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Dr. Elsa Rossignol

Correspondence language: English
Sex: Female
Date of Birth: 6/28
Canadian Residency Status: Canadian Citizen
Country of Citizenship: Canada

Contact Information

The primary information is denoted by (*)

Address

Primary Affiliation (*)

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Dr. Elsa Rossignol

Language Skills

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

User Profile

Disciplines Trained In: Neurosciences, Pediatrics

Research Disciplines: Neurosciences, Genetics

Areas of Research: Genetics of Neurological and Psychiatric Diseases, Convulsive Disorders/ Epilepsy, Nervous System Development, Developmental Genetics

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

Research Specialization Keywords: Development, Epilepsy, Genetics, Neurology, Neurosciences

Degrees

2007/7 - 2010/12	Post-doctorate, Post-doctoral fellowship, Neurobiology, NYU School of Medicine Degree Status: Completed
	Supervisors: Gordon Fishell
2005/9 - 2010/4	Master's Thesis, Master's of Science, Neuroscience, Université de Montréal Degree Status: Completed
	Supervisors: Dr Bernard Brais
2003/7 - 2007/7	Post-doctorate, Medical Residency, Pediatric Neurology, Pediatric Neurology, Hôpital Sainte Justine Degree Status: Completed
	Supervisors: Dr Paola Diadori
2000/7 - 2003/7	Post-doctorate, Medical Residency, Pediatrics, Pediatrics, Hôpital Sainte Justine Degree Status: Completed
	Supervisors: Dr Catherine Farrell
1995/8 - 2000/5	Doctorate, M.D., Medecine, McGill University Degree Status: Completed
	Supervisors: Dean of the Medical Faculty

Credentials

2007/5	Royal College of Canada license in Neurology, Royal College of Physicians and Surgeons of Canada
2004/9	American Boards of Paediatrics license, American Board of Medical Specialties
2004/5	Royal College of Canada license in Pediatrics, Royal College of Physicians and Surgeons of Canada
2002/1	Canadian Medical Licensing Examination part II, Medical Council of Canada
2000/1	United States Medical Licensing Examination partII, National Board of Medical Examiners
2000/1	Canadian Medical Licensing Examination part I, Medical Council of Canada
1998/1	United States Medical Licensing Examination partI, National Board of Medical Examiners

Recognitions

2020/8 - 2025/8	Canada Research Chair, Tier II Neurobiology of Epilepsy Canada Research Chair (CRC) Prize / Award
2016/7 - 2021/7	CIHR Young Investigator Award - 300,000 Canadian Institutes of Health Research Prize / Award
2015/12	2015 Junior Investigator Award (Canadian dollar) Canadian League Against Epilepsy Prize / Award
2015/7 - 2019/6	Clinician-scientist Career Award, Basic Sciences, Junior II (Bourse salariale Clinicien-chercheur, volet fondamental, Junior II) - 145,938 (Canadian dollar) Fonds de recherche du Québec - Santé (FRQS) Prize / Award
2011/7 - 2015/6	Clinician-scientist Career Award, Basic Sciences, Junior I (Bourse salariale Clinicien-chercheur, volet fondamental, Junior I) - 132,456 (Canadian dollar) Fonds de recherche du Québec - Santé (FRQS) Prize / Award
2008/7 - 2010/6	Clinician-Scientist Training Award - 116,000 (Canadian dollar) Fonds de recherche du Québec - Santé (FRQS) Prize / Award
2008/7 - 2009/6	Bourse de formation complémentaire post-spécialisation - 25,000 (Canadian dollar) Université de Montréal Prize / Award
2008/7 - 2009/6	Bourse Irma-Levasseur, formation post-doctorale; DÉCLINÉE - 40,000 (Canadian dollar) CHU Ste-Justine Prize / Award
2007/7 - 2008/6	Bourse Irma-Levasseur, formation post-doctorale - 40,000 (Canadian dollar) CHU Ste-Justine Prize / Award
2007/6	Prix Claude-Roy - 250 CHU Sainte-Justine Distinction

2004/6	Prix Luc-Chicoine: excellence in clinical practice - 250 CHU Sainte-Justine Distinction
2000/1	Dean's Honour List, clinical training - 0 McGill University Distinction
1999/1	Honours in Paediatrics - 0 McGill University Distinction
1998/1	Dean's Honour List, pre-clinical medical training - 0 McGill University Distinction
1998/1	Nomination for "Young Women of Distinction" - 0 YWCA Distinction
1995/9 - 2000/7	James McGill Scholarship / Clarke McLoed Scolarship, Medical studies excellence scholarship - 10,000 (Canadian dollar) McGill University Prize / Award
1993/6	Governor General of Canada Medal - 0 Governor General of Canada Distinction

Employment

2020/5	Tenure (intégration) 50% PTG Neurosciences and Pediatrics, Medicine, CHU Sainte-Justine, Université de Montréal
2019/4	Associate Professor of Clinics Departments of Neurosciences and Pediatrics, Medicine, CHU Sainte-Justine, Université de Montréal
2014/4	Assistant Professor of Clinics Neurosciences (with secondary affiliation Pediatrics), Medicine, CHU Sainte-Justine, Université de Montréal
2011/4	Assistant Professor of Clinics Pediatrics, Medicine, CHU Sainte-Justine, Université de Montréal
2010/12	Pediatric Neurologist, Clinician-Scientist Pediatrics (Neurology), Medicine, Hôpital Sainte Justine

Affiliations

The primary affiliation is denoted by (*)

(*) 2019/4	Associate Professor of Clinics, Department of Neurosciences with secondary affiliation in the Department of Pediatrics, Université de Montréal

Leaves of Absence and Impact on Research

2015/6 - 2016/3 — Parental, Hôpital Sainte Justine

I took a maternity leave from June 2015 to March 2016. I worked on research tasks starting in December 2015. Despite my maternity leave, I gave formal talks in prestigious international venues (2015 SFN Symposium and 2015 Banburry Meeting), pursued my formal teaching (10h: NRL-6091, NSC2003, NSC3009), and supervised my students and associates through bi-monthly meetings.Overall, although my maternity leave delayed my publications, I demonstrated my commitment to science and academia throughout the year.

Research Funding History

Awarded [n=9]

2022/3 - 2027/2
Co-applicant

Towards Novel Therapies for CACNA1A Neurological Disorders

Principal Applicant : Colecraft, Henry

Funding Sources:

2022/4 - 2027/3 — National Institutes of Health (NIH) (USA)
Drug Discovery for the Nervous system
Total Funding - 2,741,975 (United States dollar)
Funding Competitive?: Yes

2021/4 - 2026/3
Co-applicant

Implication of early embryonic epigenetic dysregulation in fetal alcohol spectrum disorders-associated outcomes

Co-applicant : MacFarlane, A; Sinett, Daniel;

Principal Investigator : McGraw, Serge

Funding Sources:

2020/10 - 2025/10 — Canadian Institutes of Health Research (CIHR)
Project grant
Total Funding - 826,200 (Canadian dollar)
Funding Competitive?: Yes

2020/8 - 2025/7
Principal Applicant

Canada Research Chair, Tier II Neurobiology of Epilepsy

Funding Sources:

2020/8 - 2025/7 — Canada Research Chairs (CRC)
Canada Research Chair, Tier II, Operating funds
Total Funding - 225,000 (Canadian dollar)
Funding Competitive?: Yes

2020/8 - 2025/7 — Canada Research Chairs (CRC)
Canada Research Chair, Tier II, Salary/indirect costs
Total Funding - 375,000 (Canadian dollar)
Funding Competitive?: Yes

2020/10 - 2025/4
Principal Investigator

Interneuronopathies and Neurodevelopmental Disorders

Co-investigator : Jean-Claude Lacaille

Funding Sources:

2020/8 - 2025/7 Canadian Institutes of Health Research (CIHR)
Project Grant
Total Funding - 1,078,650 (Canadian dollar)
Funding Competitive?: Yes

2021/1 - 2024/1
Co-applicant

Neurodevelopmental basis of nervous system disorders: NeuroBasis

Co-applicant : Ruthazer, Edward; Sharif Naeini, Reza; Srour, Myriam; Takahashi, Hideto; Trenholm, Stuart;

Principal Investigator : Cayouette, Michel; Charron, Frédéric; Kania, Arthur; Koenekoop, Robert

Funding Sources:

2021/6 - 2026/6 Canada Foundation for Innovation (CFI)
Equipment grant
Total Funding - 7,836,539 (Canadian dollar)
Funding Competitive?: Yes

2018/4 - 2023/4
Principal Applicant

Cellular and network basis of CACNA1A-associated epileptic encephalopathies

Collaborator : Carl Ernst; Jean-Claude Lacaille; Nazzareno D'Avanzo

Funding Sources:

2018/2 - 2023/2 Canadian Institutes of Health Research (CIHR)
Project Grant
Total Funding - 906,525 (Canadian dollar)
Funding Competitive?: Yes

2022/1 - 2023/1
Principal Investigator

"Towards personalized medicine for patients with CACNA1A-related epilepsies"

Funding Sources:

2021/7 - 2023/7 ComediHa! et Famille Parent-Bédard
Project grant
Total Funding - 50,000 (Canadian dollar)
Funding Competitive?: No

2020/7 - 2021/6
Principal Applicant

Cell-based therapeutic screens for CACNA1A-related epilepsies

Funding Sources:

2020/7 - 2021/6 Savoy Foundation
Epilepsy Research Grant
Total Funding - 25,000 (Canadian dollar)
Funding Competitive?: Yes

2019/8 - 2020/7
Principal Applicant

Disease spectrum and mechanisms of FASN-related neurodevelopmental disorders

Co-applicant : Philippe Campeau

Funding Sources:

2019/8 - 2020/7 Rare Disease Model and Mechanisms Network (CIHR)
Operating Grant
Total Funding - 25,000 (Canadian dollar)
Funding Competitive?: Yes

Completed [n=9]

2020/1 - 2020/7
Co-investigator

"A randomized, Double-Blind, Placebo-Cotrolled, Parallel-Group Study of XXX for the Treatment of Girls and Women with Rett Syndrome"

Funding Sources:

2021/1 - 2021/6 Acadia Pharmaceuticals
Pharmaceutical Phase III trial
Total Funding - 24,981 (Canadian dollar)
Funding Competitive?: No

2018/1 - 2019/12
Principal Applicant

Functional investigation for personalized medicine in epileptic encephalopathies

Collaborator : Jean-Claude Lacaille; Jong Rho; Mary Connolly; Peter Carlen

Funding Sources:

2018/1 - 2019/12 Epilepsy Canada
Jay and Aiden Barker Grant
Total Funding - 137,500 (Canadian dollar)
Funding Competitive?: Yes

2014/9 - 2019/9
Co-investigator

Characterization of a new group of vesicular transport diseases

Principal Applicant : Philippe Campeau

Funding Sources:

2014/10 - 2019/9 Canadian Institutes of Health Research (CIHR)
Operating Grant Competition
Total Funding - 856,803 (Canadian dollar)
Funding Competitive?: Yes

2018/7 - 2019/6
Principal Applicant

Deregulation of Rho GTPases during interneuron development in genetic epileptic encephalopathies

Funding Sources:

2018/7 - 2019/6 Savoy Foundation
Research Grant
Total Funding - 23,000 (Canadian dollar)
Funding Competitive?: Yes

2013/5 - 2019/5
Principal Applicant

Pediatric Neurodevelopmental Disorders Network, Registre de patients et Biobanques.

Co-applicant : Geneviève Bernard;

Co-investigator : Jacques Michaud; Myriam Srour; Zoha Kibar

Funding Sources:

2013/4 - 2018/5 Réseau de Médecine Génétique Appliquée du Québec (RMGA)
Team Funding
Total Funding - 275,000 (Canadian dollar)
Funding Competitive?: Yes

2017/7 - 2018/6
Principal Investigator

Impaired development of GABAergic interneurons in TRIO-related epileptic encephalopathy.

Funding Sources:

2017/7 - 2018/6 Savoy Foundation
Operating Grant
Total Funding - 23,000 (Canadian dollar)
Funding Competitive?: Yes

2013/4 - 2018/4
Co-investigator

Personalized medicine in the treatment of epilepsy. ** Funding dedicated for Genome sequencing and patient recruitment.

Co-applicant : Anne-Marie Laberge; Béatrice Godard; Danielle Andrade; Elsa Rossignol; Grant Mitchell; Guy Rouleau; Jean Lachaine; Jong Roe; Lionel Carmant; Marie-Pierre Dubé; Stephen Sherer;

Co-investigator : Berge Minnassian; Jacques Michaud;

Principal Investigator : Patrick Cossette

Funding Sources:

2013/4 - 2018/4	Genome Canada Operating Grant Total Funding - 10,833,259 (Canadian dollar) Funding Competitive?: Yes

2017/4 - 2018/4
Principal Investigator

Investigating a new epileptic encephalopathy gene.

Co-applicant : Jacques Michaud

Funding Sources:

2017/4 - 2018/4	RDMM Network: Rare diseases Models and Mechanisms Network Operating Grant Total Funding - 25,000 (Canadian dollar) Funding Competitive?: Yes

2012/4 - 2017/5
Principal Investigator

Roles of Cacna1a in cortical GABAergic interneurons and epilepsy.

Collaborator : Jean-Claude Lacaille

Funding Sources:

2012/4 - 2017/4	Canadian Institutes of Health Research (CIHR) operating grant Total Funding - 660,615 (Canadian dollar) Funding Competitive?: Yes

Student/Postdoctoral Supervision

Bachelor's [n=23]

Principal Supervisor

Haidan Gupta (In Progress) , McGill University
Student Degree Start Date: 2022/5
Student Degree Expected Date: 2022/8
Project Description: BSc in Physiology Summer research rotation

Principal Supervisor

Louise Moizan (In Progress) , Université de Montréal
Student Degree Start Date: 2022/5
Student Degree Expected Date: 2022/8
Project Description: BSc Neurosciences Summer research rotation

Principal Supervisor

Joëlle Fortin (In Progress) , Université de Montréal
Student Degree Start Date: 2022/1
Student Degree Expected Date: 2022/8
Project Description: Undergraduate rotation

Principal Supervisor	Hadjinicolaou, Alexandros (Completed) , Concordia Student Degree Start Date: 2021/1 Student Degree Received Date: 2021/8 Project Description: BSc Psychology 2021 Winter Research rotation: introduction to the lab 2021 Summer Research rotation * Bourse Guy Geoffroy
Principal Supervisor	Ikram Toudji (Completed) Student Degree Start Date: 2021/1 Student Degree Received Date: 2021/5
Principal Supervisor	Karolanne Toulouse (Completed) , Université de Montréal Student Degree Start Date: 2019/5 Student Degree Received Date: 2019/8 Project Description: BSc Neurosciences, research rotation 5-8/2019 Project: "Mechanisms of PIGB associated epilepsies" Present Position: Bachelor's
Principal Supervisor	Louis Fauteux-Loiselle (Completed) , Université de Montréal Student Degree Start Date: 2019/5 Student Degree Received Date: 2019/8 Project Description: BSc Neurosciences, Research rotation 05-08/2019 Project: "Mechanisms of TRIO-associated neurodevelopmental disorders" Present Position: Bachelor's Neurosciences
Principal Supervisor	Jimmy Li (Completed) , Université de Montréal Student Degree Start Date: 2018/6 Student Degree Received Date: 2018/8 Project Description: MD student, 3rd year. Summer rotation. Title: "Roles of DOCK10 in the development of GABAergic interneurons" Present Position: MD student
Principal Supervisor	Rami Rekik (Completed) , Université de Montréal Student Degree Start Date: 2018/5 Student Degree Received Date: 2018/8 Present Position: BSc student, 3rd year
Principal Supervisor	Gabrielle Godin (Completed) , Université de Montréal Student Degree Start Date: 2017/5 Student Degree Received Date: 2017/8 Present Position: Medical student
Principal Supervisor	Petra Tamer (Completed) , Université de Montréal Student Degree Start Date: 2017/5 Student Degree Received Date: 2017/8 Present Position: MSc Neurosciences
Principal Supervisor	Iness Soltani (Completed) , Université de Montréal Student Degree Start Date: 2016/6 Student Degree Received Date: 2016/8 Present Position: Medical student
Principal Supervisor	Jean-David Larouche (Completed) , Université de Montréal Student Degree Start Date: 2016/5 Student Degree Received Date: 2016/8 Present Position: BSc biochemistry

Principal Supervisor Dana Sleiman (Completed) , Université de Montréal
Student Degree Start Date: 2016/5
Student Degree Received Date: 2016/8
Present Position: Dentistry student

Principal Supervisor François Charron-Ligez (Completed) , Université de Montréal
Student Degree Start Date: 2015/5
Student Degree Received Date: 2015/8
Present Position: Pharmacy student

Principal Supervisor Gabrielle Boudreault (Completed) , Université de Montréal
Student Degree Start Date: 2014/5
Student Degree Received Date: 2014/8
Present Position: MSc Biochemistry

Principal Supervisor Véronique Goyette (Completed) , Université de Montréal
Student Degree Start Date: 2014/5
Student Degree Received Date: 2014/8
Present Position: Pharmacy student

Principal Supervisor Boyang Chen (Completed) , Université de Montréal
Student Degree Start Date: 2013/6
Student Degree Received Date: 2013/8
Present Position: Medical student

Principal Supervisor Milan Nigan (Completed) , Université de Montréal
Student Degree Start Date: 2012/6
Student Degree Received Date: 2012/8
Project Description: Summer rotation Epilepsy database
Present Position: Neurology Resident

Principal Supervisor Jenifer Hua (Completed) , Université de Montréal
Student Degree Start Date: 2012/5
Student Degree Received Date: 2012/8
Present Position: MSc in Neuroscience

Principal Supervisor Catherine Landry (Completed) , Université de Montréal
Student Degree Start Date: 2012/5
Student Degree Received Date: 2012/8
Project Description: Impact of Cav2.1 mutations on cortical interneuron synapstic development
Present Position: occupational therapy

Principal Supervisor Lydia Marcoux (Completed) , Université de Montréal
Student Degree Start Date: 2012/5
Student Degree Received Date: 2012/8
Present Position: MSc Genetic Counselling

Principal Supervisor Catherine Hauw (Completed) , Université de Montréal
Student Degree Start Date: 2011/5
Student Degree Received Date: 2011/8
Present Position: Veterinary school

Bachelor’s Equivalent [n=2]

Principal Supervisor Alexandros Hadjinicolaou (In Progress) , Université de Montréal
Student Degree Start Date: 2022/6
Student Degree Expected Date: 2022/8
Project Description: Summer rotation * Bourse Guy Geoffroy

Principal Supervisor Florence Bengle (In Progress) , Université de Montréal
Student Degree Start Date: 2022/1
Project Description: BSc in Neurosciences 2022 Winter research rotation, introduction to research 2022 Summer rotation * Bourse Guy Geoffroy

Master's Equivalent [n=6]

Principal Supervisor Charlotte Perrier Marchand (In Progress) , Université de Montréal
Student Degree Start Date: 2022/1
Project Description: Microprogram in Neurosciences Graduate student, research rotation *Bourse Guy Geoffroy, Bourse Fondation des Étoiles

Principal Supervisor Audrey Lamandé (Completed) , Bordeaux University
Student Degree Start Date: 2020/1
Student Degree Received Date: 2020/8
Present Position: Bordeaux University

Principal Supervisor Lucas Toussaint (Completed) , Université de Bordeaux
Student Degree Start Date: 2018/1
Student Degree Received Date: 2019/5
Present Position: PhD student, Neuroscience, Barcelona

Principal Supervisor Felicia Hanson (Completed) , Karolinska Institute
Student Degree Start Date: 2016/9
Student Degree Received Date: 2017/4
Present Position: Medical Student

Principal Supervisor Wilhelm Leijonmark (Completed) , Karolinska Institute
Student Degree Start Date: 2014/5
Student Degree Received Date: 2014/12
Present Position: Medical Student

Principal Supervisor Lena Damaj (Completed) , Université de Rennes
Student Degree Start Date: 2012/9
Student Degree Received Date: 2013/11
Present Position: Pediatric Neurologist, professor

Master's Thesis [n=9]

Principal Supervisor Ikram Toudji (In Progress) , Université de Montréal
Student Degree Start Date: 2021/9
Present Position: MSc

Principal Supervisor Audrey-Anne Lamoureux (In Progress) , Université de Montréal
Student Degree Start Date: 2021/9
Present Position: MSc

Principal Supervisor Karolanne Toulouse (All But Degree) , Université de Montréal
Student Degree Start Date: 2020/6
Present Position: MD, McGill University

Principal Supervisor Samuel Boris Tene (Completed) , Université de Montréal
Student Degree Start Date: 2019/5
Student Degree Received Date: 2021/4
Project Description: "Mechanisms of FASN-related disorders" Scholarships: Bourse Mérite FESP U.de Montreal, Bourse C exemption frais de scolarité, Bourse Engagement Social
Present Position: PhD student

Principal Supervisor François Charron-Liguez (Completed) , Université de Montréal
Student Degree Start Date: 2016/1
Student Degree Received Date: 2017/11
Present Position: Pharmacy student

Principal Supervisor Maxime Pouillat (Withdrawn) , Université de Montréal
Student Degree Start Date: 2015/10
Present Position: NA

Principal Supervisor Jade Falardeau (Completed) , U. de Montréal
Student Degree Start Date: 2014/9
Student Degree Received Date: 2016/9
Present Position: MSc, Genetic Counselling,

Principal Supervisor Lydia Marcoux (Completed) , U. de Montréal
Student Degree Start Date: 2013/9
Student Degree Received Date: 2016/3
Present Position: MSc Genetic Counselling, CHU Ste-Justine

Principal Supervisor Alexis Lupien-Meilleur (Completed) , U de Montréal
Student Degree Start Date: 2013/1
Student Degree Received Date: 2015/2
Present Position: PhD student, Neuroscience

Doctorate [n=3]

Principal Supervisor Samuel B. Tene (In Progress) , Université de Montréal
Student Degree Start Date: 2020/7
Present Position: PhD Student, U. de Montreal

Principal Supervisor Asmaa Toumi (In Progress) , Université de Montréal
Student Degree Start Date: 2020/1
Student Degree Expected Date: 2025/1
Present Position: Maternity leave

Principal Supervisor Alexis Lupien-Meilleur (Completed) , Université de Montréal
Student Degree Start Date: 2015/2
Student Degree Received Date: 2021/5
Present Position: PhD student, Neurosciences

Doctorate Equivalent [n=4]

Principal Supervisor Marc-André Ranger (Completed)
Student Degree Start Date: 2021/5
Student Degree Received Date: 2021/8

Principal Supervisor Xiao Yu Xie (Completed)
Student Degree Start Date: 2021/5
Student Degree Received Date: 2021/8

Principal Supervisor Audrey-Anne Lamoureux (Completed) , Université de Montréal, Campus Trois-Rivières
Student Degree Start Date: 2019/6
Student Degree Received Date: 2019/8
Project Description: MD Y2 Student, 06-08/2019 research rotation Project: "Outcome of Pediatric Delirium"
Present Position: Medical Student

Principal Supervisor	Marc-André Ranger (Completed) , Université de Montréal Student Degree Start Date: 2019/5 Student Degree Received Date: 2019/8 Project Description: MD Y2, research rotation 05-08/2019 Project: "functional validation of TRIO and MYO9b mutations" Present Position: Medical Student, PGY2

Post-doctorate [n=6]

Principal Supervisor	Mahamane Touré, Aboubacrine (In Progress) , Université de Montréal Student Degree Start Date: 2021/5 Present Position: PDF
Principal Supervisor	Lara Eid (In Progress) , Université de Montréal Student Degree Start Date: 2016/7 Present Position: Post-doctoral candidate
Principal Supervisor	Praveen Kumar Raju (In Progress) , Université de Montréal Student Degree Start Date: 2016/3 Present Position: Post-doctoral candidate
Principal Supervisor	Inge A. Meijer (Completed) , Université de Montréal Student Degree Start Date: 2014/4 Student Degree Received Date: 2014/6 Present Position: Post-doctoral fellowship
Principal Supervisor	Xiao Jiang (Completed) , Université de Montréal Student Degree Start Date: 2014/3 Student Degree Received Date: 2019/6 Present Position: Associate Professor, Dep.medical psychology, Anhui Medical University, Anhui, China
Principal Supervisor	Elena Samarova (Completed) , Université de Montréal Student Degree Start Date: 2012/1 Student Degree Received Date: 2013/3 Project Description: Study the impact of calcium channel mutations on GABAergic interneuron neurotransmission. Present Position: unknown

Certificate [n=2]

Principal Supervisor	Asmaa Tousmi (In Progress) , Université de Montréal Student Degree Start Date: 2018/9 Project Description: Micropogram in Neurosciences 2 month rotation, title: "GABAergic interneuron development" Present Position: PhD
Co-Supervisor	Daniella Maria D'Agostino (Completed) , Université de Montréal Student Degree Start Date: 2012/10 Student Degree Received Date: 2013/5 Present Position: Geneticist, Professor

Research Associate [n=5]

Principal Supervisor	Marisol Lavertu-Jolin (In Progress) Student Degree Start Date: 2021/8

Principal Supervisor	James Waldron (In Progress) , CHU Ste-Justine Student Degree Start Date: 2014/9 Present Position: Lab technician
Principal Supervisor	Alexis Lupien-Meilleur (Completed) , U. de Montréal Student Degree Start Date: 2012/10 Student Degree Received Date: 2013/1 Present Position: PhD student
Principal Supervisor	Mathieu Lachance (Completed) , CHU Ste-Justine Student Degree Start Date: 2012/3 Student Degree Received Date: 2021/8 Project Description: Investigation of the roles of Cacnb4 in cortical interneurons. Investigation of genetic determinants of epilpetic encephalopathies in children. Present Position: Research Associate
Principal Supervisor	Mohamed Amrei (Completed) , CHU Ste-Justine Student Degree Start Date: 2011/8 Student Degree Received Date: 2012/2 Present Position: Chemist

Technician [n=2]

Principal Supervisor	Audrey-Anne Lamoureux (Completed) Student Degree Start Date: 2021/6 Student Degree Received Date: 2021/8
Principal Supervisor	Francine Boucher (Completed) , CHU Ste-Justine Student Degree Start Date: 2011/3 Present Position: Retired

Mentoring Activities

2014/9	PhD thesis/MSc Memoir jury, Université de Montréal Number of Mentorees: 7 Mario Capo-Chi-Chi, Pre-doc exam Clara Moreau, Pre-doc exam Alexis Lupien-Meilleur, Pre-doc exam Daniele Wolf, Pre-doc exam V T Thruong, MSc Thesis Jury E. Baho, PhD Thesis Jury A. Dudilot, PhD Thesis Jury
2011/1	MSC/PhD advisory committee, Université de Montréal Number of Mentorees: 6 Élie Baho, PhD Farres Kharfallah, PhD Gabriela Lopez Arango, PhD Daniele Wolf, PhD Mona Ouirzane, MSc Mahsa Taherzadeh, PhD, McGill U.

International Collaboration Activities

2015/12 - 2020/1	Collaborator, Canada Collaboration with H. Takahashi, IRCM. Title: "Roles of new synaptic molecules in cortical GABAergic synaptogenesis" Role: Video-EEG recordings in conditional mutant mice
2014/7 - 2020/1	Collaborator, Sweden Collaboration with J. Hjerling-Leffler, Karolinska Institute, Sweden Title: "Roles of Sox6 in cortical GABAergic interneuron maturation" Role: Video-EEG recordings in conditional mutant mice

2015/8 - 2019/8 Collaborator, United States
Collaboration with N. Demarco, Columbia U. Title: "Activity-dependant maturation of cortical interneurons" Roles: Provide assistance in EEG recordings and analysis

Presentations

1. (2021). Le cerveau épileptique!. Journée de l'épilepsie 2021, Université de Montréal, Montréal, Canada
Main Audience: Knowledge User
Invited?: Yes
2. (2021). Disrupted cortical inhibition in CACNA1A-associated epileptic encephalopathies . NeuroWIRE Virtual Club, Virtuel, Canada
Main Audience: Researcher
Invited?: Yes
3. (2021). Disrupted cortical inhibition in CACNA1A-associated epileptic encephalopathies . Neurona Scientific Seminars, San-Francisco, United States
Main Audience: Researcher
Invited?: Yes
4. (2021). Disrupted cortical inhibition in CACNA1A-associated epileptic encephalopathies . CEAMS, Département de neurosciences, Centre Hospitalier Sacré-Coeur, Montréal, Canada
Main Audience: Researcher
Invited?: Yes
5. (2021). Disrupted cortical inhibition in CACNA1A-associated epileptic encephalopathies . UCSF Neuroscience Seminars, San-Francisco, United States
Main Audience: Researcher
Invited?: Yes
6. (2021). Mechanisms of CACNA1A-associated epileptic encephalopathies. UQAM Neuroscience Seminars, Montréal, Canada
Main Audience: Researcher
Invited?: Yes
7. Dr. S. Koh. (2021). CACNA1A-associate epilepsy: Ask the experts!. CACNA1A Foundation Virtual event and scientific roundtable, United States
Main Audience: General Public
Invited?: Yes
8. (2021). Disrupted cortical inhibition in CACNA1A-associated epileptic encephalopathies. UCLA Neuroscience Seminars, San-Francisco, United States
Main Audience: Researcher
Invited?: Yes
9. (2021). Mécanismes des encéphalopathies épileptogènes associées au gène CACNA1A. Séminaires de recherche en Neurosciences, CHU Sainte-Justine, Montréal, Canada
Main Audience: Knowledge User
Invited?: No
10. (2021). Frontal cortical interneurons and cognitive deficits in CACNA1A-related epilepsies. 15th Canadian Association for Neurosciences Meeting 2022: Satellite symposium on GABAergic inhibitory circuits in health and disease, Toronto, Canada
Main Audience: Researcher
Invited?: Yes

11. (2021). Mechanisms of CACNA1A-associated epileptic encephalopathies . World Wide Web NeuroSeminars - Experimental Epilepsy virtual seminars, London, United Kingdom
Main Audience: Researcher
Invited?: Yes

12. (2020). Towards personalized medicine for epileptic encephalopathies. NRS-CHUSJ Joint symposium on Pediatric Rare Diseases, Montréal, Canada
Main Audience: Researcher
Invited?: Yes

13. (2019). Déficits cognitifs réversibles dus à une désinhibition des circuits frontaux chez les mutants Cacna1a. Matinée des Chercheurs Boursiers, Congrès du Club des Recherches Cliniques du Québec, L'Esterel, Canada
Main Audience: Researcher
Invited?: Yes

14. (2019). Mécanismes moléculaires et cellulaires des épilepsies. Retraite scientifique de l’axe neurosciences, Montreal, Canada
Main Audience: Researcher
Invited?: No

15. (2019). Genetics of Epileptic Encephalopathies. Canadian neurological Science Foundation/Congrès Canadian des Sciences Neurologiques (CNSF), Montréal, Canada
Main Audience: Researcher
Invited?: Yes

16. (2019). Mechanisms of CACNA1A-associated epileptic encephalopathies : from gene to networks. Jasper’s Basic Mechanisms of the Epilepsies, Yosemite Symposium, Fresno, Yosemite, United States
Main Audience: Researcher
Invited?: Yes

17. (2019). Mechanisms of CACNA1A-associated epileptic encephalopathies : from gene to networks. McGill University, Department of Physiology, Weekly Seminars, Montréal, Canada
Main Audience: Researcher
Invited?: Yes

18. (2019). Cortical disinhibition in genetic models of autism.Transforming Autism Care Consortium (TACC) Research Forums, Canada
Main Audience: Researcher
Invited?: Yes

19. (2019). Les bases biologiques de l’épilepsie. Webinair, Association des Neurologues du Québec (International audience: Viet-Nam, Antilles, Canada), Canada
Main Audience: Researcher
Invited?: Yes

20. (2019). Impact clinique des trouvailles génétiques en épilepsie. Réunion académique, Service de Neurologie, Hôpital de l'Enfant-Jésus, Quebec, Canada
Main Audience: Knowledge User
Invited?: Yes

21. (2019). Update on Epilepsy Diagnosis and Treatment. TED talk, I Medici’s Concert for a CURE, Epilepsy Canada, Canada
Main Audience: General Public
Invited?: Yes

22. (2019). Génétique et épilepsie: Clinical Pearls. Soirée académique, Neurologues et Neuropédiatres, Enfant-Jésus et CHUL, Quebec, Canada
Main Audience: Researcher
Invited?: Yes

23. (2019). Genetic and functional basis of early childhood epilepsies. Congrès Provincial Mère-Enfant, Canada
Main Audience: Researcher
Invited?: Yes

24. (2019). Biological Basis of Epilepsy. Webinair, Association des Neurologues du Québec (International audience: Viet-Nam, Antilles, Canada), Canada
Main Audience: Researcher
Invited?: Yes

25. (2018). Les bases génétiques des encéphalopathies épileptogènes. Congrès annuel OTIMROEPMQ (Ordre des Technologues en Imagerie Médicale, en Radio-oncologie et en Électrophysiologie Médicale du Québec), Gatineau, Canada
Main Audience: Knowledge User
Invited?: Yes

26. (2018). Molecular and network mechanisms of epileptic encephalopathies. McGill U., Department of Genetic, Academic Rounds, Montreal, Canada
Main Audience: Knowledge User
Invited?: Yes

27. A. Lupien-Meilleur, E. Rossignol. (2018). Disinhibition of frontal cortical circuits underlies inattention and cognitive rigidity associated with Cacna1a loss-of-function mutations. Gordon Conference in Epilepsy, United States
Main Audience: Researcher
Invited?: Yes

28. (2018). Épilepsie et conseil prénatal. Journée Annuelle Québécoise de l'épilepsie, Canada
Main Audience: Researcher
Invited?: Yes

29. (2018). Frontal cortical disinhibition causes cognitive-behavioral deficits in CACNA1A haploinsufficiency. EMBO Meeting: Cortical interneurons in health and disease, Spain
Main Audience: Researcher
Invited?: Yes

30. A. Duquette. (2017). Pour ou contre les tests génétiques en neurologie clinique?. Congrès annuel des Neurologues du Québec, Florence, Italy
Main Audience: Researcher
Invited?: Yes

31. (2017). Pediatric epilepsies: from genes to networks. Developing Brains. The Nobel Forum. Karolinska Institute, Stockholm, Sweden
Main Audience: Researcher
Invited?: Yes

32. (2017). Molecular and network mechanisms of epileptic encephalopathies. Pediatric Neurology Grand Rounds Montreal Children's Hospital, McGill University, Montreal, Canada
Main Audience: Researcher
Invited?: Yes

33. (2017). Mécanismes des épilepsies généralisées. Neurology Grand Rounds, CHU Ste-Justine, Montreal, Canada
Main Audience: Researcher
Invited?: Yes

34. (2017). Mechanistic insights from gene discovery in infantile spasms. Canadian League Against Epilepsy Annual Meeting, Symposium: 175 years of Riding West: Working Towards a Better Understanding of Infantile Spasms., Vancouver, Canada
Main Audience: Researcher
Invited?: Yes

Broadcast Interviews

2019/10/28 Rett syndrome: clinical presentation and emerging therapies, Radio-Canada, Émission d'information https://www.rcinet.ca/fr/2019/10/28/le-syndrome-de-rett-maladie-meconnue-et-rare/, Radio-Canada

Publications

Journal Articles

1. M.-A. Pépin, A.-S. Otis, Z. Tremblay, M. Boulé, D. Lebel, P. Major, A. Lortie, E. Pichefsky, E. Rossignol, B. Carleton, J.-F. Buissières, M.-H. Métras. (2022). Pharmacogenetic Testing in Pediatric Neurology: A Pragmatic Study Evaluating Clinician and Patient Perceptions. Personalized medicine. TBD: TBD.
Revision Requested

2. A.-A. Lamoureux*, F. Lacelle-Webster*, L. Ducharme-Crevier, P. Jouvet, J. Boivin, A. Lavoie, E. Rossignol. (2022). Pediatric delirium: an overlooked diagnosis?. Pediatric Neurology. TBD: TBD.
Submitted

3. Schneider AL, Myers CT, Muir AM, Calvert S, Basinger A, Perry MS, Rodan L, Helbig KL, Chambers C, Gorman KM, King MD, Donkervoort S, Soldatos A, Bönnemann CG, Spataro N, Gabau E, Arellano M, Cappuccio G, Brunetti-Pierri N, Rossignol E, Hamdan FF, Michaud JL, Balak C, Mefford HC*, Scheffer IE*. (2021). FBXO28 causes developmental and epileptic encephalopathy with profound intellectual disability. Epilepsia. 62(1): e13-e21.
Co-Author
Refereed?: Yes

4. F. Pelletier, S. Perrier, FK Cayami (…), Rossignol E, Sanchez-Carpintero R, Schossig A, Senbil N, Sønderberg Roos LK, Stevens CA, Synofzik M, Sztriha L, Tibussek D, Timmann D, Tonduti D, van de Warrenburg BP, Vázquez-López M, Venkateswaran S, Wasling P, Wassmer E, Webster RI, Wiegand G, Yoon G, Rotteveel J, Schiffmann R, van der Knaap M, Vanderver A, Martos-Moreno GÁ, Polychronakos C, Wolf NI, Bernard G. (2020). Endocrine and Growth Abnormalities in 4H Leukodystrophy Caused by Variants in POLR3A, POLR3B, and POLR1C.J. Clin Endocrinol Metab. TBD: TBD.
Published

5. Dermer E, Spahr A, Tran LT, Mirchi A, Pelletier Fa, Guerrero K, Sullivan M, The Leukodystrophy Family Impact Research Group*, Bernard G. (2020). Stress in parents of children with genetically determined leukoencephalopathies : A Pilot Study.J. Child Neurology. 35(13): 901-907.

6. J. Li, F. F. Hamdan, J. Gauthier, J.-F. Soucy, J. L. Michaud, E. Rossignol. (2020). De Novo MORC2 Mutation in a Patient with Global Developmental Delay, Sensorineural Hearing Loss, and Progressive Spastic Paraplegia.Neurology Genetics. TBD: TBD.
Submitted

7. I. Shelihan; E. Rossignol; J.-C. Décarie; J.-P. Bonnefont; M. Brivet; C. Brunel-Guitton; G. A. Mitchell. (2020). Infantile onset carnitine palmitoyltransferase 2 (CPT2) deficiency: cortical polymicrogyria, schizencephaly and gray matter heterotopias in an adolescent with normal development.J. Inherited Metabolic Diseases. NA: NA.
Submitted

8. A. Lupien-Meilleur; X. Jiang; M. Lachance; V. Taschereau-Dumouchel; L. Gagnon; C.Vanasse; J.-C. Lacaille; E. Rossignol. (2020). Reversing frontal disinhibition rescues behavioral deficits in models of *CACNA1A*-associated neurodevelopment disorders. Molecular Psychiatry. NA: NA.
Revision Requested

9. Murakami Y, Nguyen TTM, Baratang N, Raju PK*, Knaus A, Ellard S, Jones G, Lace B, Rousseau J, Ajeawung NF, Kamei A, Minase G, Akasaka M, Araya N, Koshimizu E, van den Ende J, Erger F, Altmüller J, Krumina Z, Strautmanis J, Inashkina I, Stavusis J, El-Gharbawy A, Sebastian J, Puri RD, Kulshrestha S, Verma IC, Maier EM, Haack TB, Israni A, Baptista J, Gunning A, Rosenfeld JA, Liu P, Joosten M, Rocha ME, Hashem MO, Aldhalaan HM, Alkuraya FS, Miyatake S, Matsumoto N, Krawitz PM, Rossignol E, Kinoshita T, Campeau PM. (2019). Mutations in *PIGB* Cause an Inherited GPI Biosynthesis Defect with an Axonal Neuropathy and Metabolic Abnormality in Severe Cases.. AJHG. 105(2): 384-394.
Published

10. S. Bell, J. Rousseau, H. Peng, M. Jefri, A. Tanti, H. Wu, J.-F. Theroux, I. Kolobova, H. Silviera, K. Manzano-Vargas, S. Ehresmann, Pi. Priam, F.F Hamdan, C. Nassif, L. Ghaloul Gonzalez, J.Sebastian, J. Vockley, A. G. Begtrup, I.M. Wentzensen, A. Crunk, R. D. Nicholls, K. C. Herman, J. Deignan, W.Al-Hertani, S.Efthymiou, H. Houlden, N. Miyake, Y.Makita, N.Matsumoto, M. Au, R. Østern, G.Houge, M. Hafström, E. Fassi, V. Salpietro, Jolien S K. Wassink-Ruiter, D. Nelson, A.Goldstein, T.Dabir, T. Bourgeron, R. Delorme, G. Cooper , J. E. Martinez, C. Finnila, L. Carmant, A. Lortie, R. Oegema, S. G. Mehta, R. Abou Jamra, S. Martin, T. Kleefstra, H. Brunner, D. Lindhout, M.Au, J. M Graham Jr, G. Turecki, S. Gravel, N. Mechawar, E. Rossignol, J. L. Michaud, J. Lessard, C.Ernst §, P. M. Campeau §. (2019). Mutations in *ACTL6B* cause autism and epilepsy and lead to loss of dendrites in human neurons. AJHG. 104(5): 815-834.
Published
Refereed?: Yes

11. X. Jiang*, P. K. Raju*, D'A. Nazzareno, M. Lachance*, J. Pepin, F. Dubeau, W. G. Mitchell, L. E. Bello-Espinosa, T. M. Pierson, B. A. Minassian, *J.-C. Lacaille, *E. Rossignol. (2019). Both gain-of-function and loss-of-function denovo *CACNA1A* mutations cause severe developmental epileptic encephalopathies inthe spectrum of Lennox-Gastaut syndrome. Epilepsia. 60(9): 1881-1894.
Published

12. M. F. Finelli, D. Aprile, E. Castroflorio, A. Jeans, M. Moschetta, L. Chessum, M. T. Degiacomi, J. Grasegger, A. Lupien-Meilleur*, A. Bassett, E. Rossignol, P. M. Campeau, M. R Bowl, F. Benfenati, *A. Fassio, *P. Oliver. (2019). The epilepsy-associated protein TBC1D24 is required for normal development, survival and vesicle trafficking in human mammalian neurons. Human Mol Genet. 28(4): 584-597.
Published
Refereed?: Yes

13. Piard J, Hu JH, Campeau PM, Rzonca S, Van Esch H, Vincent E, Han M, Rossignol E, Castaneda J, Chelly J, Skinner C, Kalscheuer VM, Wang R, Lemyre E, Kosinska J, Stawinski P, Bal J, Hoffman DA, Schwartz CE, Van Maldergem L, Wang T, Worley PF. (2018). *FRMPD4* mutations cause X-linked intellectual disability and disrupt dendritic spine morphogenesis. Hum. Mol. Genetics. 27(4): 589-600.
Published
Refereed?: Yes

14. Gauthier J, Meijer IA, Lessel D, Mencacci NE, Krainc D, Hempel M, Tsiakas K, Prokisch H, Rossignol E, Helm MH, Rodan LH, Karamchandani J, Carecchio M, Lubbe SJ, Telegrafi A, Henderson LB, Lorenzo K, Wallace SE, Glass IA, Hamdan FF, Michaud JL, Rouleau GA, Campeau PM. (2018). Recessive mutations in VPS13D cause childhood-onset movement disorders. Annals of Neurology. 83(6): 1089-1095.
Published
Refereed?: Yes

15. L. Eid*, P.K. Raju*, E. Rossignol. (2018). PHACTRing in actin: actin deregulation in genetic epilepsies. Brain. 141(11): 3084-3088.
Published

16. X. Jiang*, A. Lupien-Meilleur*, S. Tazerart, E. Samarova*. M. Lachance*, R. Araya, J.-C. Lacaille, E. Rossignol. (2018). Remodeled cortical inhibition prevents motor seizures in generalized epilepsy.Annals of Neurology. 84(3): 436-451.
Last Author
Published
Refereed?: Yes

17. Mirchi A, Pelletier F, Tran LT, Keller S, Braverman N, Tonduti D, Vanderver A, Pizzino A, Dilenge ME, Poulin C, Shevell M, Majnemer A, Sébire G, Srour M, Osterman B, Boucher RM, Vanasse M, Rossignol E, Mitchell J, Venkateswaran S, Pohl D, Kauffman M, Schiffmann R, Goizet C, Moutton S, Roncarolo F, Bernard G. (2018). Health-related quality of life for genetically determined leukoencephalopathy patients.Pediatr Neurology. 84: 21-26.
Published
Refereed?: Yes

18. E.M.C. Hamilton, H.D.W. van der Lei, G. Vermeulen, J.A.M. Gerver, C. M. Lourenço, S. Naidu, H. Mierzewska, R.J.B.J. Gemke, H.C.W. de Vet, B.M.J. Uitdehaag, B. I. Lissenberg-Witte, VWM Research Group*, M. S. van der Knaap. (2018). The natural history of Vanishing White Matter. Annals of Neurology. 84(2): 274-288.
Published
Refereed?: Yes

19. C. Mignot*, A. C. McMahon, C. Bar, P. M. Campeau, C. Davidson, J. Buratti, C. Nava, M.-L. Jacquemont, M. Tallot, M. Milh, P. Edery, P. Marzin, G. Barcia, C. Barnerias, C. Besmond, T. Bienvenu, A.-L. Bruel, L. Brunga, B. Ceulemans, C. Coubes, A. G. Cristancho, F. Cunningham, M.-B. Dehouck, E. J. Donner, B. Duban-Bedu, C. Dubourg, E. Gardella, J. Gauthier, D. Geneviève, S. Gobin-Limballe, E. M. Goldberg, E. Hagebeuk, F. F. Hamdan, M. Han?árová, L. Hubert, C. Loos, S. Ichikawa, S. Janssens, H. Journel, A. Kaminska, B. Keren, M. Koopmans, C. Lacoste, P. Laššuthová, D. Lederer, D. Lehalle, D. Marjanovic, J. Métreau, J. L. Michaud, K. Miller, B. A. Minassian, J. Morales, M.-L. Moutard, A. Munnich, X. R. Ortiz-Gonzalez, J.-M. Pinard, D. Prchalová, A. Putoux, C. Quelin, A.R. Rosen, J. Roume, E. Rossignol, M. Simon, T. Smol, N. Shur, I. Shelihan, K. Št?rbová, E. Vyhnálková, C. Vilain, J. Soblet, G. Smits, S. P. Yang, J. J. van der Smagt, P.M. van Hasselt, M. van Kempen, S. Weckhuysen, I. Helbig. (2018). IQSEC2-related encephalopathy in males and females: A comparative study including 37 novel patients. Genetics in Medicine. Online, Sept 2018: 1-3.
Published
Refereed?: Yes

20. L. Eid*, M. Lachance*, G. Hickson, E. Rossignol. (2018). *Ex utero* electroporation and organotypic slice cultures of embryonic mouse brains for live-imaging of migrating GABAergic interneurons. J. Vis. Exp.134: e57526.
Published
Refereed?: Yes

21. L. Raffa, M.-P. Matton, J. Michaud, E. Rossignol, J.-C. Decarie, L. H.Ospina. (2017). Optic nerve hypoplasia in a patient with a denovo *KIF1A* heterozygous mutation. Canadian Journal of Ophthalmology. 52(5): e169-e171.
Published
Refereed?: Yes

22. F.F. Hamdan, C. Myers, P. Cossette, (…), E. Rossignol*, B. Minassian*, J.L. Michaud*. (2017). High Rate of Recurrent *De Novo* Mutations in Developmental and Epileptic Encephalopathies. American Journal Human Genetics. 101(5): 664-685.
Published
Refereed?: Yes

23. B. Desnous, M. Arbour, H.S. Nguyen, A. Lortie, D. Chartrand, E. Rossignol, P. Diadori, P. Major, L. Carmant, A. Birca. (2017). 3. Asymmetric hypsarrythmia: An insight into the pathophysiology of infantile spasms. A retrospective cohort. Clinical Neurophysiology. 128(11): e413-414.
Published
Refereed?: Yes

Book Chapters

1. E. Rossignol. (2022). High voltage activated calcium channels in epilepsy: lessons from humans and rodents. Jaspers Basic Mechanisms of the Epilepsies.
Last Author
In Press, Oxford Press

Conference Publications

1. S. B. Tene Tadoum, A. Lupien-Meilleur, MS Lavertu Jolin, E. Rossignol. (2022). Mécanismes moléculaires des encéphalopathies épileptogènes liées au gain de fonction de CACNA1A. 8e Congrès des étudiants en neurosciences de l'Université de Montréal (ADENUM)
Poster
Last Author
Published

2. P.K. Raju, I. Toudji, K. Toulouse, T.T.M. Nguyen, L. Eid, A. Lupien-Meilleur, M. Lachance, P. Campeau, E. Rossignol. (2022). Investigation du rôle de PIGB dans la migration des interneurones GABAergiques: implications pour les encéphalopathies épileptogènes. 8e Congrès des étudiants en neurosciences de l'Université de Montréal (ADENUM)
Poster
Last Author
Published

3. A. Toumi, L. Eid, MS Lavertu Jolin, E. Rossignol. (2022). Functional validation of TRIO and MYO9B mutations in GABAergic interneurons and their association with Neurodevelopmental disorders. Rencontres Louis-Philippe-Bouthillier, Départment de Biochimie, U. de Montréal, Lanaudières
Poster
Last Author
Published

4. L. Eid, L. Lokmane, P. K. Raju, S. B. Tene-Tadoum, X. Jiang, A. Toumi, K. Toulouse, E. Douet, M. Lachance, J.-C. Lacaille, E. Bloch-Gallego, E. Rossignol. (2021). Impaired GABAergic interneuron migration and reduced actin remodelling in TRIO-associated epilepsy and autism. Society for Neuroscience's Global Connectome: A virtual event. P072.03
Poster
Last Author
Published

5. P. K. Raju, I. Toudji, K. Toulouse, T.T.M. Nguyen, L. Eid, A. Lupien-Meilleur, M. Lachance, P. Campeau, E. Rossignol. (2021). Investigation du rôle du gène Pigb dans la migration des interneurones GABAergiques: implications pour les encéphalopathies épileptogènes.4e journée scientifique du Département de Neurosciences, U. de Montréal
Poster
Last Author
Published

6. S.B. Tene Tadoum, A. Hadjinicolaou, S. Raghuram, P. Kumar Raju, M. Lachance, P. Campeau, E. Rossignol. (2021). A novel mouse model of FASN-associated neurodevelopmental disorders.Canadian League Against Epilepsy Scientific Meeting: A virtual event. P.70
Poster
Last Author
Published

7. S.B. Tene Tadoum, P. Kumar Raju, S. Raghuram, M. Lachance, P. Campeau, E. Rossignol. (2021). FASN mutations in neurodevelopmental disorders.6th edition of NeuroSymposium: A virtual event. P53
Poster
Last Author
Published

8. S.B. Tene Tadoum, P. Kumar Raju, S. Raghuram, M. Lachance, P. Campeau, E. Rossignol. (2021). A novel mouse model of FASN-associated neurodevelopmental disorders.Society for Neuroscience's Global Connectome: A virtual event. P024.09
Poster
Last Author
Published

9. A. Toumi, L. Eid, M. Lachance, MS Lavertu Jolin, E. Rossignol. (2021). Validation fonctionnelle des mutations des gènes MYO9B et TRIO associées aux maladies du neurodéveloppement et leur impact sur les interneurones GABAergiques.36e congrès annuel des étudiants, CHU Sainte-Justine Research Center
Poster
Last Author
Published

10. I. Toudji, K. Toulouse, P. K. Raju, MS Lavertu Jolin, E. Rossignol. (2021). Implication du gène PIGB et des ancres GPI dans la physiopathologie des encéphalopathies épileptogènes.36e Congrès annuel des étudiants du Centre de recherche du CHU Sainte-Justine *1er prix de présentation orale, étudiants MSc
Poster
Last Author
Published

11. P. K. Raju, K. Toulouse, I. Toudji, T.T.M. Nguyen, L. Eid, A. Lupien-Meilleur, M. Lachance, P. Campeau, E. Rossignol. (2021). Cellular mechanisms of epileptic encephalopathies associated to PIGB mutations: significance of GPI anchors. 2021 NeuroSymposium, Montreal
Poster
Last Author
Published

12. S.B. Tene Tadoum, P. Kumar Raju, S. Raghuram, M. Lachance, P. Campeau, E. Rossignol. (2021). *FASN* mutations as a genetic cause of neurodevelopmental disorders.. 7th Annual Meeting of Association of Neuroscience Students of the University of Montreal (ADENUM): A virtual event. P6.6
Poster
Last Author
Published

13. P. K. Raju, K. Toulouse, T.T. M. Nguyen, L. Eid, A. Lupien-Meilleur, M. Lachance, P. Campeau, E. Rossignol. (2020). Mechanisms of epilepsy in *PIGB* deficiency. American Epilepsy Society (AES) Virtual Meeting, Chicago, USA
Poster
Last Author
Published

14. P. K. Raju, K. Toulouse, T.T. M. Nguyen, L. Eid, A. Lupien-Meilleur, M. Lachance, P. Campeau, E. Rossignol. (2020). Cellular mechanisms of epilepsy associated to the *PIGB* gene.. Oral presentation. 3e journée scientifique du département de neurosciences de l'Université de Montréal, Canada,
Poster
Last Author
Published

15. P. K. Raju, K. Toulouse, T.T. M. Nguyen, L. Eid, A. Lupien-Meilleur, M. Lachance, P. Campeau, E. Rossignol. (2020). Cellular mechanisms of epilepsy in *PIGB* deficiency.. Kids Brain Health Network (KBHN) Virtual Conference, Surrey
Poster
Last Author
Published

16. L. Eid, P. K. Raju, S. Boris Tene, X. Jiang, A. Toumi, K. Toulouse, E. Douet, L. Fauteux-Loiselle, M. Lachance, J.C. Lacaille and *E. Rossignol. (2020). Reduced migration of cortical GABAergic interneurons through impaired cytoskeletal remodeling in Trio-associated epileptic encephalopathy and autism in mice.Oral presentation. Interneuron Dysfunction in Autism Virtual Conference
Abstract
Last Author
Published, Invited?: Yes

17. K. Toulouse, P. K. Raju, T.T. M. Nguyen, L. Eid, A. Lupien-Meilleur, M. Lachance, P. Campeau, E. Rossignol. (2020). Cellular mechanisms of epilepsy in *PIGB* deficiency.. 35th Congrès de la recherche des étudiants des cycles supérieurs et des post-doctorants du CHU Sainte-Justine (Virtual meeting)
Poster
Last Author
Published

18. S. B. Tene Tadoum, P. K. Raju, S. Raghuram, M. Lachance, P. Campeau, E. Rossignol. (2020). Clinical presentation and modelling of neurodevelopmental disorders associated with *FASN* mutations.. 35th Research Congress of Graduate and Postdoctoral Research Student at CHU Sainte-Justine, Virtual Meeting, Montréal, Qc, Canada.
Poster
Last Author
Published

19. L.-M. Legault, M. Breton-Larrivée, A. Lemieux, M. Caron, E. Rossignol, D. Sinnett, S. McGraw. (2020). Early Embryonic Alcohol Exposure Leads to Developmental Brain Epigenetic Programming Alterations and Postnatal Cognitive Impairments.53rd SSR Annual Meeting - Society for the Study of Reproduction
Poster
Co-Author
Published, Invited?: No

20. A. Hüsser, P. Vannasing, J. Tremablay, B. Osterman, P. Major, A. Lortie, P. Diadori, E. Rossignol, K. Roger, L. Décarie-Labbé, A. Gallagher. (2020). Altered cerebral functional networks in children with temporal or frontal lobe epilepsy.OHBM 2020 – fcNIRSepi
Poster
Co-Author
Published

21. L. Eid, S. Boris Tene, X. Jiang, A. Toumi, P. K. Raju, E. Douet, L. Fauteux-Loiselle, M. Lachance, J.C. Lacaille and *E. Rossignol. (2020). Loss-of-function of the dual GEF TRIO impairs the migration of cortical GABAergic interneurons through impaired cytoskeletal remodeling, resulting in epileptic encephalopathy in mice.Canadian Association for Neuroscience annual meeting. *CANCELED DUE TO COVID-19.
Poster
Last Author
Accepted, Invited?: No

22. A. Lupien-Meilleur, X. Jiang, M. Lachance, V. Taschereau-Dumouchel, C. Vanasse, L. Gagnon, J.-C. Lacaille, E. Rossignol. (2020). Disinhibition of frontal cortical circuits underlies inattention and cognitive rigidity associated with *Cacna1a* loss-of-function mutations.. 6e Congrès des étudiants en neurosciences de l'Université de Montréal (ADENUM)
Poster
Last Author
Published, Invited?: No

23. S. B. Tene Tadoum, A. Lupien-Meilleur, M. Lachance, J.-C. Lacaille, E. Rossignol. (2020). Mechanisms and treatment of epileptogenic encephalopathies related to *CACNA1A* gene gain of function.. 6e Congrès des étudiants en neurosciences de l'Université de Montréal (ADENUM)
Poster
Last Author
Published, Invited?: No

24. L. Eid, S. Boris Tene, L. Fauteux-Loiselle, E. Douet, X. Jiang, A. Lupien-Meilleur, M. Lachance, J.C. Lacaille and *E. Rossignol. (2020). Impaired migration of cortical GABAergic interneurons through imbalanced RhoA and Rac1 activity in *TRIO*-associated neurodevelopmental disorders in mice.. Oral Presentation, Canadian National Perinatology Research Meeting
Abstract
Last Author
Published

25. L. Eid*, S. Boris Tene*, L. Fauteux-Loiselle*, E. Douet*, X. Jiang*, A. Lupien-Meilleur*, M. Lachance*, J.C. Lacaille and E. Rossignol. (2020). Impaired migration of cortical GABAergic interneurons through imbalanced RhoA and Rac1 activity in *TRIO*-associated neurodevelopmental disorders in mice.. Oral Presentation, Canadian National Perinatology Research Meeting, Banff, Alberta, Canada
Abstract
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Accepted, Invited?: Yes

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