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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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Website

Corporate http://www.chu-sainte-justine.org/recherche/chercheurs.aspx?ID_NOUVEAU=66787775&id_page=2432&id_menu



Protected when completed

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

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 Scholarship, 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

2010/12	Assistant Professor of Clinics (Professeur adjoint de clinique), Pediatric Neurologist Departments of Neurosciences and Pediatrics, Medicine, CHU Sainte-Justine, Université de Montréal
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Affiliations

The primary affiliation is denoted by (*)

(*) 2010/12	Assistant Professor of Clinics, Department of Neurosciences with secondary affiliation in the Department of Pediatrics, Université de Montréal
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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. This delayed the submission of two manuscripts, presently in the final stages of revision. 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.
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Research Funding History

Awarded [n=6]

2014/9 - 2019/9	Characterization of a new group of vesicular transport diseases
Co-applicant	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

2017/7 - 2018/6 Impaired development of GABAergic interneurons in TRIO-related epileptic
Principal Applicant encephalopathy.

Funding Sources:

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

2013/4 - 2018/4 Personalized medicine in the treatment of epilepsy. **No direct funding for my lab.
Co-applicant
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 - 2017/4 Genome Canada
Operating Grant
Total Funding - 10,833,259 (Canadian dollar)
Funding Competitive?: Yes

2017/4 - 2018/4 Investigating a new epileptic encephalopathy gene.
Principal Investigator

Co-applicant : Jacques Michaud

Funding Sources:

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

2014/5 - 2017/5 Pediatric Neurodevelopmental Disorders Network, Registre de patients et Biobanques.
Principal Applicant

Co-applicant : Geneviève Bernard;

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

Funding Sources:

2014/4 - 2017/5 Réseau de Médecine Génétique Appliquée du Québec (RMGA)
Team Funding
Total Funding - 165,000 (Canadian dollar)
Funding Competitive?: Yes

2012/4 - 2017/4 Roles of Cacna1a in cortical GABAergic interneurons and epilepsy.
Principal Investigator

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

Completed [n=7]

- 2014/9 - 2016/9
Principal Applicant
- GABAergic interneuron migration impairments in epileptic encephalopathies
- Funding Sources:**
- 2014/9 - 2016/9 CURE Epilepsy Foundation
Pediatric Epilepsy Award and Research Grant
Total Funding - 250,000 (United States dollar)
Funding Competitive?: Yes
- 2013/6 - 2015/6
Principal Applicant
- A multichannel confocal microscope to investigate the cellular mechanisms of developmental epilepsies
- Funding Sources:**
- 2013/6 - 2018/6 Canada Foundation for Innovation (CFI)
Leader Fund
Total Funding - 309,747 (Canadian dollar)
Funding Competitive?: Yes
- 2013/9 - 2014/9 Government Quebec
Matching Funds, CFI
Total Funding - 123,899 (Canadian dollar)
Funding Competitive?: Yes
- 2013/9 - 2014/9 CHU Ste-Justine Research Center
Leader Fund
Total Funding - 61,950 (Canadian dollar)
Funding Competitive?: Yes
- 2014/3 - 2015/3
Principal Applicant
- Cortical GABAergic interneuron migration defects in genetic epilepsies.
- Funding Sources:**
- 2014/3 - 2015/3 Savoy Foundation
Operating Grant
Total Funding - 25,000 (Canadian dollar)
Funding Competitive?: Yes
- 2011/10 - 2014/10
Principal Investigator
- Genetics of cryptogenic infantile spasms
Collaborator : Jacques Michaud
- Funding Sources:**
- 2011/10 - 2014/10 Scottish Rite Charitable Foundation of Canada
Research Grant
Total Funding - 105,000 (Canadian dollar)
Funding Competitive?: Yes
- 2011/7 - 2014/7
Principal Investigator
- Rôles des interneurons GABAergic corticaux et thalamiques dans les épilepsies généralisées héréditaires.
- Funding Sources:**
- 2011/7 - 2014/7 Fonds de recherche du Québec - Santé (FRQS)
Start-up fund (Établissement de jeune chercheur clinicien)
Total Funding - 30,000 (Canadian dollar)
Funding Competitive?: Yes
- 2013/4 - 2014/4
Principal Investigator
- Pediatric Neurodevelopmental Disorders Network
Co-applicant : Jacques Michaud; Myriam Srour;
Co-investigator : Geneviève Bernard

Funding Sources:

2013/4 - 2014/4 Réseau de Médecine Génétique Appliquée (RMGA)
 Subvention d'équipe
 Total Funding - 50,000 (Canadian dollar)
 Funding Competitive?: Yes

2012/5 - 2013/5 Genetics of infantile epileptic encephalopathies.

Principal Investigator

Funding Sources:

2012/5 - 2013/5 Savoy Foundation
 Operating Grant
 Total Funding - 20,000 (Canadian dollar)
 Funding Competitive?: Yes

Student/Postdoctoral Supervision**Bachelor's [n=5]**

- Principal Supervisor Iness Soltani (Completed) , Université de Montréal
 Student Degree Start Date: 2016/6
 Student Degree Received Date: 2016/8
 Project Description: Medical student, 1st year, U. de Montreal Summer rotation: "Clinical yield of LP in metabolic epileptic encephalopathies"
 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
 Project Description: BSc Biochemistry, 2nd year Summer rotation: "Roles of Trio in the post-natal development of cortical basket cells"
 Present Position: BSc biochemistry
- Principal Supervisor Dana Sleiman (Completed) , Université de Montréal
 Student Degree Start Date: 2016/5
 Student Degree Received Date: 2016/8
 Project Description: BSc, Biochemistry, 2nd year Summer rotation: "Roles of Myo9b in the morphological development fo cortical basket cells" COPSE scholarship
 Present Position: Dentistry student
- Principal Supervisor François Charron-Ligez (Completed) , Université de Montréal
 Student Degree Start Date: 2015/5
 Project Description: Summer rotation. "Role of Trio in GABAergic interneuron migration"
 Present Position: Pharmacy student
- 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

Bachelor's Equivalent [n=2]

- Principal Supervisor Felicia Hanson (In Progress) , Karolinska Institute
 Student Degree Start Date: 2016/9
 Student Degree Expected Date: 2016/12
 Project Description: Medical student, 4th year, Karolinska Institute Research rotation:
 "Roles of Trio in the post-natal morphological development of cortical basket cells"
 Present Position: Medical Student
- Principal Supervisor Wilhelm Leijonmark (Completed) , Karolinska Institute
 Student Degree Start Date: 2014/5
 Project Description: Research Training during medical school May-December 2014
 "Behavioral impairment in Cacnb4 mutant mice"
 Present Position: Medical Student

Master's Equivalent [n=1]

- 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=5]

- Principal Supervisor François Charron-Liguez (In Progress) , Université de Montréal
 Student Degree Start Date: 2016/1
 Student Degree Expected Date: 2018/1
 Project Description: MSc, Biological Sciences Title: "Roles of Trio in the development and migration of cortical GABAergic interneurons"
 Present Position: Pharmacy student
- Principal Supervisor Maxime Pouillat (In Progress) , Université de Montréal
 Student Degree Start Date: 2015/10
 Student Degree Expected Date: 2017/12
 Project Description: Cortical GABAergic interneurons impairment and epilepsy in tbc1d24 mutants.
 Present Position: MSc student, Neurosciences
- Principal Supervisor Jade Falardeau (In Progress) , U. de Montréal
 Student Degree Start Date: 2014/9
 Student Degree Expected Date: 2017/9
 Project Description: Investigating the role of Svll on GABAergic interneuron development.
 Present Position: MSc, Genetic Counselling,
- Principal Supervisor Lydia Marcoux (Completed) , U. de Montréal
 Student Degree Start Date: 2013/9
 Project Description: Investigating the role of Myo9b on the migration of cortical GABAergic interneurons.
 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
 Project Description: Cognitive deficits in Cacna1a mutants
 Present Position: PhD student, Neuroscience

Doctorate [n=4]

- Principal Supervisor Alexis Lupien-Meilleur (In Progress) , Université de Montréal
 Student Degree Start Date: 2015/2
 Student Degree Expected Date: 2019/1
 Project Description: Cognitive deficits and GABAergic interneuron synaptic dysfunction.
 Present Position: PhD student, Neurosciences
- Academic Advisor Fares Kharfallah (In Progress) , Université de Montréal
 Student Degree Start Date: 2010/9
 Present Position: PhD student, U. de Montreal
- Academic Advisor Martin Berryer (Completed) , Université de Montréal
 Student Degree Start Date: 2010/9
- Academic Advisor Élie Baho (Completed) , Université de Montréal
 Student Degree Start Date: 2009/9
 Student Degree Received Date: 2015/11
 Present Position: PhD Student, U. de Montreal

Post-doctorate [n=5]

- 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 (In Progress) , Université de Montréal
 Student Degree Start Date: 2014/3
 Project Description: Investigation of the synaptic properties of cortical and hippocampal GABAergic interneurons in genetic models of epilepsy.
 Present Position: Post-doctoral candidate
- 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=1]

- 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=4]

- Co-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 (In Progress) , CHU Ste-Justine
 Student Degree Start Date: 2012/3
 Project Description: Investigation of the roles of Cacnb4 in cortical interneurons.
 Investigation of genetic determinants of epileptic 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=1]

Principal Supervisor Francine Boucher (Completed) , CHU Ste-Justine
 Student Degree Start Date: 2011/3
 Present Position: Retired

Mentoring Activities

2014/9 PhD thesis jury, Université de Montréal
 Number of Mentorees: 2

2011/1 PhD advisory committee, Université de Montréal
 Number of Mentorees: 5

International Collaboration Activities

2015/12 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

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

2014/7 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

Presentations

- (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

2. (2016). Genetics of pediatric epileptic encephalopathies. CLAE Satellite symposium, "Epileptic encephalopathies in infancy and childhood"; Canadian Pediatric Epilepsy Network, Quebec, Canada
Main Audience: Researcher
Invited?: Yes
3. (2016). Cortical inhibition in generalized epilepsies. MNI Epilepsy symposium: "Excitatory/inhibitory balance as therapeutic target in epilepsy", Montreal, Canada
Main Audience: Researcher
Invited?: Yes
4. (2015). Dysfunctions of cortical GABAergic interneurons in epilepsies. "Scientific and Clinical Foundation for personalized Medicine in Epilepsy" Banbury Meeting, Cold Spring Harbor, Cold Spring Harbor, United States
Main Audience: Researcher
Invited?: Yes
5. (2015). Implication des interneurons GABAergiques corticaux dans les encéphalopathies épileptogènes. Neuroscience Seminar Centre de recherche de l'Institut en santé mentale du Québec Robert-Giffard, U. Laval, Quebec, Canada
Main Audience: Researcher
Invited?: Yes
6. (2015). Cortical GABAergic interneurons and epileptic encephalopathies. Scientific Seminars, Department of pharmacology, McGill University, Montreal, Canada
Main Audience: Researcher
Invited?: Yes
7. (2015). Génétique de l'épilepsie chez l'enfant. Symposium Épilepsie Montréal, Montréal, Montreal, Canada
Main Audience: General Public
Invited?: Yes
8. (2015). Dysfunctions of cortical GABAergic interneurons in thalamocortical epilepsies. Symposium: "Revisiting the dogma in thalamocortical epilepsy" Society for Neurosciences, Chicago, Chicago, United States
Main Audience: Researcher
Invited?: Yes
9. (2015). Cortical GABAergic interneuron disorders and epileptic encephalopathies. 37e International Symposium GRSNC, Neurobiology of Epilepsy: from genes to networks., Montreal, Canada
Main Audience: Researcher
Invited?: Yes
10. (2015). Devenir des enfants avec ventriculomégalie pré-natale. Journée du Centre Intégré de Diagnostic Prenatal (CIDP). CHU Ste-Justine., Montreal, Canada
Main Audience: Researcher
Invited?: Yes
11. (2015). Évaluation génétique des enfants avec épilepsie et déficience intellectuelle. Conférence hebdomadaire du département de pédiatrie (programme PSIC), CHU Ste-Justine, Montreal, Canada
Main Audience: Researcher
Invited?: Yes
12. (2014). Remodeling of GABAergic networks in Cacna1a-associated epilepsy. Canadian Epilepsy Research Initiative (CARI), in parallel with CLAE meeting., London, Ontario, Canada
Main Audience: Researcher
Invited?: Yes

13. (2014). Next Generation Sequencing in pediatric epileptic encephalopathies. Neurology grand rounds, Montreal Children's Hospital, McGill University., Montreal, Canada
Main Audience: Researcher
Invited?: Yes
14. E. Samarova*, A. Lupien-Meilleur*, X. Jiang*, Arn M. J. M. van den Maagdenberg, J.-C. Lacaille, E. Rossignol. (2014). Age-dependent plasticity of cortical GABAergic innervation lessens seizure severity in Cacna1a mutant mice. Oral platform presentation, Investigator Workshop. Society for Neurosciences, Washington, United States
Main Audience: Researcher
Invited?: Yes
15. A. Lupien-Meilleur*, I. Riebe, L. Damaj*, C. Vanasse, L. Gagnon, A. M. J. M. Van den Maagdenberg, J.-C. Lacaille, E. Rossignol. (2014). Synaptic impairment of frontal cortical fast-spiking basket cells induces cognitive and behavioural deficits in mice with a Cacna1a loss-of-function mutation. Oral platform presentation, Investigator Workshop. American Epilepsy Society, Seattle, United States
Main Audience: Researcher
Invited?: Yes
16. (2013). Conditional genetics and optogenetics to investigate neural circuits in genetic epilepsies. World Organization for the Neurobiology of Epilepsy (WONOE) Symposium; International League Against Epilepsy Satellite Symposium, L'Estereil, Canada
Main Audience: Researcher
Invited?: Yes
17. (2013). Genetics of epilepsy: from genes to networks. Biochemistry Seminar, Université de Montréal, Montreal, Canada
Main Audience: Researcher
Invited?: Yes
18. (2013). Towards personalised medicine in epilepsy. Issues in clinical epileptology: a view from the bench. Honor to Phil Schwartzkroin, Pajaro Dunes, United States
Main Audience: Researcher
Invited?: Yes
19. (2013). Genetics of infantile spasms. Canadian Association of Electrophysiology Technologists Symposium, Montreal, Canada
Main Audience: Researcher
Invited?: Yes
20. (2012). Genetics of Epilepsy. Canadian Neurology Residents Retreat, Ottawa, Canada
Main Audience: Researcher
Invited?: Yes
21. (2012). Role of cortical interneurons in epileptogenesis. Neuroscience Seminars, Physiology Department, Université de Montréal, Montreal, Canada
Main Audience: Researcher
Invited?: Yes
22. (2012). Cortical interneurons and epileptogenesis. Neuroscience rounds, CHUM, Université de Montréal, Montreal, Canada
Main Audience: Researcher
Invited?: Yes
23. (2012). Genetics and evolution of infantile spasms. Pediatrics Grand Rounds, Hôpital Ste-Justine, Montreal, Canada
Main Audience: Researcher
Invited?: Yes

24. (2012). Cortical interneurons dysfunction in Cav2.1 mutants. Neurology and Neurosurgery grand rounds, Dartmouth School of Medicine,, Hanover, United States
Main Audience: Researcher
Invited?: Yes

Publications

Journal Articles

1. X. Jiang*, A. Lupien-Meilleur*, S. Tazerart, E. Samarova*, M. Lachance*, R. Araya, J.-C. Lacaille, E. Rossignol. (2017). **Age-dependent remodelling of cortical GABAergic inhibition in a genetic model of generalized epilepsy** . Nature Neuroscience.
Last Author
Submitted
Refereed?: Yes
2. E. Rossignol, L. Carmant, JC Lacaille.(2016). Preface. Progress in Brain Research. 226: Xi-Xii.
First Listed Author
Published
Refereed?: No
Number of Contributors: 3
3. X. Jiang*, M. Lachance*, E. Rossignol. (2016). Involvement of cortical fast-spiking parvalbumin-positive basket cells in epilepsy. Progress in Brain Research. 226: 81-126.
Last Author
Published
Refereed?: Yes
Number of Contributors: 3
4. J.-R. Lee, M. Srour, D. Kim, F. F. Hamdan, S.-H. Lim, C. Brunel-Guitton, J.-C. Décarie, E. Rossignol, A. Schreiber, M. Rocio, K. V. Haren, R. Richardson, E. Rahikkala, H. Tynismaa, I. Cuppen, N. Verbeek, C. T. Stumpel, M. A. Willemsen, S. de Munnik, G. A. Rouleau, E. Kim, E.-J. Kamsteeg, T. Kleefstra, J. L. Michaud.(2015). De novo mutations in the motor domain of KIF1A cause cognitive impairment, spastic paraparesis, axonal neuropathy and cerebellar atrophy. Hum Mutation. 36(1): 36(1):69-78.
Published
Refereed?: Yes
5. L. Marcoux*, M. Lachance*, E. Rossignol.(2015). Molecular determinants of cortical GABAergic interneuron migration. Molecular Psychiatry.
Revision Requested
Refereed?: Yes
6. D.T. Kim, E. Rossignol, K. Najem, L.H. Opsina.(2015). Bilateral congenital corneal anesthesia in a patient with SCN9A mutation confirmed primary erythromelalgia and paroxysmal extreme pain disorder. J AAPOS. 19(5): 478-479.
Published
Refereed?: No
7. J.-F. Toupin, A. Lortie, P. Major, P. Diadori, M. Vanasse, E. Rossignol, G. D'Anjou, S. Perreault, A. Larbrisseau, L. Carmant, A. Birca.(2015). Efficacy and safety of Lacosamide as an adjunctive therapy for refractory focal epilepsy in pediatric patients. Epileptic Disorders. 17(4): 436-443.
Published
Refereed?: Yes
8. F. Lacelle-Webster*, L. Ducharme-Crevier, P. Jovet, J. Boivin, A. Lavoie, E. Rossignol.(2015). Pediatric delirium: an overlooked diagnosis?. Critical Care Medicine.
Submitted

9. A. Levtova, S. Camuzeaux, A.-M. Laberge, P. Allard, C. Brunel-Guitton, P. Diadori, E. Rossignol, K. Hyland, P. Clayton, P. Mills, G. A. Mitchell.(2015). Normal cerebrospinal fluid pyridoxal 5'-phosphate level in a PNPO-deficient patient with neonatal-onset epileptic encephalopathy.J. Inherited Metabolic Disorders. 22: 67-75.
Published
Refereed?: Yes
10. L. Damaj*, A. Lupien-Meilleur*, A. Lortie, E. Riou, L. Gagnon, C. Vanasse, L. H. Ospina and E. Rossignol. (2015). CACNA1A haploinsufficiency causes cognitive impairment, autism and epileptic encephalopathy with mild cerebellar symptoms.European Journal Human Genetics. 23(11): 1505-1512.
Published
Refereed?: Yes
11. F.F. Hamdan, I. Perrault, M. Rio, J.M. Capo-Chichi, N. Boddaert, J.C. Décarie, B. Maranda, R. Nabbout, M. Sylvain, A. Lortie, P.P. Roux PP, E. Rossignol, x. Gérard, G. Barcia, P. Berquin, A. Munnich, G.A. Rouleau, J. Kaplan, J.M. Rozet, J.L. Michaud.(2015). Mutations in *DOCK7* in individuals with epileptic encephalopathy and cortical blindness.. Int J Dev Neurosci. 47(PtA): 119-120.
Published
Refereed?: Yes
12. K. Aoyagi (1), E. Rossignol (1), F.F. Hamdam, L. Xie, S. Nagamatsu, G. A. Rouleau, M. Zhen, J. L. Michaud.(2015). A gain-of-function mutation in *NALCN* in a child with intellectual disability, ataxia and congenital arthrogyrosis.Hum Mutation. 36(8): 753-757.
Published
Refereed?: Yes
13. I.A. Meijer, F. Sasarman, Maftai C, E. Rossignol, M. Vanasse, P. Major, G. Mitchell, C. Brunel-Guitton. (2015). *LPINI* deficiency with severe recurrent rhabdomyolysis and persistent elevation of creatine kinase levels due to chromosome 2 maternal isodisomy.Molecular Genetics and Metabolic Reports. (5): 85-88.
Revision Requested
Refereed?: Yes
14. E. Rossignol, K. Kobow, M. Simonato, J. Loeb, T. Grisar, K. L. Gilby, J. Vinet, S. D. Kadam, A. J. Becker. (2014). *WONOE* appraisal: new genetic approaches to study epilepsy.Epilepsia. 55(8): 1170-86.
Published
Refereed?: Yes
15. M-E. Robinson*, E. Rossignol, G. Rouleau, J-F. Arbour, B. Brais, G. Bernard.(2014). Vanishing White Matter Disease in French-Canadian patients from Quebec.Pediatric Neurology. 51(2): 225-32.
Published
Refereed?: Yes
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