



Protected when completed

**Date Submitted:** 2021-10-30 16:19:43

**Confirmation Number:** 1383756

**Template:** NSERC\_Researcher

---

## **Dr. Alexandre Fiset**

Correspondence language: French

### **Contact Information**

The primary information is denoted by (\*)

#### **Address**

Primary Affiliation (\*)

Université du Québec à Trois-Rivières  
3351 boul. des Forges, C.P. 500  
Trois-Rivières Quebec G9A 5H7  
Canada

#### **Telephone**

Work (\*)                      819-376-5011 extension: 3891

#### **Email**

Work (\*)                      alexandre.fisette@uqtr.ca



Protected when completed

## Dr. Alexandre Fiset

---

### Language Skills

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

### Degrees

- 2020/9 Post-doctorate, Neuroendocrinology - CIHR fellowship (7th/672), Helmholtz Zentrum Munich  
Supervisors: Cristina Garcia-Caceres, 2017/5 - ; Matthias Tschöp, 2017/5 -
- 2017/3 Post-doctorate, Neurobiology of obesity - Canadian Diabetes Association fellowship (4th/81), Université de Montréal  
Supervisors: Stephanie Fulton, 2013/12 - ; Thierry Alquier, 2013/12 -
- 2013/12 Doctorate, Physiology and Endocrinology (CIHR grant, percent rank:18.05%, FRQS grant: 2nd/18, Honor Board), Université Laval  
Supervisors: Katherine Cianflone, 2010/1 -
- 2009/11 Master's Thesis, Physiology and Endocrinology (Honor Board), Université Laval  
Supervisors: Katherine Cianflone, 2008/1 -
- 2007/12 Bachelor's, Biochemistry, Université Laval

### Recognitions

- 2019/1 IDO Retreat - Best oral presentation prize  
Institutes for Diabetes and Obesity  
Prize / Award  
Best oral presentation prize, awarded by a jury.
- 2017/5 - 2020/9 CIHR Postdoctoral Fellowship (ranked 7th/672).  
Canadian Institutes of Health Research  
Prize / Award  
CIHR Postdoctoral Fellowship (ranked 7th/672).
- 2016/5 Canadian Neurometabolic Club meeting - Best oral presentation  
Neurometabolic Club  
Prize / Award  
Canadian Neurometabolic Club meeting - Best oral presentation, awarded by a Jury.

2016/4	Nutrition department Research Day - Best oral presentation Université de Montréal Prize / Award Nutrition department Research Day - Best oral presentation, awarded by a Jury.
2015/1	National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) Scholarship to attend a Keystone Conference - 1,200 National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) Keystone Symposia Prize / Award Travel award to attend the Keystone Symposia (Neural Control of Metabolic Physiology and Diseases), in Salt Lake City.
2015/1	Bourse Défi CRCHUM - Travel award (ranked 2nd) - 700 Centre de recherche du CHUM Prize / Award Travel award to attend the Copenhagen Bioscience Conferences – Nutrient and Metabolite Sensing, in Denmark.

## User Profile

Research Specialization Keywords: Adipokines, Adipose tissue, Diabetes, Hypothalamus, Inflammation, Neurobiology, Neuroendocrinology, Obesity

## Employment

2021/6	Professor Medical Biology, Université du Québec à Trois-Rivières Full-time, Professor Tenure Status: Tenure Track
--------	--

## Research Funding History

### Awarded [n=1]

2021/6 - 2022/5 Principal Investigator	Start-up funds, Université du Québec à Trois-Rivières, Grant <b>Funding Sources:</b> Université du Québec à Trois-Rivières (UQTR) Start-up funds Total Funding - 98,900 Portion of Funding Received - 98,900 Funding Competitive?: No
---	---

## Student/Postdoctoral Supervision

### Bachelor's [n=4]

2021/9 - 2022/4 Principal Supervisor	Janie Kean-Dubois (In Progress) , Université du Québec à Trois-Rivières Thesis/Project Title: Research internship on hypothalamic neuronal identity. Present Position: Undergraduate student
---	--

2021/6 - 2022/4 Principal Supervisor	Alyssa Breton-Morin (In Progress) , Université du Québec à Trois-Rivières Thesis/Project Title: Research internship on hypothalamic neuronal identity. Present Position: Undergraduate student
2021/6 - 2021/8 Principal Supervisor	Roxanne Audette (Completed) , Université du Québec à Trois-Rivières Thesis/Project Title: Research internship on hypothalamic neuronal identity. Present Position: Undergraduate student
2021/6 - 2021/8 Principal Supervisor	Arenski Vazquez (Completed) , Universidad Nacional Autonoma de Mexico Thesis/Project Title: Research internship on hypothalamic neuronal identity. Present Position: Undergraduate student

## Knowledge and Technology Translation

2015/9 - 2016/11	Organization of Data Session program, Community Engagement Target Stakeholder: Academic Personnel Outcome / Deliverable: Co-founder of a bi-monthly student data session program at the CRCHUM. I participated in the elaboration of the program and its maintenance. Activity Description: Co-founder of a bi-monthly student data session program at the CRCHUM. I participated in the elaboration of the program and its maintenance.
------------------	---

## Other Memberships

2021/7	Member, Cardiometabolic Health, Diabetes and Obesity Research Network The CMDO Research Network aims to develop research in cardiometabolic health, diabetes and obesity, to translate knowledge and to promote evidence for improving the health and quality of life of Quebecers.
2021/6	Member, Research Group in Cell Signaling, UQTR Research group of professors from the Université du Québec à Trois-Rivières working in a broad range of fields relevant to cell physiology and signaling.

## Presentations

- (2019). Sexual dimorphism in obesity: a role for Cited1 (best oral presentation prize). Institute for Diabetes and Obesity Retreat, Germany  
Main Audience: Researcher  
Invited?: No, Keynote?: No
- (2019). Functional identity of hypothalamic melanocortin neurons depends on Tbx3. Keystone Symposium – Functional Neurocircuitry of Feeding and Feeding disorders, Canada  
Main Audience: Researcher  
Invited?: No, Keynote?: No
- (2017). Tbx3 regulates postnatal POMC neurons fate. Institute for Diabetes and Obesity Retreat, Munich, Germany  
Invited?: No, Keynote?: No
- (2016). ABHD6 in the hypothalamus is crucial for endocannabinoid-mediated metabolic flexibility. EMBO meeting, Portugal  
Main Audience: Researcher  
Invited?: No, Keynote?: No

5. (2016). ABHD6 in the ventromedial hypothalamus is crucial for endocannabinoid-mediated metabolic flexibility. Center for studies in behavioral neurobiology Workshop, Montréal, Canada  
Invited?: No, Keynote?: No
6. (2016). ABHD6 in the hypothalamus is crucial for endocannabinoid-mediated metabolic flexibility. CMDO meeting, Canada  
Main Audience: Researcher  
Invited?: No, Keynote?: No
7. (2016). ABHD6 dans l'hypothalamus est crucial pour la flexibilité métabolique médiée par les endocannabinoïdes (best oral presentation prize). Montréal University Nutrition Faculty Research Day, Canada  
Main Audience: Researcher  
Invited?: No, Keynote?: No
8. (2016). ABHD6 in the ventromedial hypothalamus is crucial for endocannabinoid-mediated metabolic flexibility (best oral presentation prize). Canadian Neurometabolic Club meeting, Canada  
Main Audience: Researcher  
Invited?: No, Keynote?: No
9. (2015). ABHD6 in the ventromedial hypothalamus is essential for endocannabinoid-mediated metabolic adaptation to high-fat diet. Canadian Neurometabolic Club meeting, Canada  
Main Audience: Researcher  
Invited?: No, Keynote?: No
10. (2015). ABHD6 in the hypothalamus is crucial for endocannabinoid-mediated metabolic flexibility. Copenhagen Bioscience Conferences – Nutrient and Metabolite Sensing, Denmark  
Main Audience: Researcher  
Invited?: No, Keynote?: No
11. (2015). La perte de fonction d'ABHD6 dans l'hypothalamus ventromédian altère la dépense énergétique et induit l'obésité chez la souris. CMDO meeting, Canada  
Main Audience: Researcher  
Invited?: No, Keynote?: No
12. (2015). ABHD6 neuronal loss-of-function in the ventromedial hypothalamus promotes obesity in mice. Keystone Symposium – Neural Control of Metabolic Physiology and Diseases, United States  
Main Audience: Researcher  
Invited?: No, Keynote?: No

## Broadcast Interviews

- |                            |  |
|----------------------------|--|
| 2016/11/06 -<br>2016/11/06 | Short video about my latest findings on ABHD6 and my early research career., Radio-Canada Sciences webpage, Radio-Canada   |
| 2016/11/01 -<br>2016/11/01 | Radio interview about my latest research findings on ABHD6 with "Les Années Lumières", a scientific vulgarization show from Radio-Canada., Les Années Lumières, Radio-Canada |

## Text Interviews

- |            |  |
|------------|--|
| 2016/10/27 | An interview describing and vulgarizing my latest findings about ABHD6 and energy metabolism flexibility was produced by The Montreal Gazette ., The Montreal Gazette  |
| 2016/10/27 | An interview describing and vulgarizing my latest findings about ABHD6 and energy metabolism flexibility was produced by Radio-Canada., Radio-Canada <a href="http://ici.radio-canada.ca/nouvelles/science/2016/10/27/001-enzyme-abhd6-obesite-poids-controle.shtml">http://ici.radio-canada.ca/nouvelles/science/2016/10/27/001-enzyme-abhd6-obesite-poids-controle.shtml</a> |

## Publications

### Journal Articles

1. Décarie-Spain, L., Hryhorczuk, C., Lau, D., Jacob-Brassard, E., Fiset, A., Fulton S. (2021). Prolonged saturated, but not monounsaturated, high-fat feeding provokes anxiodepressive-like behaviors in female mice despite similar metabolic consequences. *Brain, Behavior, & Immunity - Health*.  
Published  
Refereed?: Yes
2. CO-FIRST\*: Quarta C\* , Fiset A\* , Xu Y , Colldén G , Legutko B , Tseng YT , Reim A , Wierer M , De Rosa MC , Klaus V , Rausch R , Thaker VV , Graf E , Strom TM , Poher AL , Gruber T , Le Thuc O , Cebrian-Serrano A , Kabra D , Bellocchio L , Woods SC , Pflugfelder GO , Nogueiras R , Zeltser L , Grunwald Kadow IC , Moon A , García-Cáceres C , Mann M , Treier M , Doege CA , Tschöp MH. (2019). Functional identity of hypothalamic melanocortin neurons depends on Tbx3. *Nature metabolism*. 1(2): 222-235.  
Published  
Refereed?: Yes
3. CO-FIRST\*: Décarie-Spain L\* , Fiset A\* , Zhu Z , Yang B , DiMarchi RD , Tschöp MH , Finan B , Fulton S , Clemmensen C. (2019). GLP-1/dexamethasone inhibits food reward without inducing mood and memory deficits in mice. *Neuropharmacology*. 151: 55-63.  
Published  
Refereed?: Yes
4. Auguste S , Sharma S , Fiset A , Fernandes MF , Daneault C , Des Rosiers C , Fulton S. (2018). Perinatal deficiency in dietary omega-3 fatty acids potentiates sucrose reward and diet-induced obesity in mice. *International journal of developmental neuroscience : the official journal of the International Society for Developmental Neuroscience*. 64: 8-13.  
Published  
Refereed?: Yes
5. CO-FIRST\*: Auguste S\* , Fiset A\* , Fernandes M , Hryhorczuk C , Poitout V , Alquier T , Fulton S. (2016). Central agonism of GPR120 acutely inhibits food intake and food reward and chronically suppresses anxiety-like behavior in mice. *International Journal of Neuropsychopharmacology*. 19(7): 0.  
Published  
Refereed?: Yes, Open Access?: Yes
6. Fiset A, Tobin S, Décarie-Spain L, Bouyakdan K, Peyot M-L, Madiraju M, Prentki M, Fulton S, Alquier T. (2016). ABHD6 in the ventromedial hypothalamus is crucial for energy metabolism flexibility. *Cell Reports*. 17(5): 1217-1226.  
Published  
Refereed?: Yes
7. A Fiset, T Alquier. (2015). AstroGenesis: And there was leptin on the sixth day. *Molecular Metabolism*. 4(11): 755-57.  
Published  
Refereed?: Yes, Open Access?: Yes