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Personal Information

Identification

Dr. Catherine Mounier

Correspondence language: English

Sex: Female

Date of Birth: 5/30

Canadian Residency Status: Not Applicable

Applied for Permanent Residency?: No

Country of Citizenship: Canada, France

Identification

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 (*)	Primary Affiliation
Université du Québec à Montréal CP 8888, succursale centre-ville Montreal H3C 3P8 Canada, Quebec	Université du Québec à Montréal Pavillon des sciences biologiques 141 président Kennedy Montréal H2X 3Y7 Canada, Quebec

Telephone

The primary telephone is denoted by (*)

Fax	514-9874647
Work (*)	514-9873000 extension: 8912

Email

The primary email is denoted by (*)

Work (*)	mounier.catherine@uqam.ca
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Website

Community	http://www.biomed.uqam.ca/spip.php?rubrique9
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User Profile

Disciplines Trained In: Cell Biology, Molecular Biology

Research Disciplines: Biochemistry, Cell Biology, Endocrinology

Areas of Research: Breast Cancer, Diabetes, Hormonal Regulation, Lipid/Lipoprotein analysis, Lipid Disorders, Liver, Metabolic Disorders, Metabolism

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

Research Specialization Keywords: Breast Cancer, Adipose tissue, Desaturases, Gene transcription, Hormones, Lipid droplets, Lipids, Liver, Obesity, Signal transduction

Education**Degrees**

1996/9 - 1998/12	Post-doctorate - Postdoctorate - Signal transduction - McGill University - Completed Supervisors: Dr. Barry I. Posner
1994/9 - 1996/9	Post-doctorate - Postdoctorate - Molecular and cellular biology - University of Iowa - Completed Supervisors: Dr. A. G. Goodridge
1989/11 - 1994/6	Doctorate - Doctorat d'université - Molecular and cellular biology - Ecole Nationale Supérieure Agronomique de Rennes - Completed Supervisors: Dr. Madeleine Douaire
1987/9 - 1988/9	Master's Equivalent - Diplôme d'Études Approfondies (DEA) - Molecular Chemistry - Université de Rennes I - Completed Supervisors: Dr. A. Le Corre
1986/9 - 1987/9	Bachelor's - Maîtrise - Biochemistry - Université de Rennes I - Completed Supervisors: Dr. Le Corre
1985/9 - 1987/9	Diploma - Licence - Biochemistry - Université de Rennes I - Completed Supervisors: N/A
1983/9 - 1985/9	Diploma - Diplôme d'Études Universitaires Générales (DEUG) - Biology and Chemistry - Université de Rennes I - Completed Supervisors: N/A

Recognitions

2004/7 - 2005/7	Pratt and Whitney award - Distinction Heart and Stroke Foundation Amount: 5000
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Employment

Academic Work Experience

2012/6 -	Full Professor Université du Québec à Montréal
2003/1 - 2012/5	Associate Professor Université du Québec à Montréal - Sciences biologiques
2010/9 - 2011/8	Visiting professor Université de Nantes - Institut du Thorax-UMR_1087
1999/1 - 2002/12	Research Assistant McGill University - Anatomy and Cell Biology

Affiliations

The primary affiliation is denoted by (*)

(*) 2003/1 -	Full Professor - Sciences biologiques - Université du Québec à Montréal
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Leaves of Absence and Impact on Research

2010-08-02 - 2011-08-22	Sabbatical - Université de Nantes Absence and Impact Description: Research project on lipid droplet formation
2008-09-01 - 2009-07-01	Medical Absence and Impact Description: Sick leave for breast cancer
2004-04-05 - 2004-10-29	Parental Absence and Impact Description: Maternity leave
2001-06-04 - 2002-01-07	Parental Absence and Impact Description: Maternity leave

Research Funding History

Awarded

2013/4 - 2018/3 Principal Applicant	Lipogenesis as a central player for fatty acids deposit	
	Funding Sources	
	2013/4 - 2018/3	Discovery grant Natural Sciences and Engineering Research Council of Canada (NSERC) Total Funding: 215000 (Canadian dollar) Funding Competitive?: Yes
2014/6 - 2015/5 Co-applicant	A female bias in genetic predisposition to visceral obesity	
	Co-applicant : Cathy Vaillancourt; Principal Applicant : Nicolas Pilon	
	Funding Sources	
	2014/6 - 2015/5	Research Initiatives BioMed research Center Total Funding: 5000 (Canadian dollar) Funding Competitive?: Yes
2013/6 - 2014/6	TIC et Classe inversée	

Co-applicant	Co-applicant : Adel Omar Dahmane; Principal Applicant : Vahé Nerguizian Funding Sources 2013/6 - 2014/6 Fodar Fodar - Infrastructure Total Funding: 70000 (Canadian dollar) Funding Competitive?: Yes
2007/3 - 2013/3 Principal Investigator	Role of medium chain fatty acids in the regulation of fatty acid synthase Principal Investigator : Mounier Catherine Funding Sources 2007/3 - 2013/3 Discovery grant Natural Sciences and Engineering Research Council of Canada (NSERC) Total Funding: 180000 (Canadian dollar) Funding Competitive?: Yes
2010/10 - 2012/10 Principal Investigator	Role of PCSK9 in glucose homeostasis and lipid metabolism Co-applicant : Philippe Costet Funding Sources 2010/10 - 2012/10 Collaboration France-Québec Fondation Samuel de Champlain Ministère des Relations Internationales du Québec Total Funding: 35000 (Canadian dollar) Funding Competitive?: Yes
2009/7 - 2012/7 Co-applicant	Novel technology using plant proteins for cryopreservation of mammalian cells for clinical applications Co-applicant : Fathey Sarhan; François Ouellet; Principal Investigator : Averill-Bates, Diana Funding Sources 2009/7 - 2012/7 Collaborative Health research Programme Natural Sciences and Engineering Research Council of Canada (NSERC) Total Funding: 474000 (Canadian dollar) Funding Competitive?: Yes
2011/5 - 2012/5 Co-applicant	Confocal microscope Co-applicant : Benoit Barbeau; Principal Investigator : Eric Rassart Funding Sources 2011/5 - 2012/5 Leaders opportunity funds Canadian Foundation for innovation Total Funding: 774723 (Canadian dollar) Funding Competitive?: Yes

Completed

2007/3 - 2010/3	Hormonal regulation of SCD1 expression: key role in obesity development Principal Investigator : Mounier Catherine
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Principal Investigator	Funding Sources	
	2007/3 - 2010/3	grant-in-aid Heart and Stroke Foundation of Canada (HSFC) Total Funding: 58500 (Canadian dollar) Funding Competitive?: Yes
2008/9 - 2009/9 Co-applicant	Microporation as a new efficient approach for transfection Principal Applicant : Barbeau, Benoit	
	Funding Sources	
	2008/9 - 2009/9	Outils et instruments de recherche - catégorie 1 Natural Sciences and Engineering Research Council of Canada (NSERC) Total Funding: 21815 (Canadian dollar) Funding Competitive?: Yes

Under Review

2014/7 - 2019/6 Principal Applicant	The steroyl CoA esaturase 1 and cancer progression Co-applicant : Eric Rassart; Co-investigator : David Brindley; David Mutch; Jean-Jacques Lebrun; Michel Demeule	
	Funding Sources	
	2014/7 - 2019/5	operating grant Canadian Institutes of Health Research (CIHR) Total Funding: 836795 (Canadian dollar) Funding Competitive?: Yes
2015/1 - 2016/12 Principal Applicant	A female bias in genetic predisposition to visceral obesity Co-applicant : Nicolas Pilon	
	Funding Sources	
	2015/1 - 2016/12	Early Exploration Award Novo Nordisk Diabetes and Obesity Biologics Science Forum Awards Total Funding: 250000 (Canadian dollar) Funding Competitive?: Yes
2014/6 - 2016/6 Principal Applicant	The steroyl CoA esaturase 1 and cancer progression Co-applicant : Eric Rassart; Jean-Jacques Lebrun; Collaborator : David Brindley; David Mutch; Michel Demeule	
	Funding Sources	
	2014/6 - 2016/6	operating grant Cancer Research Society (The) Total Funding: 120000 (Canadian dollar) Funding Competitive?: Yes

Activities

Supervisory Activities

Student/Postdoctoral Supervision

Principal Supervisor	Margaux Cartier-Millaux - Diploma - IUT Dijon - In Progress Student Degree Start Date: 2014/3 Student Degree Expected Date: 2014/6 Project Description: Effect of seipine inhibition on hepatic lipid droplet formation Present Position: IUT student
Principal Supervisor	Solange Vivier - Master's Equivalent - University of Lille - In Progress Student Degree Start Date: 2014/1 Student Degree Expected Date: 2016/6 Project Description: Role of medium chain fatty acid on insulin sensitivity in cells
Principal Supervisor	Simon Lalonde - Master's Thesis - UQAM - In Progress Student Degree Start Date: 2014/1 Student Degree Expected Date: 2015/12 Project Description: Etude du role de la steraoyl CoA desaturase 1 dans le développement metatatic du cancer du sein utilisant un modele de souris immuno-deficientes
Principal Supervisor	Fatma Bouazizi - Doctorate - UQAM - In Progress Student Degree Start Date: 2014/1 Student Degree Expected Date: 2017/12 Project Description: Etude du rôle du gène SCD1 dans les métastases du cancer du sein
Principal Supervisor	Frederik Desmarais - Master's Thesis - UQAM - In Progress Student Degree Start Date: 2014/1 Student Degree Expected Date: 2015/12 Project Description: Etude de la fonction anti-inflammatoire de l'apolipoprotéine D dans un modèle de souris transgéniques développant une stéatose hépatique
Principal Supervisor	Lamia Bouraoui - Post-doctorate - UQAM - Completed Student Degree Start Date: 2013/1 Student Degree Received Date: 2014/3 Project Description: SCD1 and its effect in metastasis development in breast cancer. Metabolic profile of severely obese women Present Position: Post doctorate associate
Principal Supervisor	Sabri Rial - Master's Thesis - UQAM - In Progress Student Degree Start Date: 2013/1 Student Degree Expected Date: 2014/12 Project Description: Effect of hexanoate on insulin sensibility of hepatic cells Present Position: MSc. Student
Co-Supervisor	Vadim Liachenko - Bachelor's - UQAM - In Progress Student Degree Start Date: 2012/12 Student Degree Expected Date: 2013/4 Project Description: Evaluation by confocale microscopy of ghrelin effect on lipid infiltration in HepG2 cells Present Position: BSc Student

Principal Supervisor	Vincent Fleck - Master's Equivalent - Université de la réunion - In Progress Student Degree Start Date: 2012/9 Student Degree Expected Date: 2014/6 Project Description: Role of SCD1 and seipin in insulin sensitivity in liver Present Position: Master student
Principal Supervisor	Océane Réale - Master's Equivalent - ecole Nationale supérieure d'agronomie-Rennes-France - In Progress Student Degree Start Date: 2012/9 Student Degree Expected Date: 2014/8
Principal Supervisor	Simon Lalonde - Bachelor's - UQAM - In Progress Student Degree Start Date: 2012/9 Student Degree Expected Date: 2013/6 Project Description: Study of SCD1 and seipin interaction: Role in lipid metabolism in liver Present Position: BSc Student
Principal Supervisor	Guillaume Moreau - Bachelor's - UQAM - In Progress Student Degree Start Date: 2011/9 Student Degree Expected Date: 2014/6
Principal Supervisor	Amir Chatri - Bachelor's - UQAM - In Progress Student Degree Start Date: 2011/9 Student Degree Expected Date: 2014/6
Principal Supervisor	Eva Logatto - Bachelor's Equivalent - Université de Pharmacie-Montpellier - In Progress Student Degree Start Date: 2011/6 Student Degree Expected Date: 2014/6 Project Description: Role of Apolipoproteine D in prostaglandin synthesis Present Position: Bachelor student
Principal Supervisor	Sana Rafari - Bachelor's - UQAM - In Progress Student Degree Start Date: 2011/1 Student Degree Expected Date: 2014/6
Principal Supervisor	Logatto Eva - Bachelor's - Université de Montpellier - In Progress Student Degree Start Date: 2011/9 Student Degree Expected Date: 2014/6 Present Position: Étudiante-Faculté de Pharmacie-Université de Montpellier
Principal Supervisor	Paquin Ariane - Bachelor's - Université du Québec à Montréal - In Progress Student Degree Start Date: 2010/1 Student Degree Expected Date: 2013/12 Present Position: Étudiant BSc. Biologie-UQAM
Principal Supervisor	Rial Sabri - Bachelor's - Université du Québec à Montréal - In Progress Student Degree Start Date: 2009/1 Student Degree Expected Date: 2012/12 Present Position: Étudiant BSc. Biologie-UQAM
Principal Supervisor	Papineau Freddy - Bachelor's Equivalent - IUT Brest-France - All But Degree Student Degree Start Date: 2011/9 Student Degree Expected Date: 2013/6 Present Position: Étudiant IUT Brest-France

Co-Supervisor	Lacombe Simon - Bachelor's - Université du Québec à Montréal - In Progress Student Degree Start Date: 2010/9 Student Degree Expected Date: 2013/4 Present Position: Etudiant BSc Biochimie-UQAM
Principal Supervisor	Sabir Meriem - Master's Equivalent - Université de Casablanca - In Progress Student Degree Start Date: 2010/9 Student Degree Expected Date: 2012/9 Present Position: Étudiante Université de Casablanca-Maroc
Principal Supervisor	Boivin Caroline - Diploma - Cégep St Jean Sur Richelieu - Completed Student Degree Start Date: 2010/9 Student Degree Received Date: 2012/6 Present Position: Étudiante Cégep St Jean sur Richelieu
Principal Supervisor	Fernandez Molina Giselle - Master's Thesis - Université du Québec à Montréal - In Progress Student Degree Start Date: 2011/9 Student Degree Expected Date: 2013/9 Present Position: Master student
Principal Supervisor	Mohamed Lounis Amine - Doctorate - Université du Québec à Montréal - In Progress Student Degree Start Date: 2011/9 Student Degree Expected Date: 2015/9 Project Description: This study aims to understand the role of lipid desaturation in the formation of lipid droplets in liver. The student will also study the role of the new identified protein Seipin in lipid droplet formation Present Position: PhD student
Principal Supervisor	Thiery Maxime - Master's Thesis - Université du Québec à Montréal - In Progress Student Degree Start Date: 2011/9 Student Degree Expected Date: 2013/6 Project Description: Analysis of lipid metabolism in ApoD transgenic mice Present Position: Master student
Principal Supervisor	Fédronie Carèle - Master's Equivalent - Ecole nationale supérieure d'agronomie de Rennes-France - All But Degree Student Degree Start Date: 2010/9 Student Degree Expected Date: 2013/5 Present Position: Étudiante école d'ingénieur
Principal Supervisor	Mommert Marine - Bachelor's Equivalent - IUT Dijon-France - Completed Student Degree Start Date: 2009/9 Student Degree Received Date: 2011/5 Present Position: Étudiante MSc-France
Principal Supervisor	Gobeil Marie-Odile - Bachelor's - Université du Québec à Montréal - Completed Student Degree Start Date: 2009/9 Student Degree Received Date: 2012/6
Principal Supervisor	Roux Pierre-François - Master's Equivalent - Ecole nationale supérieure d'agronomie de Rennes-France - All But Degree Student Degree Start Date: 2009/9 Student Degree Expected Date: 2012/5 Present Position: Étudiant école d'ingénieur

Principal Supervisor	Desnoyers Marc-André - Bachelor's - Université du Québec à Montréal - Completed Student Degree Start Date: 2008/9 Student Degree Received Date: 2011/5
Principal Supervisor	Labrie Marilyne - Master's Thesis - Université du Québec à Montréal - Completed Student Degree Start Date: 2009/9 Student Degree Received Date: 2011/7 Present Position: PhD student-Institut Armand Frappier-Laval-Québec
Principal Supervisor	DoCarmo Sonia - Post-doctorate - Université du Québec à Montréal - Completed Student Degree Start Date: 2009/9 Student Degree Received Date: 2010/7 Project Description: Cryopreservation of beta-pancreatic cells Present Position: Postdoctoral fellow
Principal Supervisor	Arnaud Marie-Pierre - Master's Equivalent - Ecole nationale supérieure d'agronomie de Rennes-France - Completed Student Degree Start Date: 2008/9 Student Degree Received Date: 2011/5 Present Position: PhD student-Université de Rennes I
Co-Supervisor	Labrie Maryline - Bachelor's - Université du Québec à Montréal - Completed Student Degree Start Date: 2006/9 Student Degree Received Date: 2009/6 Present Position: Étudiante Phd-Institut Armand Frappier
Principal Supervisor	Lavois Damien - Master's Equivalent - Ecole nationale supérieure d'agronomie de Rennes-France - Completed Student Degree Start Date: 2007/9 Student Degree Received Date: 2010/6 Present Position: Ingénieur Agronome
Principal Supervisor	Coté L'Écuyer Simon - Bachelor's - Université du Québec à Montréal - Completed Student Degree Start Date: 2006/9 Student Degree Received Date: 2009/5 Present Position: Enseignant au CEGEP
Principal Supervisor	Larocque Émilie - Bachelor's - Université du Québec à Montréal - Completed Student Degree Start Date: 2006/9 Student Degree Received Date: 2009/5 Present Position: Étudiante Phd-Université de Montréal
Principal Supervisor	Prévost Michèle - Master's Thesis - Université du Québec à Montréal - Completed Student Degree Start Date: 2007/9 Student Degree Received Date: 2009/6 Present Position: PHD Biology- University Ottawa
Principal Supervisor	Ducheix Simon - Master's Equivalent - Ecole nationale supérieure d'agronomie de Rennes-France - Completed Student Degree Start Date: 2006/9 Student Degree Received Date: 2009/7 Present Position: PhD student-Université de Montpellier

Principal Supervisor	Michel Vincent - Bachelor's - Université du Québec à Montréal - Completed Student Degree Start Date: 2006/9 Student Degree Received Date: 2009/5
Principal Supervisor	Mauvoisin Daniel - Doctorate - Université du Québec à Montréal - Completed Student Degree Start Date: 2006/9 Student Degree Received Date: 2011/9 Present Position: Post doctoral fellow- Université de Lausanne

Community and Volunteer Activities

2009/9 - Member of the board of directory	École internationale Marie de France Activity Description: Main decision for the school from academic aspect to financial aspect
2008/9 - 2012/10 Member of parent association	École internationale Marie de France Activity Description: Organization of activities in the school including help for new parents, sport activities, annual fest etc...

International Collaboration Activities

2010-04-05 - Collaborator	France Activity Description: Collaboration with researchers at the Institut du Thorax INSERM UMR_187 in Nantes. Two projects supported with Samuel de Champlain Funding France-Quebec. One project on PCSK9 and lipid homeostasis and another project on the role of seipin and stearyl CoA desaturase 1 in lipid droplets
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Contributions

Presentations

2014-02-20	"Caractérisation du tissu adipeux du ligament rond chez des femmes massivement obèses dyslipidémiques ou non dyslipidémiques.", Réunion scientifique annuelle 2014 de la SQLNM, du CMDO du FRQS et du Congrès COLoSUS., Canada, Quebec, Quebec Main Audience: Researcher
2013-09-20	"The Stearyl CoA desaturase 1 and the development of metastasis in cancer.", 54th ICBL conference, Italy, Bari Main Audience: Researcher
2013-04-18	"Ghrelin, a mediator of lipid infiltration in the liver.", 5th International Congress on Prediabetes and the Metabolic Syndrome, Austria, Vienna Main Audience: Researcher
2012-10-15	"La stéaryl CoA desaturase 1 et son rôle dans la pathogénèse", Seminar series of the INSERM unit 870., France, Lyon-France Main Audience: Researcher
2012-05-08	Mauvoisin D., Charfi C. and Rassart E., "Rôle de la stéaryl CoA désaturase 1 dans le développement de métastases dans le cancer du sein", 80ième congrès de l'ACFAS- Montréal,, Canada, Quebec, Montreal Main Audience: Researcher Invited?: Yes

2012-05-08	Lounis M. A., Magré J, "Rôle de SCD1 et de la seipine dans la formation hépatique des gouttellettes lipidiques", 80ième congrès de l'ACFAS- Montreal, Canada, Quebec, Montreal Main Audience: Researcher Invited?: Yes
2012-05-08	Do Carmo S., Labrie M., Lafond J. and Rassart E., "L'Apolipoprotéine D est impliquée dans le métabolisme lipidique et est modulée durant la grossesse", 80ième congrès de l'ACFAS- Montreal, Canada, Quebec, Montreal Main Audience: Researcher Invited?: Yes
2012-05-07	Fernandez Molina G, Fedronie C., Sabir M., "Mécanismes d'action non-génomique de la triiodothyronine (T3) et de l'hexanoate (C6) régulant l'expression de la Synthétase des Acides Gras (FAS).", 80ième congrès de l'ACFAS. Montreal, Canada, Quebec, Montreal Main Audience: Researcher Invited?: No
2012-04-26	Lounis M. A., Prieur X., Magré J, "Rôle de SCD1 et de la seipine dans la formation hépatique des gouttellettes lipidiques", 8ième congrès de BioMed-Montreal, Canada, Quebec, Montreal Main Audience: Researcher Invited?: No
2012-03-25	"Seipin-deficient mice are lipodystrophic, diabetic and display post-prandial triglyceride clearance impairment", XVI international conference on atherosclerosis, Australia, Sydney Main Audience: Researcher Invited?: Yes
2012-02-03	Averill-Bates DA, Robinson I, Grondin M, Ali Benali MA, Ouellet F and Sarhan F., "Cryopreservation of insulin-secreting INS832/13 cells using plant protein extracts", Extreme CRYO Symposium Edmonton, Canada, Alberta, Edmonton Main Audience: Researcher Invited?: Yes
2011-11-29	"Un élément clef de la lipogenèse : La stearoyl CoA desaturase 1", Seminar series of Groupe de recherche en the activité Physique adaptée. Université du Québec à Montréal, Canada, Quebec, Montreal Main Audience: Researcher Invited?: Yes
2011-06-28	"L'apprentissage par problème", Faculté des Sciences. Université de Nantes. Teaching seminar, France, Nantes Main Audience: Knowledge User Invited?: Yes
2011-05-13	Mauvoisin D., "Stearoyl-CoA Desaturase-1 SCD1 a key enzyme of lipid metabolism", Seminar series. Department of Pharmacology et Toxicology. Université de Lausanne (UNIL), Switzerland, Lausanne Main Audience: Researcher Invited?: Yes

2011-04-27	Mauvoisin D., Caron-Jobin M., Nolin C., Michaud A., Veilleux A., Noel S., Fortier M., Julien P., Tchernof A., "Role de la Stéaroyl-CoA Désaturase-1 (SCD1) dans le tissu adipeux chez la femme.", 7ième congrès de BioMed- Montreal, Canada, Quebec, Montreal Main Audience: Researcher Invited?: No
2011-04-27	Labrie M, Desnoyers M-A, Rassart E, "Rôle de l'apolipoprotéine D dans le métabolisme des lipides", 7ième congrès de BioMed- Montreal, Canada, Quebec, Montreal Main Audience: Researcher Invited?: No
2011-03-10	"Problem based teaching", Dipartimento di Scienze Farmacologiche. Università degli Studi di Milano. Teaching seminar series, Italy, Milano Main Audience: Knowledge User Invited?: Yes
2011-03-10	"Regulation of lipogenesis: Importance for obesity", Dipartimento di Scienze Farmacologiche. Università degli Studi di Milano. Research seminar series, Italy, Milano Main Audience: Researcher Invited?: Yes
2011-02-15	"Un élément clef de la lipogenèse : La stearoyl CoA desaturase 1", AGROCAMPUS OUEST - Institut supérieur des sciences agronomiques, agroalimentaires, horticoles et du paysage- Research seminar, France, Rennes Main Audience: Researcher Invited?: Yes
2010-12-17	"La lipogenèse : Un acteur méconnu du syndrome métabolique.", Université de Nantes. Unité INSERM U915. Research seminar series, France, Nantes Main Audience: Researcher Invited?: Yes
2010-06-12	"L'aliment qui empêche de grossir", Festival des sciences Euréka, Canada, Quebec, Montreal Main Audience: General Public Invited?: Yes
2010-05-10	Mauvoisin D, Prévost M, Ducheix S, Arnaud M.P., "Régulation de l'expression de la Stéaroyl-Coa desaturase-1 par la leptine : rôle clé de la voie ERK1/2", 78ième congrès de l'ACFAS- Montreal, Canada, Quebec, Montreal Main Audience: Researcher Invited?: No
2010-04-28	Mauvoisin D, Arnaud M.P., Scaglia N, Igal A, "Impact de la modification de l'expression de la SCD1 sur le potentiel métastatique et invasif du cancer du sein", 6ième congrès de BioMed- Montreal, Canada, Quebec, Montreal Main Audience: Researcher Invited?: No

Publications

Journal Articles

2014/8 Published First Listed Author	Mounier C, Bouraoui L, Rassart E., "Lipogenesis in cancer progression", International Journal of Oncology, 45(2), 485-492 Refereed?: Yes Number of Contributors: 3
2014/6 Submitted Last Author	"Transgenic mice overexpressing apolipoprotein D develop hepatic steatosis through activation of peroxisome proliferator-activated receptor gamma", Journal of lipids Research Refereed?: Yes Number of Contributors: 6
2014/3 Published Co-Author	Desjarlais M., Pratt J, Lounis A., Mounier C., Haidara K and Annabi B, "Tetracycline derivative minocycline inhibits autophagy and inflammation in concanavalin-a-activated human hepatoma cells", Gene Regul Syst Bio, 4(8), 63-73 Refereed?: Yes Number of Contributors: 6
2013/8	Prieur X , Dollet L , Takahashi M , Nemani M , Pillot B , Le May C , Mounier C , Takigawa-Imamura H , Zelenika D , Matsuda F , Fève B , Capeau J , Lathrop M , Costet P , Cariou B , Magré J, "Thiazolidinediones partially reverse the metabolic disturbances observed in Bcl2/seipin-deficient mice.", Diabetologia, 56(8)
2013/4	Grondin M , Robinson I , Do Carmo S , Ali-Benali MA , Ouellet F , Mounier C , Sarhan F , Averill-Bates DA, "Cryopreservation of insulin-secreting INS832/13 cells using a wheat protein formulation.", Cryobiology, 66(2)
2013/1	Mauvoisin D , Charfi C , Lounis AM , Rassart E , Mounier C, "Decreasing stearyl-CoA desaturase-1 expression inhibits β -catenin signaling in breast cancer cells.", Cancer science, 104(1)
2012/1	Caron-Jobin M , Mauvoisin D , Michaud A , Veilleux A , Noël S , Fortier MP , Julien P , Tchernof A , Mounier C, "Stearic acid content of abdominal adipose tissues in obese women.", Nutrition & diabetes, 2
2011/1 Published Co-Author	"Antioxydant and anti-inflammatory activities from Galls <i>Guiera senegalensis</i> J. F. Gmel (Combretaceae).", Research Journal of Medicinal Plant, 5(4), 448-461 Refereed?: Yes Number of Contributors: 7
2011/1	Mauvoisin D , Mounier C, "Hormonal and nutritional regulation of SCD1 gene expression.", Biochimie, 93(1)
2010/11	Akpa MM , Point F , Sawadogo S , Radenne A , Mounier C, "Inhibition of insulin and T3-induced fatty acid synthase by hexanoate.", Lipids, 45(11)
2010/5	Mauvoisin D , Prévost M , Ducheix S , Arnaud MP , Mounier C, "Key role of the ERK1/2 MAPK pathway in the transcriptional regulation of the Stearyl-CoA Desaturase (SCD1) gene expression in response to leptin.", Molecular and cellular endocrinology, 319(1-2)

Book Chapters

Submitted First Listed Author	"Hormone actions, cellular mechanism of peptide hormones and growth factors", Encyclopedia of Endocrine Diseases(3), Elsevier Refereed?: Yes Authors: Mounier C. and Posner B.I
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Conference Publications

2014/8 Submitted Last Author	Lounis, MA, Lalonde S. and Mounier C., "Stearoyl CoA desaturase 1 (SCD1) and Seipin: Important players in hepatic steatosis?" Poster FEBS-EMBO 2014 Invited?: No
2014/8 Submitted Last Author	Fatma Bouazizi ,Margaux Cartier-Millon, Catherine Mounier, "Role of EGF and TGF beta in modulating the expression of the stearoyl CoA desaturase 1 in association with metastatic breast cancer development" Poster FEBS-EMBO 2014 Invited?: No
2014/5 Published Last Author	Lounis MA, Lalonde S, Prieur X., Magré J et Mounier C., "La seipine jouerait-elle un rôle direct dans la formation de la stéatose hépatique?" Abstract Colloque sur la recherche en santé à l'UQAM. 20-21 mai 2014 Invited?: No
2014/5 Published Co-Author	Radhi Mhiri, Maarouf Saad, Vahé Nerguizian, Catherine Mounier and Adel Omar Dahmane, "L'apprentissage multimodal mobile" Abstract Colloque international sur la Recherche-Action en Pédagogie Universitaire Invited?: Yes
2014/5 Published Last Author	Rial SA, Vivier S, Benchouchou, M. and Mounier C, "Effets de l'hexanoate, un acide gras à chaîne moyenne sur l'anabolisme des lipides et la sensibilité à l'insuline au niveau des hépatocytes." Poster Colloque sur la recherche en santé à l'UQAM Invited?: No
2014/4 Accepted Last Author	"Effects of Seipin inhibition on hepatic lipid metabolism and insulin responses" Poster IRCM Symposium: "Metabolic Disorders"
2014/4 Accepted Last Author	"Effects of hexanoate (C6#:0), on insulin sensitivity In HepG2 cells." Poster IRCM Symposium: "Metabolic Disorders"
2014/4 Accepted Last Author	"Modulation of ApoD expression in massively obesese women dyslipidemic and non dyslipidemic." Poster IRCM Symposium: "Metabolic Disorders"
2014/2 Accepted Last Author	"EFFETS DE L'INHIBITION DE LA SEIPINE SUR LE MÉTABOLISME LIPIDIQUE HÉPATIQUE ET LA RÉPONSE À L'INSULINE" Poster Réunion scientifique annuelle 2014 de la SQLNM, du CMDO du FRQS et du Congrès COLoSUS.
2014/2 Accepted Last Author	"Modulation de l'expression de l'ApoD chez les femmes massivement obèses dyslipidémiques et non dyslipidémiques" Poster Réunion scientifique annuelle 2014 de la Société québécoise de lipidologie, de nutrition et de métabolisme SQLNM, du CMDO du FRQS et du Congrès COLoSUS

2014/2 Accepted Last Author	"EFFETS DE L'HEXANOATE (C6#:0), UN ACIDE GRAS A CHAINE MOYENNE, SUR LA SENSIBILITE À L'INSULINE DES CELLULES D'HEPATOCARCINOMES HUMAIN HEPG2." Poster Réunion scientifique annuelle 2014 de la SQLNM, du CMDO du FRQS et du Congrès COLosSUS
2013/9 Accepted Last Author	"Stearoyl CoA desaturase 1 (SCD1) and Seipin and the formation of hepatic lipid droplets." Poster 54th ICBL conference
2013/7 Accepted First Listed Author	Mounier C., Mauvoisin D., Charfi C., Lounis M., Bouraoui L. and Rassart E, "Role of the stearoyl CoA desaturase I in the development of metastasis in breast cancer." Poster Gordon Research Conference- Molecular and cellular biology of lipids Invited?: No
2013/5 Accepted Last Author	"Effet de l'hexanoate sur le métabolisme hépatique des lipides." Poster 14ième congrès de la SQLNM.
2013/5 Accepted Last Author	"Implication de la seipine au niveau du métabolisme du métabolisme lipidique hépatique et de la sensibilité à l'insuline." Poster 9ième congrès de BioMed
2013/5 Accepted Last Author	"La stearoyl CoA desaturase et la seipine : Un rôle clef dans la formation de la stéatose hépatique?" Poster 14ième congrès de la SQLNM
2013/5 Accepted Last Author	"Effet de l'hexanoate sur le métabolisme hépatique des lipides." Poster 9ième congrès de BioMed
2013/5 Accepted Last Author	"La stearoyl CoA desaturase et la seipine : Un rôle clef dans la formation de la stéatose hépatique?" Poster 9ième congrès de BioMed
2013/5 Accepted Last Author	"Rôle de stearoyl-COA desaturase-1 (SCD1) dans le développement métastatique du cancer du sein." Poster 14ième congrès de la SQLNM
2013/5 Accepted Last Author	"Rôle de stearoyl-COA desaturase-1 (SCD1) dans le développement métastatique du cancer du sein." Poster 9ième congrès de BioMed.
2013/5 Accepted Last Author	"Implication de la seipine au niveau du métabolisme du métabolisme lipidique hépatique et de la sensibilité à l'insuline." Poster 14ième congrès de la SQLNM
2013/4 Accepted Last Author	Lounis A., Lalonde S., Rial S., Prieur X., Costet P., Magré J., Mounier C. Travel Award for MA Lounis, "Stearoyl CoA desaturase 1 (SCD1) and Seipin: Important players in hepatic steatosis?" Poster ASBMB annual meeting Invited?: No
2013/4 Accepted Last Author	St- Pierre DH, Lounis M, Lalonde S., Coderre D., Karelis A., Tang A. and Mounier C., "Ghrelin, a mediator of lipid infiltration in the liver." Poster 5th International Congress on Prediabetes and the Metabolic Syndrome Invited?: No

2012/10 Published Co-Author	Prieur X., Takahashi M., Nemani M., Pillot B., Mounier C., Fève B., Capeau J., Lathrop M., Cariou B., Costet P. and Magré J., "Treatment with PPAR γ agonist pioglitazone improves some of the metabolic abnormalities in Bcl2 ^{-/-} mice." Abstract 9 ^{ème} Congrès de Lipidomique "Lipides & Maladies Métaboliques. Invited?: Yes
2012/8 Published Last Author	Lounis AM., Rial S., Costet P., Prieur X., Magré J. and Mounier C, "Stearoyl CoA desaturase 1 (SCD1) and Seipin: Two key players in the formation of hepatic lipid droplets" Poster FEBS-lipids workshop: From lipidomics to disease and green energy- Spetses, Greece
2012/8 Published First Listed Author	Mounier C., Lounis AM., Rial S., Costet P., Prieur X., Magré J, "Stearoyl CoA desaturase 1 (SCD1) and Seipin: Two opposite players in the formation of hepatic lipid droplets." Poster ASBMB. Special symposia series. Frontiers in Lipids biology-Banff-Alberta-Canada
2012/5 Published Last Author	Fernandez Molina G, Fedronie C., Sabir M. and Mounier C., "Mécanismes d'action non-génomique de la triiodothyronine (T3) et de l'hexanoate (C6) régulant l'expression de la Synthétase des Acides Gras (FAS)." Poster 13 ^{ème} congrès de la SQLNM-Québec-Québec
2012/5 Published Last Author	Lounis M. A., Prieur X., Magré J. and Mounier C., "Rôle de SCD1 et de la seipine dans la formation hépatique des gouttelles lipidiques" Poster 13 ^{ème} congrès de la SQLNM-Québec-Québec-Canada
2012/5 Published Last Author	Thiery M., Labrie M., Rassart E. et Mounier C., "Rôle de l'apolipoprotéine D dans le métabolisme des lipides." Poster 13 ^{ème} congrès de la SQLNM- Château Bonne Entente, Québec, Québec
2012/5 Published Co-Author	Prieur X., Takahashi M., Nemani M., Pillot B., Mounier C., Fève B., Capeau J., Lathrop M., Cariou B., Costet P. and Magré J., "Seipin-deficient mice are lipodystrophic, hypotriglyceridemic and present with diabetic cardiomyopathy." Abstract XVI international conference on atherosclerosis. Milano, Italy Invited?: Yes
2012/4 Published Co-Author	Lalonde S, Lounis MA, Mounier C. and St Pierre DH, "Effet de la ghréline sur l'expression hépatique des récepteurs nucléaires PPARs." Poster 8 ^{ème} congrès de BioMed-Montréal-Québec-Canada
2012/4 Published Last Author	Lounis M. A., Prieur X., Magré J. and Mounier C., "Rôle de SCD1 et de la seipine dans la formation hépatique des gouttelles lipidiques" Abstract 8 ^{ème} congrès de BioMed-Montréal-Québec-Canada
2012/4 Published Last Author	Thiery M., Labrie M., Rassart E. et Mounier C., "Rôle de l'apolipoprotéine D dans le métabolisme des lipides." Poster 8 ^{ème} congrès de BioMed. Montréal, Québec. Canada
2012/4 Published Last Author	Fernandez Molina G, Fedronie C., Sabir M and Mounier C., "Mécanismes d'action non-génomique de la triiodothyronine (T3) et de l'hexanoate (C6) régulant l'expression de la Synthétase des Acides Gras (FAS)." Poster 8 ^{ème} congrès de BioMed- Montréal, Québec- Canada

2012/3 Published Co-Author	Prieur X., Takahashi M., Nemani M., Pillot B., Mounier C., Zelenika D., Fève B., Capeau J., Lathrop M., Costet P., Cariou B. and Magré J., "Les souris déficientes en seipine sont lipoatrophiques, insulino-résistantes, mais hypotriglycéridémiques." Poster SFD/ALFEDIAM. Nice, France
2012/3 Published Co-Author	Prieur X., Takahashi M., Nemani M., Pillot B., Mounier C., Fève B., Capeau J., Lathrop M., Cariou B., Costet P. and Magré J., "Seipin-deficient mice are lipodystrophic, diabetic and display post-prandial triglyceride clearance impairment" Abstract XVI international conference on atherosclerosis.
2012/3 Published Last Author	Fernandez Molina G, Fedronie C. and Mounier C, "Mécanismes d'action non-génomique de la triiodothyronine (T3) et de l'hexanoate (C6) régulant l'expression de la Synthétase des Acides Gras (FAS)." Poster Deuxième journée scientifique du Groupe de Recherche en Activité Physique Adaptée- Montréal, Québec. Canada
2011/10 Published Co-Author	Labrie M, Mounier C et Rassart E, "Transgenic mice overexpressing apolipoprotein D develop hepatic steatosis through activation of the adipogenic nuclear receptor PPAR γ " Poster Congrès de l'Institut de recherche clinique de Montréal- Montréal, Qc, Canada
2011/5 Published First Listed Author	Mounier C, Mauvoisin D.; Caron-Jobin M. ; Tchernof A, "Stearoyl CoA desaturase 1 (SCD1) in adipose tissue of obese women." Poster Keystone symposia on lipid biology and lipotoxicity. Killarney, Co. Kerry, Ireland
2011/5 Published Last Author	Labrie M., Rassart E, Mounier C, "Transgenic mice overexpressing apolipoprotein D develop hepatic steatosis through overexpression and activation of the nuclear receptor PPAR γ ." Poster Keystone symposia on lipid biology and lipotoxicity-Killarney, Co. Kerry, Ireland
2010/8 Published Last Author	Daniel Mauvoisin, Michèle Prévost, Simon Ducheix, Marie-Pierre Arnaud, Catherine Mounier, "Key role of the ERK1/2 MAPK pathway in the transcriptional regulation of the stearoyl-CoA desaturase (SCD1) gene expression in response to leptin" Abstract International conference on the bioscience of lipids-Bilbao-Spain
2010/8 Published Last Author	Floriane Point, Murielle Akpa, Anne Radenne, Catherine Mounier, "Inhibition of fatty acid synthase by the acyl-CoA hexanoate: a transcriptional effect" Abstract International conference on the bioscience of lipids-Bilbao-Spain
2010/8 Published Co-Author	Grondin M., Do Carmo S., Robinson I., Ouellet F., Mounier C., Averill-Bates D. A. and Sarhan F., "Development of a cryopreservation protocol for pancreatic cells using plant extracts" Poster Plant Biology 2010. Joint Annual Meeting of the American Society of Plant Biologists & the Canadian Society of Plant Physiologists. Montreal. Québec-Canada
2010/6 Published Co-Author	Caron-Jobin M., Michaud A., Mauvoisin D., Veilleux A., Noel S., Fortier M., Mounier C., Julien P., Tchernof A., "Fatty acid composition of abdominal adipose tissues in women with visceral obesity." Poster ENDO 2010. 92nd Annual Meeting. San Diego, CA- USA
2010/5 Published Last Author	Labrie M, Rassart E et Mounier C, "Rôle de l'apolipoprotéine D dans le métabolisme du glucose et des lipides" Poster 11ième congrès de la SQLNM-Château Bonne Entente, Québec, Québec-Canada

2010/5 Published Last Author	Mauvoisin D, Arnaud M.P., Scaglia N , Igal A et Mounier C., "Impact de la modification de l'expression de la SCD1 sur le potentiel métastatique et invasif du cancer du sein" Poster 11ième congrès de la SQLNM- Château Bonne Entente, Québec, Québec
2010/5 Published Last Author	Labrie M, Rassart E et Mounier C, "Rôle de l'apolipoprotéine D dans le métabolisme du glucose et des lipides" Poster 78ième congrès de l'ACFAS- Montréal- Québec- Canada
2010/5 Published Last Author	Point F, Akpa M, Radenne A et Mounier C., "Régulation de la synthétase des acides gras (FAS) par la triiodothyronine (T3), l'insuline et l'acide gras à moyennes chaines C6" Poster 11ième congrès de la SQLNM- Château Bonne Entente, Québec, Québec
2010/4 Published Last Author	Point F, Akpa M, Radenne A et Mounier C., "Régulation de la synthétase des acides gras (FAS) par la triiodothyronine (T3), l'insuline et l'acide gras à moyennes chaines C6" Poster 6ième congrès de BioMed-Montréal-Québec-Canada
2010/4 Published Last Author	Labrie M, Rassart E et Mounier C., "Rôle de l'apolipoprotéine D dans le métabolisme du glucose et des lipides." Poster 6ième congrès de BioMed- Montréal, Québec.Canada
2009/7 Published Last Author	Mauvoisin D., Prévost M., Ducheix S., Labrie M., and Mounier C, "Key role of the p44/42 MAPK pathway in the transcriptional regulation of the Stearoyl-CoA Desaturase (SCD1) gene expression in response to leptin" Poster 6th GERLI lipidomics meeting-Agrocampus ouest. Rennes. France
2009/7 Published Last Author	Mauvoisin D., Prévost M., Ducheix S., Labrie M., and Mounier C., "Key role of the p44/42 MAPK pathway in the transcriptional regulation of the Stearoyl-CoA Desaturase (SCD1) gene expression in response to leptin" Poster Gordon Research Conference on molecular and cellular biology of lipids. Waterville Valley Resort, Waterville Valley, NH, USA