SL , Filep JG , Tang SS , Ingelfinger JR , Chan JS, "High glucose stimulates angiotensinogen gene expression via reactive oxygen species generation in rat kidney proximal tubular cells.", Endocrinology, 143(8) PubMed ID: PMID: 12130563
2002-02-01	S-L Zhang , Chen X , Hsieh TJ , Leclerc M , Henley N , Allidina A , Hallé JP , Brunette MG , Filep JG , Tang SS , Ingelfinger JR , Chan JS, "Hyperglycemia induces insulin resistance on angiotensinogen gene expression in diabetic rat kidney proximal tubular cells.", The Journal of endocrinology, 172(2) PubMed ID: PMID: 11834451

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2013/11 Accepted Last Author	Chao-Sheng Lo*, Hsiao-Ying Chang, Yixuan Shi, Isabelle Chenier, Janos G. Filep, Julie R Ingelfinger , Shao-Ling Zhang and John S D Chan, "Overexpression of Heterogeneous Nuclear Ribonucleoprotein F Attenuates Systemic Hypertension and Normalizes Angiotensin-Converting Enzyme 2 Expression via Down-regulation of TGF-beta 1/TGF-# Receptor II Signaling in Diabetic Akita Transgenic Mice." Abstract The 46th Annual Meeting of the Am Soc of Nephrol, Atlanta, GA, USA, Nov. 5-Nov.10, 2013. Invited?: No
2013/11 Accepted Last Author	Yixuan Shi*, Chao-Sheng Lo, Isabelle Chenier, Janos G Filep, Julie R Ingelfinger, Shao-Ling Zhang and John SD Chan, "Angiotensin 1-7 Prevents Systemic Hypertension and Ameliorates Kidney Injury via Inhibition of Oxidative Stress in Diabetic Akita Mouse Kidneys." Abstract The 46th Annual Meeting of the Am Soc of Nephrol, Atlanta, GA, USA, Nov. 5-Nov.10, 2013. Invited?: No

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