



Personal Information

Identification

Title Family Name First Name Date of Birth Sex Correspondence language
 Canadian Residency Status

Country of Citizenship

	Country of Citizenship
1	CANADA

Language Skills

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

Address

The primary Address is denoted by (*)

1	Address Type <input type="text" value="Courier"/> Polypeptide Laboratory McGill University Strathcona Building 3640 University St, W315 Montréal Quebec H3A 2B2
*2	Address Type <input type="text" value="Primary Affiliation"/> Polypeptide Laboratory McGill University Strathcona Building 3640 University St, W315 Montréal Quebec H3A 2B2

Telephone

The primary Telephone is denoted by (*)

	Phone Type	Area Code	Telephone Number
1	Fax	514	398-3923
2	Laboratory	514	398-1858
*3	Work	514	398-5844

Email

The primary Email is denoted by (*)

	Email Type	Email Address
*1	Work	louise.larose@mcgill.ca

Website

	Website Type	URL
1	Personal	http://personnel.cusm.ca/louise.larose/http://www.medicine.mcgill.ca/ppl/larose.htm

User Profile

Disciplines Trained In

	Order	Discipline Trained In
1	1	Cell Biology
2	2	Physiology

Research Disciplines

	Order	Research Discipline
1	1	Cell Biology
2	2	Physiology

Areas of Research

	Order	Area of Research
1	1	Diabetes
2	2	Hormonal Regulation
3	3	Obesity
4	4	Cell Signaling and Cancer
5	5	Carcinogenesis

Fields of Application

	Order	Field of Application
1	1	Biomedical Aspects of Human Health
2	2	Pathogenesis and Treatment of Diseases

Research Specialization Keywords

	Research Specialization Keywords
1	Adaptor proteins
2	Cell Biology
3	Cell Signaling
4	Diabetes
5	Membrane receptors
6	Pancreatic beta cells
7	Protein Interactions
8	Protein Kinases
9	Stress Responses
10	Unfolded Protein Response

Education

Degrees

1	Degree Type <input type="text" value="Certificate"/> Degree Name <input type="text" value="Certificate in Translation"/> Specialization <input type="text" value="English to French Translation"/> Organization <input type="text" value="McGill University"/> Degree Status <input type="text" value="Completed"/> Degree Start Date <input type="text" value="2006/9"/> Degree Received Date <input type="text" value="2010/5"/>
2	Degree Type <input type="text" value="Post-doctorate"/> Degree Name <input type="text" value="Postdoctoral training"/> Specialization <input type="text" value="Cellular Signaling"/> Organization <input type="text" value="Mount Sinai Research Institute"/> Degree Status <input type="text" value="Completed"/> Degree Start Date <input type="text" value="1992/1"/> Degree Received Date <input type="text" value="1995/1"/> Supervisors

	<table border="1"> <tr> <th>Supervisor Name</th> </tr> <tr> <td>1 Dr. Tony Pawson</td> </tr> </table>	Supervisor Name	1 Dr. Tony Pawson
Supervisor Name			
1 Dr. Tony Pawson			
3	Degree Type <input type="text" value="Doctorate"/> Degree Name <input type="text" value="Ph.D."/> Specialization <input type="text" value="Pharmacology"/> Organization <input type="text" value="Université de Montréal"/> Degree Status <input type="text" value="Completed"/> Degree Start Date <input type="text" value="1988/1"/> Degree Received Date <input type="text" value="1992/7"/> Supervisors <table border="1"> <tr> <th>Supervisor Name</th> </tr> <tr> <td>1 Dr. Andre De Lean</td> </tr> </table>	Supervisor Name	1 Dr. Andre De Lean
Supervisor Name			
1 Dr. Andre De Lean			
4	Degree Type <input type="text" value="Habilitation"/> Degree Name <input type="text" value="Training - Fellow"/> Specialization <input type="text" value="Biochemistry"/> Organization <input type="text" value="Université de Paris XI (Paris-Sud)"/> Degree Status <input type="text" value="Completed"/> Degree Start Date <input type="text" value="1987/1"/> Degree Received Date <input type="text" value="1987/3"/> Supervisors <table border="1"> <tr> <th>Supervisor Name</th> </tr> <tr> <td>1 Dr. B. Rossignol</td> </tr> </table>	Supervisor Name	1 Dr. B. Rossignol
Supervisor Name			
1 Dr. B. Rossignol			
5	Degree Type <input type="text" value="Habilitation"/> Degree Name <input type="text" value="Collaboration - Fellow"/> Specialization <input type="text" value="Physiology/Biochemistry"/> Other Organization <input type="text" value="University of San Francisco"/> Degree Status <input type="text" value="Completed"/> Degree Start Date <input type="text" value="1985/3"/> Degree Received Date <input type="text" value="1985/9"/> Supervisors <table border="1"> <tr> <th>Supervisor Name</th> </tr> <tr> <td>1 Drs.J.William & C.Logdson</td> </tr> </table>	Supervisor Name	1 Drs.J.William & C.Logdson
Supervisor Name			
1 Drs.J.William & C.Logdson			
6	Degree Type <input type="text" value="Habilitation"/> Degree Name <input type="text" value="Training - Fellow"/> Specialization <input type="text" value="Biochemistry"/> Other Organization <input type="text" value="University of Arizona"/> Degree Status <input type="text" value="Completed"/> Degree Start Date <input type="text" value="1984/5"/> Degree Received Date <input type="text" value="1984/6"/> Supervisors <table border="1"> <tr> <th>Supervisor Name</th> </tr> <tr> <td>1 Dr. M. Korc</td> </tr> </table>	Supervisor Name	1 Dr. M. Korc
Supervisor Name			
1 Dr. M. Korc			
7	Degree Type <input type="text" value="Habilitation"/> Degree Name <input type="text" value="Training - Fellow"/> Specialization <input type="text" value="Biochemistry"/> Other Organization <input type="text" value="NIH, Bethesda"/> Degree Status <input type="text" value="Completed"/> Degree Start Date <input type="text" value="1978/5"/> Degree Received Date <input type="text" value="1978/6"/> Supervisors <table border="1"> <tr> <th>Supervisor Name</th> </tr> <tr> <td>1 Dr. G. Gardner</td> </tr> </table>	Supervisor Name	1 Dr. G. Gardner
Supervisor Name			
1 Dr. G. Gardner			
8	Degree Type <input type="text" value="Habilitation"/> Degree Name <input type="text" value="Research Assistant - Fellow"/> Specialization <input type="text" value="Gastroenterology"/> Other Organization <input type="text" value="Centre Hospitalier de Sherbrooke"/> Degree Status <input type="text" value="Completed"/> Degree Start Date <input type="text" value="1976/6"/> Degree Received Date <input type="text" value="1978/5"/> Supervisors <table border="1"> <tr> <th>Supervisor Name</th> </tr> <tr> <td>1 Dr. Henri Navert</td> </tr> </table>	Supervisor Name	1 Dr. Henri Navert
Supervisor Name			
1 Dr. Henri Navert			
9	Degree Type <input type="text" value="Master's Thesis"/> Degree Name <input type="text" value="Master of Science - Masters"/> Specialization <input type="text" value="Physiology-Biochemistry"/> Organization <input type="text" value="Université de Sherbrooke"/> Degree Status <input type="text" value="Completed"/> Degree Start Date <input type="text" value="1974/9"/> Degree Received Date <input type="text" value="1976/5"/> Supervisors <table border="1"> <tr> <th>Supervisor Name</th> </tr> <tr> <td>1 Dr. J. Morisset</td> </tr> </table>	Supervisor Name	1 Dr. J. Morisset
Supervisor Name			
1 Dr. J. Morisset			
10	Degree Type <input type="text" value="Habilitation"/> Degree Name <input type="text" value="Training - Fellow"/> Specialization <input type="text" value="INSERM 16, Biochemistry"/>		

	Other Organization <input type="text" value="Ste-Marguerite Hospital ,Marseille"/> Degree Status <input type="text" value="Completed"/> Degree Start Date <input type="text" value="1975/2"/> Degree Received Date <input type="text" value="1975/5"/>				
	Supervisors				
	<table border="1"> <thead> <tr> <th></th> <th>Supervisor Name</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Drs. H.Sarles & C. Figarella</td> </tr> </tbody> </table>		Supervisor Name	1	Drs. H.Sarles & C. Figarella
	Supervisor Name				
1	Drs. H.Sarles & C. Figarella				
11	Degree Type <input type="text" value="Habilitation"/> Degree Name <input type="text" value="Training - Fellow"/> Specialization <input type="text" value="Gastroenterology"/>				
	Other Organization <input type="text" value="Centre Hospitalier de Sherbrooke"/> Degree Status <input type="text" value="Completed"/> Degree Start Date <input type="text" value="1974/4"/> Degree Received Date <input type="text" value="1975/5"/>				
	Supervisors				
	<table border="1"> <thead> <tr> <th></th> <th>Supervisor Name</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Dr. G. Devroede</td> </tr> </tbody> </table>		Supervisor Name	1	Dr. G. Devroede
	Supervisor Name				
1	Dr. G. Devroede				
12	Degree Type <input type="text" value="Bachelor's"/> Degree Name <input type="text" value="Bachelor of Science"/> Specialization <input type="text" value="Biology"/> Organization <input type="text" value="Université de Sherbrooke"/>				
	Degree Status <input type="text" value="Completed"/> Degree Start Date <input type="text" value="1971/9"/> Degree Received Date <input type="text" value="1974/5"/>				

Credentials

1	Title <input type="text" value="Certificate in Translation"/> Organization <input type="text" value="McGill University"/> Effective Date <input type="text" value="2010/5"/>						
	Research Disciplines						
	<table border="1"> <thead> <tr> <th></th> <th>Order</th> <th>Research Discipline</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1</td> <td>Arts Education</td> </tr> </tbody> </table>		Order	Research Discipline	1	1	Arts Education
	Order	Research Discipline					
1	1	Arts Education					
2	Title <input type="text" value="Ph.D."/> Organization <input type="text" value="Université de Montréal"/> Effective Date <input type="text" value="1992/6"/>						
	Research Disciplines						
	<table border="1"> <thead> <tr> <th></th> <th>Order</th> <th>Research Discipline</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2</td> <td>Pharmacology</td> </tr> </tbody> </table>		Order	Research Discipline	1	2	Pharmacology
	Order	Research Discipline					
1	2	Pharmacology					
3	Title <input type="text" value="M.Sc."/> Organization <input type="text" value="Université de Sherbrooke"/> Effective Date <input type="text" value="1976/7"/>						
	Research Disciplines						
	<table border="1"> <thead> <tr> <th></th> <th>Order</th> <th>Research Discipline</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>3</td> <td>Physiology</td> </tr> </tbody> </table>		Order	Research Discipline	1	3	Physiology
	Order	Research Discipline					
1	3	Physiology					
4	Title <input type="text" value="B.Sc."/> Organization <input type="text" value="Université de Sherbrooke"/> Effective Date <input type="text" value="1974/5"/>						
	Research Disciplines						
	<table border="1"> <thead> <tr> <th></th> <th>Order</th> <th>Research Discipline</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>4</td> <td>Physiology</td> </tr> </tbody> </table>		Order	Research Discipline	1	4	Physiology
	Order	Research Discipline					
1	4	Physiology					

Recognitions

1	Recognition Type <input type="text" value="Prize / Award"/> Recognition Name <input type="text" value="FRSQ, Chercheur National"/> Other Organization <input type="text" value="Fonds de la recherche en santé du Québec"/>
	Effective Date <input type="text" value="2007/7"/> End Date <input type="text" value="2011/6"/> Currency <input type="text" value="Canadian dollar"/>
2	Recognition Type <input type="text" value="Prize / Award"/> Recognition Name <input type="text" value="FRSQ, Chercheur Boursier Senior"/>
	Other Organization <input type="text" value="Fonds de la recherche en santé du Québec"/> Effective Date <input type="text" value="2004/7"/> End Date <input type="text" value="2007/8"/> Currency <input type="text" value="Canadian dollar"/>
3	Recognition Type <input type="text" value="Prize / Award"/> Recognition Name <input type="text" value="McGill University, Faculty of Medicine"/>
	Other Organization <input type="text" value="McGill University, Faculty of Medicine"/> Effective Date <input type="text" value="2004/6"/> End Date <input type="text" value="2005/5"/> Currency <input type="text" value="Canadian dollar"/>
4	Recognition Type <input type="text" value="Prize / Award"/> Recognition Name <input type="text" value="FRSQ, Chercheur Bouriser Junior 2"/>

	Other Organization	Fonds de la recherche en santé du Québec	Effective Date	2001/7	End Date	2003/6	Currency	Canadian dollar						
5	Recognition Type	Prize / Award	Recognition Name	Canadian Diabetes Association Scholarship			Other Organization	Canada Diabetes Association	Effective Date	1996/9	End Date	2001/8	Currency	Canadian dollar
6	Recognition Type	Prize / Award	Recognition Name	FRSQ, Chercheur Boursier Junior 1			Other Organization	Fonds de la recherche en santé du Québec, FRSQ	Effective Date	1996/7	End Date	1999/6	Currency	Canadian dollar
7	Recognition Type	Prize / Award	Recognition Name	Société de recherche sur le cancer inc. et MRC			Other Organization	Société de recherche sur le cancer et le Conseil de recherche médicale	Effective Date	1996/4	End Date	2001/3	Currency	Canadian dollar
8	Recognition Type	Prize / Award	Recognition Name	Fraser, Monat and McPherson Foundation Scholarship			Other Organization	Monat, Frase and McPherson Foundation	Effective Date	1995/9	End Date	1998/12	Currency	Canadian dollar
9	Recognition Type	Prize / Award	Recognition Name	Royal Victoria Hospital Scholarship	Other Organization	Royal Victoria Hospital		Effective Date	1995/1	End Date	1995/12	Currency	Canadian dollar	
10	Recognition Type	Prize / Award	Recognition Name	FRSQ, Graduate Student Fellowship	Other Organization	FRSQ	Effective Date	1992/9	End Date	1995/8	Currency	Canadian dollar		
11	Recognition Type	Prize / Award	Recognition Name	MRC, Postdoctoral Fellowship	Organization	Medical Research Council of Canada		Effective Date	1992/9	End Date	1995/8	Currency	Canadian dollar	
12	Recognition Type	Prize / Award	Recognition Name	Canadian Pharmacology Society	Other Organization	Canadian Pharmacology Society		Effective Date	1990/8	Amount	500	Currency	Canadian dollar	
13	Recognition Type	Prize / Award	Recognition Name	MRC, Graduate Student Fellowship	Organization	Medical Research Council of Canada		Effective Date	1988/9	End Date	1992/8	Currency	Canadian dollar	
14	Recognition Type	Prize / Award	Recognition Name	NSERC, Graduate Student Fellowship			Organization	Natural Sciences and Engineering Research Council of Canada (NSERC)	Effective Date	1987/9	End Date	1988/8	Currency	Canadian dollar
15	Recognition Type	Prize / Award	Recognition Name	FCAR, Graduate Student Fellowship	Other Organization	FCAR	Effective Date	1987/1	End Date	1987/12	Currency	Canadian dollar		
16	Recognition Type	Prize / Award	Recognition Name	MEQ, Student Fellowship	Other Organization	Ministère de l'Éducation du Québec		Effective Date	1975/7	End Date	1976/6	Currency	Canadian dollar	
	Research Disciplines													
		Research Discipline												
	1	Physiology												
17	Recognition Type	Prize / Award	Recognition Name	Travel Award	Other Organization	Air Canada	Effective Date	1975/5	End Date	1975/9	Amount	500	Currency	Canadian dollar
18	Recognition Type	Prize / Award	Recognition Name	Student Fellowship	Other Organization	Imperial Oil Company	Effective Date	1973/5	End Date	1973/8	Amount	500	Currency	Canadian dollar
	Research Disciplines													

	Research Discipline
1	Physiology

Employment

Academic Work Experience

	Position Title	Organization	Department	Start Date	End Date
1	Associate Professor	McGill University	Medicine, Faculty of	2004/7	
2	Assistant Professor	McGill University	Medicine, Faculty of	1995/1	2004/7
3	Research Assistant	Université de Sherbrooke	Biologie	1978/5	1988/1
4	Research Assistant	Université de Sherbrooke	Médecine	1976/6	1978/5

Affiliations

The primary Affiliations is denoted by (*)

	Position Title	Organization	Department	Start Date	End Date
*1	Associate Professor	McGill University	Medicine	2004/7	
2	Associate Member	McGill University	Physiology	2000/9	
3	Assistant Professor	McGill University	Medicine	1995/1	2004/6

Research Funding History

1	Funding Title <input type="text" value="Phosphorylation of Nck"/> Funding Status <input type="text" value="Awarded"/> Funding Role <input type="text" value="Principal Investigator"/>							
	Funding Sources							
		Funding Organization	Program Name	Funding Competitive?	Total Funding	Currency of Total Funding	Funding Start Date	Funding End Date
	1	Natural Sciences and Engineering Research Council of Canada (NSERC)	Discovery Grant	Yes	130000	Canadian dollar	2012/4	2017/3
2	Funding Title <input type="text" value="Role of the adaptor protein Nck in the pathogenesis of insulin resistance and type 2 Diabetes"/> Funding Status <input type="text" value="Awarded"/>							
	Funding Role <input type="text" value="Principal Investigator"/>							
	Funding Sources							
		Funding Organization	Program Name	Funding Competitive?	Total Funding	Currency of Total Funding	Funding Start Date	Funding End Date
	1	Canadian Institutes of Health Research (CIHR)	Operating grant	Yes	702869	Canadian dollar	2011/10	2016/9
3	Funding Title <input type="text" value="Understanding molecular dynamics of Nck-mediated interactions and signaling by Bioluminescence Resonance Energy Transfer"/>							
	Funding Status <input type="text" value="Under Review"/> Funding Role <input type="text" value="Principal Applicant"/>							
	Funding Sources							
		Funding Organization	Program Name	Funding Competitive?	Total Funding	Currency of Total Funding	Funding Start Date	Funding End Date
	1	Natural Sciences and Engineering Research Council of Canada (NSERC)	RTI	Yes	36300	Canadian dollar	2013/4	2014/5
4	Funding Title <input type="text" value="Signalisation Quebec 2012"/> Funding Status <input type="text" value="Completed"/> Funding Role <input type="text" value="Co-applicant"/>							
	Funding Sources							
		Funding Organization	Program Name	Funding Competitive?	Total Funding	Currency of Total Funding	Funding Start Date	Funding End Date
	1	Canadian Institutes of Health Research	Dissemination Events	Yes	24740	Canadian dollar	2012/4	2012/7

	(CIHR)						
5	Funding Title <input type="text" value="Phosphorylation of Nck"/> Funding Status <input type="text" value="Completed"/> Funding Role <input type="text" value="Principal Investigator"/>						
	Funding Sources						
	Funding Organization	Program Name	Funding Competitive?	Total Funding	Currency of Total Funding	Funding Start Date	Funding End Date
1	Natural Sciences and Engineering Research Council of Canada (NSERC)	Discovery Grant Individual	Yes	150000	Canadian dollar	2007/4	2012/3
6	Funding Title <input type="text" value="Role of the adaptor protein Nck in the pathogenesis of insulin resistance and type 2 Diabetes"/> Funding Status <input type="text" value="Completed"/>						
	Funding Role <input type="text" value="Principal Investigator"/>						
	Funding Sources						
	Funding Organization	Program Name	Funding Competitive?	Total Funding	Currency of Total Funding	Funding Start Date	Funding End Date
1	McGill University Health Centre Research Institute	Bridge Funding	Yes	50000	Canadian dollar	2011/4	2012/4
7	Funding Title <input type="text" value="L'univers de la communication cellulaire sous l'angle de l'adaptateur protéique Nck"/> Funding Status <input type="text" value="Completed"/>						
	Funding Role <input type="text" value="Principal Applicant"/>						
	Funding Sources						
	Funding Organization	Program Name	Funding Competitive?	Total Funding	Currency of Total Funding	Funding Start Date	Funding End Date
1	Fonds de la Recherche en Santé du Québec (FRSQ)	Chercheur National	Yes	120000	Canadian dollar	2007/7	2011/7
8	Funding Title <input type="text" value="A Role for the adaptor protein Nck in Type 2 Diabetes"/> Funding Status <input type="text" value="Completed"/> Funding Role <input type="text" value="Principal Investigator"/>						
	Funding Sources						
	Funding Organization	Program Name	Funding Competitive?	Total Funding	Currency of Total Funding	Funding Start Date	Funding End Date
1	Canadian Diabetes Association	Operating Grant	Yes	2888275	Canadian dollar	2007/7	2010/7
9	Funding Title <input type="text" value="Effect of Nck on translational machinery in cell transformation"/> Funding Status <input type="text" value="Completed"/> Funding Role <input type="text" value="Principal Investigator"/>						
	Funding Sources						
	Funding Organization	Program Name	Funding Competitive?	Total Funding	Currency of Total Funding	Funding Start Date	Funding End Date
1	Canadian Institutes of Health Research (CIHR)	Operating grant	Yes	289002	Canadian dollar	2005/10	2008/9
10	Funding Title <input type="text" value="Role of Nck on translational machinery in cell transformation"/> Funding Status <input type="text" value="Completed"/> Funding Role <input type="text" value="Principal Investigator"/>						
	Funding Sources						
	Funding Organization	Program Name	Funding Competitive?	Total Funding	Currency of Total Funding	Funding Start Date	Funding End Date
1	Cancer Research Society (The)	Operating grant/ Declined	Yes	125300	Canadian dollar	2005/9	2007/8
11	Funding Title <input type="text" value="Role for the adaptor protein Nck in type 2 Diabetes"/> Funding Status <input type="text" value="Completed"/> Funding Role <input type="text" value="Principal Investigator"/>						
	Funding Sources						
	Funding Organization	Program Name	Funding Competitive?	Total Funding	Currency of Total Funding	Funding Start Date	Funding End Date

	1	Canadian Diabetes Association	Operating grant	Yes	148340	Canadian dollar	2005/7	2007/6
12	Funding Title <input type="text" value="FRSQ, Chercheur Boursier Senior"/> Funding Status <input type="text" value="Completed"/> Funding Role <input type="text" value="Principal Applicant"/>							
	Funding Sources							
		Funding Organization	Program Name	Funding Competitive?	Total Funding	Currency of Total Funding	Funding Start Date	Funding End Date
	1	Fonds de la Recherche en Santé du Québec (FRSQ)	Chercheur Boursier Senior	Yes	172878	Canadian dollar	2004/7	2007/6
13	Funding Title <input type="text" value="Phosphorylation of Nck"/> Funding Status <input type="text" value="Completed"/> Funding Role <input type="text" value="Principal Investigator"/>							
	Funding Sources							
		Funding Organization	Program Name	Funding Competitive?	Total Funding	Currency of Total Funding	Funding Start Date	Funding End Date
	1	Natural Sciences and Engineering Research Council of Canada (NSERC)	Operating Grant	Yes	175000	Canadian dollar	2002/4	2007/3
14	Funding Title <input type="text" value="Nck, a marker of cancer development and/or progression"/> Funding Status <input type="text" value="Completed"/> Funding Role <input type="text" value="Principal Investigator"/>							
	Funding Sources							
		Funding Organization	Program Name	Funding Competitive?	Total Funding	Currency of Total Funding	Funding Start Date	Funding End Date
	1	Astra Zeneca Inc.	Financial support for Ms. Salma Ismail M.Sc program	No	5000	Canadian dollar	2006/1	2006/12
15	Funding Title <input cytoskeletal="" dynamics""="" type="text" value="Interantional Symposium on "/> Funding Status <input type="text" value="Completed"/> Funding Role <input type="text" value="Co-investigator"/>							
	Funding Sources							
		Funding Organization	Program Name	Funding Competitive?	Total Funding	Currency of Total Funding	Funding Start Date	Funding End Date
	1	National Cancer Institute of Canada (NCIC)	Support pour un Symposium International	Yes	8200	Canadian dollar	2006/5	2006/12
16	Funding Title <input type="text" value="International Symposium on Cytoskeletal Dynamics"/> Funding Status <input type="text" value="Completed"/> Funding Role <input type="text" value="Co-investigator"/>							
	Funding Sources							
		Funding Organization	Program Name	Funding Competitive?	Total Funding	Currency of Total Funding	Funding Start Date	Funding End Date
	1	Canadian Institutes of Health Research (CIHR)	Institut of Genetics, Support for Symposia	Yes	5000	Canadian dollar	2005/6	2006/6
17	Funding Title <input type="text" value="International Symposium on Cytoskeletal Dynamics"/> Funding Status <input type="text" value="Completed"/> Funding Role <input type="text" value="Co-investigator"/>							
	Funding Sources							
		Funding Organization	Program Name	Funding Competitive?	Total Funding	Currency of Total Funding	Funding Start Date	Funding End Date
	1	Canadian Institutes of Health Research (CIHR)	Institute of Cancer Research support for symposia	Yes	15000	Canadian dollar	2005/6	2006/5
18	Funding Title <input type="text" value="CIHR, Multi-User Equipment and Maintenance"/> Funding Status <input type="text" value="Completed"/> Funding Role <input type="text" value="Co-applicant"/>							
	Funding Sources							
		Funding Organization	Program Name	Funding Competitive?	Total Funding	Currency of Total Funding	Funding Start Date	Funding End Date
	1	Canadian Institutes of Health Research	Multi-User Equipment and	Yes	225056	Canadian dollar	2005/5	2006/4

	(CIHR)	Maintenance Grant					
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19 Funding Title Funding Status Funding Role

Funding Sources

	Funding Organization	Program Name	Funding Competitive?	Total Funding	Currency of Total Funding	Funding Start Date	Funding End Date
1	McGill University Health Centre Research Institute	Equipment Competition 2005	Yes	11288	Canadian dollar	2005/4	2006/3

20 Funding Title Funding Status

Funding Role

Funding Sources

	Funding Organization	Program Name	Funding Competitive?	Total Funding	Currency of Total Funding	Funding Start Date	Funding End Date
1	Canadian Diabetes Association	Operating Grant	Yes	135460	Canadian dollar	2003/7	2005/7

21 Funding Title Funding Status Funding Role

Funding Sources

	Funding Organization	Program Name	Funding Competitive?	Total Funding	Currency of Total Funding	Funding Start Date	Funding End Date
1	McGill University Health Centre Research Institute	Equipment Fund	Yes	33500	Canadian dollar	2004/6	2005/6

22 Funding Title Funding Status Funding Role

Funding Sources

	Funding Organization	Program Name	Funding Competitive?	Total Funding	Currency of Total Funding	Funding Start Date	Funding End Date
1	Fonds de recherche du Québec - Santé (FRQS)	Chercheur Boursier Junior 2	Yes	102910	Canadian dollar	2001/7	2003/6

23 Funding Title Funding Status

Funding Role

Funding Sources

	Funding Organization	Program Name	Funding Competitive?	Total Funding	Currency of Total Funding	Funding Start Date	Funding End Date
1	Canadian Diabetes Association	Operating Grant	Yes	140800	Canadian dollar	2001/7	2003/6

24 Funding Title Funding Status Funding Role

Funding Sources

	Funding Organization	Program Name	Funding Competitive?	Total Funding	Currency of Total Funding	Funding Start Date	Funding End Date
1	Louis G. Foundation (Can)	Equipment Grant	Yes	12882	Canadian dollar	2002/1	2002/12

25 Funding Title Funding Status Funding Role

Funding Sources

	Funding Organization	Program Name	Funding Competitive?	Total Funding	Currency of Total Funding	Funding Start Date	Funding End Date
1	Canadian Institutes of Health Research	Multi-user Equipment	Yes	171966	Canadian dollar	2002/1	2002/12

	(CIHR)						
26	Funding Title <input type="text" value="Molecular mechanisms involving Nck in cell ransformation."/> Funding Status <input type="text" value="Completed"/> Funding Role <input type="text" value="Principal Investigator"/>						
	Funding Sources						
	Funding Organization	Program Name	Funding Competitive?	Total Funding	Currency of Total Funding	Funding Start Date	Funding End Date
1	Canadian Institutes of Health Research (CIHR)	Operating Grant	Yes	9226	Canadian dollar	2002/3	2002/4
27	Funding Title <input type="text" value="Investigation of the role of Nck in cellular growth and transformation"/> Funding Status <input type="text" value="Completed"/>						
	Funding Role <input type="text" value="Principal Investigator"/>						
	Funding Sources						
	Funding Organization	Program Name	Funding Competitive?	Total Funding	Currency of Total Funding	Funding Start Date	Funding End Date
1	Medical Research Council of Canada (MRC)	Operating Grant	Yes	221424	Canadian dollar	1999/4	2002/3
28	Funding Title <input type="text" value="CIHR, Equipment Grant"/> Funding Status <input type="text" value="Completed"/> Funding Role <input type="text" value="Co-investigator"/>						
	Funding Sources						
	Funding Organization	Program Name	Funding Competitive?	Total Funding	Currency of Total Funding	Funding Start Date	Funding End Date
1	Canadian Institutes of Health Research (CIHR)	Equipment Grant	Yes	140806	Canadian dollar	2001/4	2001/12
29	Funding Title <input type="text" value="Function of Nck in Insulin signaling"/> Funding Status <input type="text" value="Completed"/> Funding Role <input type="text" value="Principal Investigator"/>						
	Funding Sources						
	Funding Organization	Program Name	Funding Competitive?	Total Funding	Currency of Total Funding	Funding Start Date	Funding End Date
1	Canadian Diabetes Association	Operating Grant	Yes	90000	Canadian dollar	1999/7	2001/7
30	Funding Title <input type="text" value="Role of Nck in Insulin Signaling"/> Funding Status <input type="text" value="Completed"/> Funding Role <input type="text" value="Principal Applicant"/>						
	Funding Sources						
	Other Funding Organization	Program Name	Funding Competitive?	Total Funding	Currency of Total Funding	Funding Start Date	Funding End Date
1	Canadian Diabetes Association	Scholarship/Declined	Yes	250000	Canadian dollar	1996/7	2001/7
31	Funding Title <input type="text" value="Investigation of the Nck adaptor protein function"/> Funding Status <input type="text" value="Completed"/> Funding Role <input type="text" value="Principal Applicant"/>						
	Funding Sources						
	Other Funding Organization	Program Name	Funding Competitive?	Total Funding	Currency of Total Funding	Funding Start Date	Funding End Date
1	CIHR-CRS	Scholarship,	Yes	250000	Canadian dollar	1996/7	2001/6
32	Funding Title <input type="text" value="Special 2000 Equipment Competition"/> Funding Status <input type="text" value="Completed"/> Funding Role <input type="text" value="Co-investigator"/>						
	Funding Sources						
	Funding Organization	Program Name	Funding Competitive?	Total Funding	Currency of Total Funding	Funding Start Date	Funding End Date
1	McGill University Health Centre Research Institute	Special 2000 Equipment Competition	Yes	35595	Canadian dollar	2000/1	2000/12
33							

	Funding Title	Function of Nck and Casein Kinase I-g2 in Insulin Signaling.	Funding Status	Completed	Funding Role	Principal Investigator		
	Funding Sources							
		Funding Organization	Program Name	Funding Competitive?	Total Funding	Currency of Total Funding	Funding Start Date	Funding End Date
	1	Canadian Diabetes Association	Research Grant	Yes	120000	Canadian dollar	1997/7	1999/7
34	Funding Title	FRSQ, Chercheur Boursier Junior 1	Funding Status	Completed	Funding Role	Principal Applicant		
	Funding Sources							
		Other Funding Organization	Program Name	Funding Competitive?	Total Funding	Currency of Total Funding	Funding Start Date	Funding End Date
	1	FRSQ	Chercheur Boursier, Junior 1/Declined	Yes	208000	Canadian dollar	1996/7	2000/6
35	Funding Title	Signaling by Nck effectors	Funding Status	Completed	Funding Role	Principal Investigator		
	Funding Sources							
		Funding Organization	Program Name	Funding Competitive?	Total Funding	Currency of Total Funding	Funding Start Date	Funding End Date
	1	Medical Research Council of Canada (MRC)	Research Grant	Yes	30530	Canadian dollar	1998/10	1999/5
36	Funding Title	Function of Nck, an adaptor protein in mitogenesis and transformation.	Funding Status	Completed	Funding Role	Principal Investigator		
	Funding Sources							
		Funding Organization	Program Name	Funding Competitive?	Total Funding	Currency of Total Funding	Funding Start Date	Funding End Date
	1	Medical Research Council of Canada (MRC)	Operating Grant	Yes	184800	Canadian dollar	1995/10	1998/10
37	Funding Title	Role of Nck in cell transformation and mitogenesis	Funding Status	Completed	Funding Role	Principal Investigator		
	Funding Sources							
		Funding Organization	Program Name	Funding Competitive?	Total Funding	Currency of Total Funding	Funding Start Date	Funding End Date
	1	Fonds de la Recherche en Santé du Québec (FRSQ)	Fond D'Etablissement	Yes	30000	Canadian dollar	1996/4	1998/3
38	Funding Title	Fraser, Monat and McPherson Foundation	Funding Status	Completed	Funding Role	Principal Applicant		
	Funding Sources							
		Other Funding Organization	Program Name	Funding Competitive?	Total Funding	Currency of Total Funding	Funding Start Date	Funding End Date
	1	Fraser, Monat & McPherson Foundation	Scholarship	Yes	60000	Canadian dollar	1995/5	1996/4
39	Funding Title	The molecular mechanisms of cellular signal transduction through Nck	Funding Status	Completed	Funding Role	Principal Investigator		
	Funding Sources							
		Funding Organization	Program Name	Funding Competitive?	Total Funding	Currency of Total Funding	Funding Start Date	Funding End Date
	1	McGill University Health Centre Research Institute	Operating Grant	No	150000	Canadian dollar	1995/1	1997/12
40								

40	Funding Title <input type="text" value="Role of Nck in Insulin Signalling"/> Funding Status <input type="text" value="Completed"/> Funding Role <input type="text" value="Principal Investigator"/>						
Funding Sources							
	Funding Organization	Program Name	Funding Competitive?	Total Funding	Currency of Total Funding	Funding Start Date	Funding End Date
1	Canadian Diabetes Association	Operating Grant	Yes	91770	Canadian dollar	1995/7	1997/6
41	Funding Title <input type="text" value="The role of the adaptor protein Nck in cell proliferation"/> Funding Status <input type="text" value="Completed"/> Funding Role <input type="text" value="Principal Investigator"/>						
Funding Sources							
	Funding Organization	Program Name	Funding Competitive?	Total Funding	Currency of Total Funding	Funding Start Date	Funding End Date
1	McGill University Health Centre Research Institute	Start-Up	No	35000	Canadian dollar	1995/1	1995/12
42	Funding Title <input type="text" value="Investigation of the Nck adaptor protein function"/> Funding Status <input type="text" value="Completed"/> Funding Role <input type="text" value="Principal Applicant"/>						
Funding Sources							
	Other Funding Organization	Program Name	Funding Competitive?	Total Funding	Currency of Total Funding	Funding Start Date	Funding End Date
1	Royal Victoria Hospital, Medicine Faculty, McGill University	Scholarship/Declined in May 1995	No	57000	Canadian dollar	1995/1	1995/1
43	Funding Title <input type="text" value="Postdoctoral Fellowship"/> Funding Status <input type="text" value="Completed"/> Funding Role <input type="text" value="Principal Applicant"/>						
Funding Sources							
	Other Funding Organization	Program Name	Funding Competitive?	Total Funding	Currency of Total Funding	Funding Start Date	Funding End Date
1	FRSQ	Fellowship/Declined	Yes	84000	Canadian dollar	1992/1	1995/1
44	Funding Title <input type="text" value="Postdoctoral Fellowship"/> Funding Status <input type="text" value="Completed"/> Funding Role <input type="text" value="Principal Applicant"/>						
Funding Sources							
	Other Funding Organization	Program Name	Funding Competitive?	Total Funding	Currency of Total Funding	Funding Start Date	Funding End Date
1	Medical Research Council of Canada, MRC	Fellowship	Yes	105000	Canadian dollar	1992/1	1995/1
45	Funding Title <input type="text" value="Ph.D. Student Fellowship"/> Funding Status <input type="text" value="Completed"/> Funding Role <input type="text" value="Principal Applicant"/>						
Funding Sources							
	Other Funding Organization	Program Name	Funding Competitive?	Total Funding	Currency of Total Funding	Funding Start Date	Funding End Date
1	MRC	Studentship	Yes	60000	Canadian dollar	1988/4	1992/4
46	Funding Title <input type="text" value="M.Sc. Student Fellowship"/> Funding Status <input type="text" value="Completed"/> Funding Role <input type="text" value="Principal Applicant"/>						
Funding Sources							
	Other Funding Organization	Program Name	Funding Competitive?	Total Funding	Currency of Total Funding	Funding Start Date	Funding End Date
1	NSERC	Studentship	Yes	5200	Canadian dollar	1987/7	1988/7
47	Funding Title <input type="text" value="M.Sc. Student Fellowship"/> Funding Status <input type="text" value="Completed"/> Funding Role <input type="text" value="Principal Applicant"/>						
Funding Sources							
	Other Funding Organization	Program Name	Funding Competitive?	Total Funding	Currency of Total Funding	Funding Start Date	Funding End Date
1	FCAR	Studentship	Yes	2500	Canadian dollar	1987/7	1988/7

48	Funding Title <input type="text" value="M.Sc. Student Fellowship"/> Funding Status <input type="text" value="Completed"/> Funding Role <input type="text" value="Principal Applicant"/>						
Funding Sources							
	Other Funding Organization	Program Name	Funding Competitive?	Total Funding	Currency of Total Funding	Funding Start Date	Funding End Date
1	Ministère de l'Éducation du Québec, MEQ	Fellowship	Yes	1200	Canadian dollar	1975/9	1976/9
49	Funding Title <input type="text" value="Travel Award"/> Funding Status <input type="text" value="Completed"/> Funding Role <input type="text" value="Principal Applicant"/>						
Funding Sources							
	Other Funding Organization	Program Name	Funding Competitive?	Total Funding	Currency of Total Funding	Funding Start Date	Funding End Date
1	Air Canada	Travel Award	No	500	Canadian dollar	1975/1	1975/1
50	Funding Title <input type="text" value="Summer Student Fellowship"/> Funding Status <input type="text" value="Completed"/> Funding Role <input type="text" value="Principal Applicant"/>						
Funding Sources							
	Other Funding Organization	Program Name	Funding Competitive?	Total Funding	Currency of Total Funding	Funding Start Date	Funding End Date
1	Imperial Oil Company	Summer Student Fellowship	Yes	600	Canadian dollar	1973/6	1973/6

Activities

Supervisory Activities

Student Supervision

	Supervision Role	Student Name	Student Institution	Student Degree Type	Student Degree Status	Student Degree Start Date	Student Degree Expected Date	Project Description	Present Position of Student	Student Degree Received Date
1	Principal Supervisor	Catherine Liu	McGill University	Bachelor's	In Progress	2011/9	2014/5	Nck2 and glucose homeostasis	B.Sc. student at McGill University	
2	Principal Supervisor	Paula Pinto Coehlo	McGill University	Bachelor's Honours	In Progress	2010/9	2014/		B.Sc Student	
3	Principal Supervisor	Tasmin Nafisa	University of Ottawa	Bachelor's	In Progress	2010/9	2013/5	Relationship Nck1 and PKR	B.Sc Student at University of Ottawa	
4	Principal Supervisor	Dusseault Julie	McGill University	Post-doctorate	In Progress	2010/3		Role of Nck2 in Glucose Homeostasis, Insulin signaling and type 2 Diabetes	Postdoc	
5	Principal Supervisor	Li Hui	McGill University	Doctorate	In Progress	2009/9	2014/9	Nck1, IRE1alpha and regulation of hepatic Insulin Sensitivity	Ph.D. Graduate Student	
6	Principal Supervisor	Yamani Lama	McGill University	Doctorate	In Progress	2009/9	2014/9	Nck, PERK and pancreatic beta cell homeostasis	Ph.D. Graduate Student	
7	Principal Supervisor	Seide Marilyne	McGill University	Doctorate	Withdrawn	2008/7		Un rôle pour Nck dans le développement de cellules beta du pancréas endocrine	Unknown	
8	Principal Supervisor	Picard-Cloutier Aude	McGill University	Doctorate	Withdrawn	2006/1		Role of Nck in the development of cancer	Unknown	
9	Principal Supervisor	Peng Jennie	McGill University	Master's Thesis	Withdrawn	2002/5		Role of Nck in Insulin	Unknown	

								Signaling		
10	Principal Supervisor	Mohammed Selman	University of Ottawa	Bachelor's	Completed	2008/9		Nck and PKR Interaction	Unknown	2012/5
11	Principal Supervisor	Erica Weinberg	McGill University	Bachelor's Honours	Completed	2007/9		N/A	Unknown	2012/5
12	Principal Supervisor	Kemp-Doyon Venessa	McGill University	Bachelor's	Completed	2008/9		Nck2 and insulin signaling in adipose tissue	Pharmacy B.Sc. at Universite de Montreal	2011/5
13	Principal Supervisor	Abu-Thuraia Afnan	McGill University	Master's Thesis	Completed	2008/9		Regulation of PKR by the adaptor protein Nck	Ph.D. student at IRCM, University of Montreal	2010/9
14	Co-Supervisor	Labelle-Côté Méliissa	Montreal University	Master's Thesis	Completed	2008/5		Un rôle pour Nck dans la progression du cancer	Scientific Communicator	2009/12
15	Co-Supervisor	Gauthier Rosemarie	IRCM	Master's Thesis	Completed	2007/7		DOCK 180 phosphorylation	Unknown	2009/7
16	Principal Supervisor	Laberge Marie-Kristine	McGill University	Master's Thesis	Completed	2007/1		Role on Nck in ER stress and insulin Signaling	Industry: Research Assistant	2008/12
17	Principal Supervisor	Cardin Eric	McGill University	Doctorate	Completed	2002/4		Nck and eIF2alpha kinases	Postdoc, NIH, USA	2008/11
18	Principal Supervisor	Azad Adiba	McGill University	Bachelor's	Completed	2005/9		Interaction between Nck and eIF2beta	Med. School Student, Florida	2008/4
19	Principal Supervisor	Salma Ismail	McGill University	Master's Thesis	Completed	2006/1		Nck, a marker of cancer development and/or progression	Clinician	2007/10
20	Principal Supervisor	Latreille Mathieu	McGill University	Doctorate	Completed	2003/2		Role of Nck in Regulating Translation and Stress Response	postdoctorate Zurich, Switzerland	2007/10
21	Co-Supervisor	Noor Mohamed	McGill University	Bachelor's	Completed	2004/9		Prolactin Signaling	Unknown	2007/5
22	Principal Supervisor	Bastianelli Paul	McGill University	Bachelor's Honours	Completed	2004/9		Nutritional regulation of Nck expression	Med. School Student	2007/4
23	Principal Supervisor	Jean Sebastien Menard	McGill University	Bachelor's	Completed	2002/9		Molecular Interaction Nck and eIF2beta	Unknown	2005/5
24	Principal Supervisor	Houri Nadia	McGill University	Bachelor's	Completed	2002/9		Molecular Interaction Nck and PP1	Graduate Student at IRCM, Université de Montréal	2005/5
25	Principal Supervisor	Claire Fung	McGill University	Bachelor's	Completed	2001/9		Casein Kinase I gamma 2 characterization	Unknown	2004/5
26	Principal Supervisor	Jennifer Lee	McGill University	Bachelor's	Completed	2001/9		Characterization of CKI-gamma 2	Unknown	2004/5
27	Principal Supervisor	Huyng Carl	McGill University	Bachelor's	Completed	2001/9		Interaction Nck and B56	Dentistry School	2004/4
28	Principal Supervisor	Oliva Rossella	McGill University	Master's Thesis	Completed	2000/5		Casein Kinase I-g2 (CK1-g2)	Clinician	2004/2
29	Principal Supervisor	Sanderson Ilana	McGill University	Bachelor's	Completed	1999/1		Phosphorylation of Nck	Clinician	2002/9
30	Principal Supervisor	Kebache Sem	McGill University	Doctorate	Completed	1997/7		Role of Nck in Regulating Translation	private sector	2002/2
31	Principal Supervisor	Lee Yumi	McGill University	Bachelor's	Completed	1998/9		CKI-g2 and yeast	Unknwon	2001/9
32	Principal Supervisor	Tsai Patty	McGill University	Bachelor's	Completed	1998/9		Interaction Nck and eIF2b	Unknown	2001/5
33	Principal	Lacerte Annie	Université de	Bachelor's	Completed	1998/9		Nck and	Scientist	2001/1

	Supervisor		Sherbrooke					oncogenesis		
34	Principal Supervisor	Saadane Nacera	McGill University	Post-doctorate	Completed	1999/4		Casein Kinase I-g2	Unknown	1999/10
35	Principal Supervisor	Cardillo Marricco Nadia	McGill University	Master's Thesis	Completed	1996/6		Biochemical characterization of CKI-g2	Clinical Scientist at MDS	1998/8
36	Principal Supervisor	Bachir Bioukar El	McGill University	Post-doctorate	Completed	1996/3		Regulation of the PDGF receptor activity	Unknown	1998/8
37	Principal Supervisor	Palcy Sandrine	McGill University	Post-doctorate	Completed	1998/2		Phosphorylation of FXR2 by CKI-g2	Scientist, France	1998/6
38	Principal Supervisor	Zen Wong	Université de Montréal	Bachelor's	Completed	1993/9		Role of Nck in Insulin Signaling	Unknown	1996/5
39	Principal Supervisor	Boudreau Janice	McGill University	Post-doctorate	Completed	1995/10		Role of Nck in insulin signaling	Clinician	1995/12

International Collaboration Activities

	Role	Location	Start Date	End Date	Activity Description
1	Provide reagents and expertise	New Jersey	2008-03-04	2009-06-29	Participating in research that resulted in a publication in Biochemistry 48:6369-78, 2009
2	Provide reagent, expertise and manuscript edition	Unknown	2005-05-03	2006-04-11	Participating jointly in research that resulted in a publication in PNAS vol 103(15):5911-16, 2006
3	Provide unique reagents	Texas	2003-07-01	2004-01-27	Participating in research by providing unique reagents generated in my laboratory. This work has been published in Oncogene 23:4422-29, 2004
4	Provide unique reagents	Edinburgh, City of	1999-01-01	2001-02-20	Participating in research by providing unique reagents generated in my laboratory. This resulted in a publication in JBC vol 276 (22):18757-18764, 2001
5	Provide reagents and expertise	Paris	1999-01-12	1999-06-16	Participating in research resulting in a publication in Oncogene 18:6425-33, 1999

Contributions

Presentations

	Presentation Title	Conference / Event Name	Location	City	Main Audience	Presentation Date
1	Regulation of Glucose Homeostasis by Adaptor Proteins Nck	4th World Congress Diabetes & Metabolism, Chicago August 14-16, 2013	Illinois	Chicago	Researcher	2013-08-14
2	Nck et le contrôle de la voie PI3K/Akt par IRE1	Signalisation Québec 2012	Quebec	Bécancour	Researcher	2012-06-15
3	Regulating the UPR and obesity-induced type 2 Diabetes	Experimental Biology 2012	California	San Diego	Researcher	2012-04-21
4	Nck, un régulateur des kinases eIF2 alpha	Signalisation Québec 2010	Quebec	Bromont	Researcher	2010-06-15
5	Nck, impliqué dans la réponse du réticulum endoplasmique aux stress, joue un rôle important dans l'établissement de la résistance à l'insuline qui accompagne l'obésité	Signalisation Québec 2008	Quebec	Québec	Researcher	2008-06-14
6	L'adaptateur protéique Nck, pour le meilleur ou pour le pire	Signalisation Québec 2003	Quebec	Québec	Researcher	2003-11-14
7	A role for Nck in PDGF	Conference on Signaling	Alberta	Banff	Researcher	1998-11-03

receptor signaling and cancer cells

Publications

PubMed Articles

1	<p>PubMed ID <input type="text" value="21880263"/> Title <input type="text" value="[A uNick protein]."/> Journal <input type="text" value="Médecine sciences : M/S"/> Volume <input type="text" value="27"/> Issue <input type="text" value="8-9"/></p> <p>Publication Date <input type="text" value="August 31, 2011"/> Authors <input type="text" value="Labelle-Côté M , Larose L"/> Open Access? <input type="text" value="Yes"/></p> <p>Funding Sources</p> <table border="1"> <thead> <tr> <th></th> <th>Funding Organization</th> <th>Funding Reference Number</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Canadian Institutes of Health Research (CIHR)</td> <td>MOP-77731</td> </tr> </tbody> </table>		Funding Organization	Funding Reference Number	1	Canadian Institutes of Health Research (CIHR)	MOP-77731
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1	Canadian Institutes of Health Research (CIHR)	MOP-77731					
2	<p>PubMed ID <input type="text" value="22496693"/> Title <input type="text" value="Casein kinase i2 impairs fibroblasts actin stress fibers formation and delays cell cycle progression in g1."/></p> <p>Journal <input type="text" value="International journal of cell biology"/> Volume <input type="text" value="2012"/> Publication Date <input type="text" value="2012"/></p> <p>Authors <input type="text" value="Latreille M , Abu-Thuraia A , Oliva R , Zuo D , Larose L"/> Open Access? <input type="text" value="Yes"/></p>						
3	<p>PubMed ID <input type="text" value="20587749"/></p> <p>Title <input type="text" value="Deletion of Nck1 attenuates hepatic ER stress signaling and improves glucose tolerance and insulin signaling in liver of obese mice."/></p> <p>Journal <input type="text" value="American journal of physiology. Endocrinology and metabolism"/> Volume <input type="text" value="300"/> Issue <input type="text" value="3"/> Publication Date <input type="text" value="2011 Mar"/></p> <p>Authors <input type="text" value="Latreille M , Laberge MK , Bourret G , Yamani L , Larose L"/> Open Access? <input type="text" value="Yes"/></p> <p>Funding Sources</p> <table border="1"> <thead> <tr> <th></th> <th>Funding Organization</th> <th>Funding Reference Number</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Canadian Diabetes Association</td> <td>OG-3-07-2321-LL</td> </tr> </tbody> </table>		Funding Organization	Funding Reference Number	1	Canadian Diabetes Association	OG-3-07-2321-LL
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5	<p>PubMed ID <input type="text" value="20332103"/> Title <input type="text" value="The Gab1 scaffold regulates RTK-dependent dorsal ruffle formation through the adaptor Nck."/></p> <p>Journal <input type="text" value="Journal of cell science"/> Volume <input type="text" value="123"/> Issue <input type="text" value="Pt 8"/> Publication Date <input type="text" value="2010 Apr 15"/></p> <p>Authors <input type="text" value="Abella JV , Vaillancourt R , Frigault MM , Ponzo MG , Zuo D , Sangwan V , Larose L , Park M"/> Open Access? <input type="text" value="Yes"/></p>						
6	<p>PubMed ID <input type="text" value="19505147"/> Title <input type="text" value="Regulation of process retraction and cell migration by EphA3 is mediated by the adaptor protein Nck1."/></p> <p>Journal <input type="text" value="Biochemistry"/> Volume <input type="text" value="48"/> Issue <input type="text" value="27"/> Publication Date <input type="text" value="2009 Jul 14"/> Authors <input type="text" value="Hu T , Shi G , Larose L , Rivera GM , Mayer BJ , Zhou R"/></p> <p>Open Access? <input type="text" value="Yes"/></p>						
7	<p>PubMed ID <input type="text" value="19342663"/></p> <p>Title <input type="text" value="Critical and multiple roles for the CD3epsilon intracytoplasmic tail in double negative to double positive thymocyte differentiation."/></p> <p>Journal <input type="text" value="Journal of immunology (Baltimore, Md. : 1950)"/> Volume <input type="text" value="182"/> Issue <input type="text" value="8"/> Publication Date <input type="text" value="2009 Apr 15"/></p> <p>Authors <input type="text" value="Brodeur JF , Li S , da Silva Martins M , Larose L , Dave VP"/> Open Access? <input type="text" value="Yes"/></p>						
8	<p>PubMed ID <input type="text" value="18835251"/> Title <input type="text" value="Nck-1 interacts with PKR and modulates its activation by dsRNA."/></p> <p>Journal <input type="text" value="Biochemical and biophysical research communications"/> Volume <input type="text" value="377"/> Issue <input type="text" value="1"/> Publication Date <input type="text" value="2008 Dec 5"/></p>						

	Authors <input type="text" value="Cardin E , Larose L"/> Open Access? <input type="checkbox" value="Yes"/>						
Funding Sources							
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9	PubMed ID <input type="text" value="17944934"/> Title <input type="text" value="Nck-1 selectively modulates eIF2alphaSer51 phosphorylation by a subset of eIF2alpha-kinases."/> Journal <input type="text" value="The FEBS journal"/> Volume <input type="text" value="274"/> Issue <input type="text" value="22"/> Publication Date <input type="text" value="2007 Nov"/> Authors <input type="text" value="Cardin E , Latreille M , Khoury C , Greenwood MT , Larose L"/> Open Access? <input type="checkbox" value="Yes"/>						
Funding Sources							
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10	PubMed ID <input type="text" value="16835242"/> Title <input type="text" value="Nck in a complex containing the catalytic subunit of protein phosphatase 1 regulates eukaryotic initiation factor 2alpha signaling and cell survival to endoplasmic reticulum stress."/> Journal <input type="text" value="The Journal of biological chemistry"/> Volume <input type="text" value="281"/> Issue <input type="text" value="36"/> Publication Date <input type="text" value="2006 Sep 8"/> Authors <input type="text" value="Latreille M , Larose L"/> Open Access? <input type="checkbox" value="Yes"/>						
Funding Sources							
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Book Chapters

	Chapter Title	Book Title	Volume	Publishing Status	Date	Refereed?	Contribution Role	Publisher
1	Biochemical analysis of SH2 domains mediated protein interactions.	Methods in Enzymology	254	Published	1995/10	Yes	Co-Author	
2	Carbachol-induced pancreatic short-term desensitization: An heterogenous phenomenon.	Regulatory Peptides in Digestive, Nervous and Endocrine systems Inserm Symposium	25	Published	1985/9	Yes	Co-Author	Elsevier Science Publishers
3	Characterization of a transplantable acinar cell carcinoma of the rat pancreas: Biochemical studies.	Experimental Pancreatic Carcinogenesis" In vitro Carcinogenesis, and Transplantable Pancreatic carcinomas		Published	1985/9	Yes	Co-Author	CRC Press
4	Rat pancreatic muscarinic cholinergic receptors	Hormone Receptors in Digestion and Nutrition		Published	1979/1	Yes	First Listed Author	Elsevier North Holland
5	Development of the sensitivity of the rat pancreatic acini to urecholine: Effect of corticosterone	Brooks and Evers, Nerves and the gut		Published	1977/2	Yes	Co-Author	Slack, Thorofare

Dissertations

	Dissertation Title	Organization	Supervisor	Completion Date
1	Modulation des propriétés du récepteur du facteur natriurétique (ANF-R1) par effet allostérique et phosphorylation. Thèse de doctorat. Département de Pharmacologie, Faculté de Médecine	Université de Montréal	Dr. André De Léan	1991-12-31
2	Étude de la sensibilité du pancréas de rat aux cholinergiques au cours de son développement. Effet de l'acétate de corticostérone.	Université de Sherbrooke	Dr. Jean Morisset	1976-07-30

Working Papers

1	<p>Paper Title</p> <p>Molecular basis of PKR regulation by Nck1 by Abu-Thuraia*, A., M. Selman*, N. Tasmin* and L. Larose. Experiments (90%) and manuscript in progress (60%)</p> <p>Date Completed <input type="text" value="2013-06-01"/></p> <p>Funding Sources</p> <table border="1"> <thead> <tr> <th></th> <th>Funding Organization</th> <th>Funding Reference Number</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Natural Sciences and Engineering Research Council of Canada (NSERC)</td> <td>250215-2012</td> </tr> </tbody> </table>		Funding Organization	Funding Reference Number	1	Natural Sciences and Engineering Research Council of Canada (NSERC)	250215-2012
	Funding Organization	Funding Reference Number					
1	Natural Sciences and Engineering Research Council of Canada (NSERC)	250215-2012					
2	<p>Paper Title</p> <p>Hepatic Akt activity is under the control of the adaptor protein Nck1 BY Li*, H., J. Dusseault and L. Larose. Experiments (95%) and manuscript (85%) in progress.</p> <p>Date Completed <input type="text" value="2013-03-26"/></p> <p>Funding Sources</p> <table border="1"> <thead> <tr> <th></th> <th>Funding Organization</th> <th>Funding Reference Number</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Canadian Institutes of Health Research (CIHR)</td> <td>MOP-115045</td> </tr> </tbody> </table>		Funding Organization	Funding Reference Number	1	Canadian Institutes of Health Research (CIHR)	MOP-115045
	Funding Organization	Funding Reference Number					
1	Canadian Institutes of Health Research (CIHR)	MOP-115045					
3	<p>Paper Title</p>						

Nck2 contributes to the glucose homeostasis by modulating the bone endocrine function by Dusseault*, J., H. Lui and L. Larose. Experiments completed and manuscript in progress (90%).

Date Completed

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1	Canadian Institutes of Health Research (CIHR)	MOP-115045

4

Paper Title

Nck interacts with and modulates PERK activity by Yamani*, L., M., Latreille* and L. Larose. Experiments completed and manuscript in progress (90%).

Date Completed

Funding Sources

	Funding Organization	Funding Reference Number
1	Canadian Diabetes Association	OG-3-07-2321-LL

Draft

Most Significant Contributions to Research and/or to Practical Applications.

Since 1995, my laboratory scrutinizes the role of Src Homology (SH) domains-containing adaptor proteins such as Nck in regulating signaling mechanisms that govern key cellular functions. Our most significant contribution in this field is the discovery of a novel unpredicted role for Nck in regulating translation and signaling mechanisms involved in cell response to stress conditions. Our work has revealed for the first time that the Nck adaptors, not only transduce signal from receptors at the plasma membrane, but also participate in signaling regulating cellular responses from the cytosol and internal membrane compartments where they also localized.

1. *Nck regulates translation and signaling from the endoplasmic reticulum (ER).* We were the first to discover a role for Nck in translation by showing that Nck has a direct effect on the translational machinery through its SH3-mediated direct interaction with the β -subunit of the eukaryotic initiation factor 2 (eIF-2 β) (***Kebache et al., PNAS 99:5406-11, 2002***). Our work demonstrated that Nck is required for optimal protein synthesis and modulates signaling from the PERK translational regulatory component of the ER in response to stress created by the accumulation of misfolded proteins in this organelle (***Kebache et al., J.B.C. 279:9662-71, 2004***). In collaboration with Dr. E. Chevet, we were the first to demonstrate that Nck localized at the ER and controls MAPK activation by the ER (***Nguyen et al., Mol. Cell Biol. 15:4248-4260, 2004***). We made significant progress in elucidating the mechanism by which Nck regulates the ER-induced attenuation of translation in ER stress conditions by demonstrating that Nck, in an eIF2 α -holophosphatase complex containing the phosphatase PP1c and eIF2, contributes to maintain eIF2 α hypophosphorylated (***Latreille and Larose, J.B.C. 281:26633-44, 2006***). In a study in progress we generated evidence that Nck, via its SH2 domain, directly interacts with and modulates PERK activation, an ER eIF2 α -kinase responsible of eIF2 α phosphorylation and transient attenuation of protein synthesis in ER stress conditions (***Yamani et al., In Prep***). Collectively, our findings uncovered a dynamic role for the adaptor proteins Nck in regulating ER signaling initiated under stress conditions.

2. *A role for Nck1 in insulin resistance.* In a recent study, we demonstrated that Nck1 is involved in obesity-induced insulin resistance resulting from abnormal ER-mediated activation of the IRE1 α -JNK signaling pathway due to ER stress in liver and adipose tissue (***Latreille et al., AJP 300(3):E423-34, 2011***). We are in progress to demonstrate that Nck2 also affects insulin sensitivity and glucose homeostasis, but surprisingly through modulation of the endocrine function of the bone (***Dusseault et al., In progress***).

3. *A role for Nck in regulating PKR activation.* We were the first to uncover that Nck regulates the phosphorylation of eIF2 α by HRI and PKR, two other eIF2 α -kinases like PERK (***Cardin et al., FEBS J. 274:5865-75, 2007***). Furthermore, we showed that Nck attenuates eIF2 α phosphorylation by limiting PKR activation and signaling by binding to PKR (***Cardin and Larose, BBRC 377:231-5, 2008***). We further defined the molecular basis underlying Nck and PKR interaction and provided additional evidence supporting that Nck interacts with inactive PKR to limit unwanted PKR activation in physiological conditions. We also demonstrated that in conditions that request PKR activation, PKR-mediated phosphorylation of Nck induces Nck/PKR dissociation, allowing then full PKR activation (***Abu-Thuarria et al., In Prep.***).

4. Besides our main research axis on insulin resistance and diabetes, we recently demonstrated that Nck2 is involved in melanoma-derived tumor growth (***Labelle-Côté et al., BMC Cancer 2011***). The expertise and the unique reagents generated in my laboratory gave raise to fruitful collaborations that established for the first time Nck as an important player in kidney podocytes formation (***Jones et al., Nature 440:818-823, 2006, Li et al., BBRC 349(1):310-6, 2006***), CD3 ϵ signaling (***Brodeur et al., J. Imm. 182:4844-53, 2009***) and receptor tyrosine kinases-induced formation of dorsal ruffles (***JCS 123(8):1306-19, 2010***).

Publications 2006-2012 (Peer-Reviewed)

**denotes trainees supervised or under supervision*

1. Latreille, M.*, Abu-Thuraia*, A., Oliva, R.*, Zuo, D.*, and **L. Larose**. Casein Kinase I γ 2 Impairs Fibroblasts Actin Stress Fibers Formation and Delays Cell Cycle Progression in G1. *Int. J. Cell Biol. Focus Issue on Cytoskeleton Proteins. Volume 2012 (2012) ID 684684, 15 pages. Epub 2012 March 7. Supported by CIHR and CDA*
2. Labelle-Côté*, M., J. Dusseault*, S. Ismail*, A. Picard-Cloutier*, P.M. Siegel and **L. Larose**. Nck2 promotes human melanoma cell proliferation, migration and invasion *in vitro* and primary melanoma-derived tumor growth *in vivo* *BMC Cancer* 11:443-462, 2011 Epub 2011 October 12. *Supported by CIHR*
3. Latreille*, M., M.-K. Laberge*, G. Bourret*, L. Yamani* and **L. Larose**. Deletion of Nck1 attenuates hepatic ER stress signaling, improves glucose tolerance and insulin signaling in liver of obese mice. *Am J Physiol Endocrinol Metab.* 300(3):E423-34, 2011. *Supported by CDA*
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5. Hu, T., G. Shi, **L. Larose**, G.M. Rivera, B.J. Mayer, and R. Zhou. Regulation of Process Retraction and Cell Migration by EphA3 is mediated by the Adaptor Protein Nck1. *Biochemistry.* 14; 48(27):6369-78, 2009
6. Brodeur, J.-F., S. Li, M. da Silva Martins, **L. Larose**, and V. Dave. Critical and multiple roles for the CD3 ϵ intracytoplasmic tail in double negative to double positive thymocyte differentiation. *Journal of Immunology*, 182:4844-53, 2009
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8. Cardin*, E., M. Latreille*, C. Khoury, M.T. Greenwood and **L. Larose**. Nck-1 selectively modulates eIF2 α Ser⁵¹ phosphorylation by a subset of eIF2 α -kinases. *FEBS J.* 274:5865-75, 2007. *Supported by NSERC*
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10. Latreille, M*. and **L. Larose**. Nck in a complex containing the catalytic subunit of protein phosphatase 1 regulates eukaryotic initiation factor 2 α signaling and cell survival to endoplasmic reticulum stress. *J. Biol. Chem.* 281(36): 26633-44, 2006. *Supported by CDA.*
11. Jones, N., I.M. Blasutig, V. Eremina, J. Ruston, F. Bladt, H.Li, H. Huang, **L. Larose**, S.S.-C. Li, T. Tanako, S.E. Quaggin and T. Pawson. Nck adaptors link Nephrin to the actin cytoskeleton of kidneys podocytes. *Nature* 440:818-823, 2006
12. Lettau, M., J. Qian, A. Linkermann, M. Latreille*, **L. Larose**, D. Kabelitz and O. Janssen. The adaptor protein Nck interacts with Fas Ligand: Guiding the death factor to activation clusters and the cytotoxic immunological synapse. *PNAS* 103(15):5911-5916, 2006.

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1. Labelle-Côté*, M., et **L. Larose**. Une protéine uNick en son genre. *Médecine/Sciences: 746-52, 2011. Review Epub 2011 Aug 3. Supported by CIHR*

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1. **Larose, L.**, Regulating the UPR and obesity-induced type 2 Diabetes. Symposium on ER stress, *Oral Presentation*. Experimental Biology 2012, San Diego, CA
2. Dusseault*, J., M. Latreille* and **L. Larose**. Dual Regulation of Glucose Homeostasis by the Adaptor Proteins Nck. *Poster* Experimental Biology 2012, San Diego, USA
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4. Yamani*, L., M. Latreille* and **L. Larose**. PERK phosphorylation on tyrosine 561 delays ER stress-induced PERK activation. *Poster* Experimental Biology 2012, San Diego, USA
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6. Dusseault*, J., and **L. Larose**. Hepatic Insulin Signaling is Regulated by the Adaptor Protein Nck2 *Poster* CDA/CSEM Prof. Conference and Annual Meetings, Toronto, ON October 26-29, 2011
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11. Xiaoquan Xiong, Bing Li, **Louise Larose** and Jun-Li Liu. Pancreatic islet β -cell-specific overexpression of Reg3 β protein causes decreased GLUT2 expression and deteriorated diabetes induced by high-fat diet. *Oral Presentation* Endocrine Society meeting, Boston USA 2011.
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13. Laberge*, M.-K., M. Latreille*, G. Bourret* and **L. Larose**. A Function for Nck-1 in ER Stress-mediated Insulin Resistance. *Poster* Canadian Diabetes Association International Meeting, Montreal, Qc, Canada October 15-18, 2008
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17. Eric Cardin*, Mathieu Latreille*, Chamel Houry, Michael Greenwood and **L. Larose**. Specificity of the effect of Nck on the phosphorylation of eIF2 α by eIF2 α kinases. *Poster*, FEBS Special Meeting on cell signaling, Dubrovnik, Croatie May 2006

Activities: Scientific Meeting Organizing Committees: 4th World Congress Diabetes & Metabolism, Chicago 2013; Signalisation Québec 2003, 2008, 2012; Montreal Diabetes Research Centre Retreat, 2006; International Meeting on Cytoskeleton Dynamics 2006. **Ad hoc Grant Application External Review:** CIHR 2001, 2002; Israel Science Foundation 2012; BMRC-NMRC Grant, Singapore A*STAR; NSERC 1999. **Judge Poster Competition:** MDRC 2009, 2010, 2012, 2013; Annual McGill Graduate Biomedical Conference; 2000, 2002; IRCM Research Day, Montreal; 1997, 1999; Experimental Medicine Annual Research Seminar Day 1997. **Ad hoc Ext. Review :** ACFAS 2013; Soutien aux équipes de recherche du Fonds FCAR 1997. **Chair :** Signalisation Moléculaire ACFAS 1996

Committees: MDRC Steering committee 2011- ; *Exp. Med. Dept.*, McGill University Admission committee 2007-09. 2011; *Environmental Health and Safety* Committee for Anatomy, Dentistry & Polypeptide laboratory 2007- ; *Academic Advisor*, Exp. Med. Dept., McGill University 2007- ; *Genome Animal Facility* Users Committee, Polypeptide and Hormone Laboratory representative 2007- ; *DC Animal Care Committee*, Chair, Faculty of Medicine, McGill University 2002-07; *Montreal Genetics Seminar Series*, McGill Cancer Centre, Co-Organizer 2001-02; *McGill Cytoskeleton Club*, McGill Cancer Centre 2001; *Faculty of Graduate Studies and Research*, Experimental Medicine Dept. Representative 2001.

Presentations as guest speaker: Total: 42

Grant Reviews, Panels: CFI Leaders, FRSQ 2009-present; *CIHR*, Cell Biology and Mechanisms of Diseases 2007-11; *CDA*, Canadian Diabetes Association 2003-07; *CFI/FRSQ*, Canadian Foundation for Innovation 2002-03; *CIHR*, Cancer A Regular member 2000-01; *CIHR*, Cancer A Invited member 1999-2000. **Ad hoc Journal Reviews:** 2013: *Biochemical Journal*; 2012: *BMC Biology*, *Acta Biochemica Polonica*, *iConcept Press*, *Molecular Cancer*. *Therapeutics*, *Diabetes*; 2011: *J. Biol. Chem.*, *Amer. J. Physiol.* 2010: *Amer. J. Physiol.*; 2009: *Diabetes*; 2004, 2005, 2009: *Journal of Biological Chemistry*; 2002: *Journal of Cellular Biochemistry*; 2000: *Canadian Journal of Diabetes Care*, *Oncogene*, and *Biochemistry and Cell Biology*; *Canadian Journal of Diabetes*; 1995: *Gene*.

Editorial Board: 2008- : *Cell Communication and Signaling*. 2009- : *Journal of Signal Transduction*

Awards and Fellowships Reviews: *CDA* Awards and fellowships 2012- ; *MUHC* McGill 2012; Tomlinson Doctoral Awards, McGill 2010; *FRSQ*, Chercheur Boursier Junior 2 2008-11; *FRSQ* Postdoctoral fellowships, President 1997, 2005-08; *MUHC* Fellowships and McGill University 2006-09; *FRSQ* Postdoctoral fellowships, Vice President 2004; *Experimental Medicine Department*, McGill Major and NSERC Applications McGill University 1997-2000; 2002; *IRCM*, Montreal. Internal Studentship Awards 2000; *Medicine Department*, McGill University 1996-2001; *MRC* Grant 1996

Academic Services: *Undergraduate and Graduate teaching:* ~30-36 hours/year at McGill University and Université de Montréal. *Thesis Evaluation:* 44 Ph.D. and 21 M.Sc. *Thesis Graduate Student Committees:* Since 1995, I served on more than 80 committees for graduate students of McGill University , Université de Montréal and Université de Sherbrooke.

Students Supervision: Graduated from my laboratory: 7 M.Sc and 3 Ph.D. students. Actual supervision of 2 Ph.D. and 1 PDF. Undergraduate students: Co-supervision of 3 students, supervision of several McGill Honors students and summer students.

Membership of Professional Societies: Canadian Society of Biochemistry and Molecular Cellular Biology, Canadian Diabetes Association, American Society for Biochemistry and Molecular Biology, Association des Chercheurs Professionnels du Québec, Montreal Diabetes Research Center and Réseau de recherche en santé CardioMétabolique, Diabète et Obésité du FRSQ

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