



**Date Submitted:** 2019-01-23 13:09:31

**Confirmation Number:** 948072

**Template:** SSHRC

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## **Dr. Jacqueline Cummine**

Correspondence language: English

Sex: Female

Date of Birth: 6/13

## **Contact Information**

The primary information is denoted by (\*)

### **Address**

Courier

2-70 Corbett Hall  
8205 114St  
Edmonton Alberta T6G 2G4  
Canada

Primary Affiliation (\*)

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Work (\*) 1-7804923965

### **Email**

Work (\*) jcummine@ualberta.ca

### **Website**

Community <http://www.rehabresearch.ualberta.ca/cummine-lab/home>



## Dr. Jacqueline Cummine

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### Language Skills

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

### Degrees

- 2006/9 - 2009/9      Doctorate, Basic Behavioural Sciences, Cognitive Neuroscience, University of Saskatchewan  
Degree Status: Completed  
Thesis Title: Investigations of basic reading processes  
Supervisors: Dr. Ron Borowsky
- 1999/9 - 2005/5      Bachelor's, Arts and Science, Psychology, University of Saskatchewan  
Degree Status: Completed  
Thesis Title: Gender differences in the suggestibility of children: Investigating executive functioning, question-type and age.  
Supervisors: Dr. Tammy Marche

### Recognitions

- 2018/1 - 2018/12      Rehabilitation Medicine Students Association Excellence in Teaching  
University of Alberta  
Prize / Award
- 2018/1 - 2018/12      Graduate Students' Association: Graduate Student Supervisor Award. 2018  
University of Alberta  
Prize / Award
- 2018/1 - 2018/12      Faculty of Graduate Studies and Research Great Supervisor Award  
University of Alberta  
Prize / Award

### User Profile

Research Specialization Keywords: Brain Imaging (MRI), Dorsal Streams, Dual-route Processing, Dyslexia, Language Processing, Lexical Route, Reading, Sub-lexical Route, Ventral Streams, Visual Processing

## Employment

2013/7	Associate Professor Communication Sciences and Disorders, Faculty of Rehabilitation Medicine, University of Alberta Full-time, Associate Professor Tenure Status: Tenure
2009/8 - 2013/6	Assistant Professor Speech Pathology and Audiology, Rehabilitation Medicine, University of Alberta Full-time, Assistant Professor Tenure Status: Tenure Track
2005/5 - 2009/8	Graduate Student Research Assistant Psychology, University of Saskatchewan Part-time Tenure Status: Non Tenure Track
2008/9 - 2008/12	Lecturer Psychology, University of Saskatchewan Part-time Tenure Status: Non Tenure Track
2008/1 - 2008/4	Lecturer Psychology, University of Saskatchewan Part-time Tenure Status: Non Tenure Track
2005/5 - 2005/8	Research Assistant Psychology, University of Saskatchewan Part-time Tenure Status: Non Tenure Track
2005/4 - 2005/7	Research Assistant Psychology, University of Saskatchewan Part-time Tenure Status: Non Tenure Track
2005/1 - 2005/4	Teaching Assistant Psychology, University of Saskatchewan Part-time Tenure Status: Non Tenure Track

## Research Funding History

### Awarded [n=2]

2018/5 - 2023/4 Principal Applicant	Investigations of neural networks associated with basic reading processes, Grant <b>Funding Sources:</b> Natural Sciences and Engineering Research Council of Canada (NSERC) Discovery Grant Total Funding - 125,000
2018/1 - 2019/1 Principal Applicant	Towards an understanding of written communication: Relationships between reading and spelling, Grant <b>Funding Sources:</b> Killam Trusts Cornerstone Grant

Total Funding - 44,104

**Completed [n=6]**

- 2012/9 - 2018/8  
Principal Investigator  
Understanding Basic Reading Processes: A Behavioural and Neuroanatomical Approach, Grant  
**Funding Sources:**  
Natural Sciences and Engineering Research Council of Canada (NSERC)  
Individual Discovery Grant  
Total Funding - 174,000
- 2012/11 - 2017/11  
Co-investigator  
Cognitive and Neural Mechanisms of Language and Working Memory, Grant  
**Funding Sources:**  
Canada Foundation for Innovation (CFI)  
Equipment grant  
Total Funding - 78,275  
Co-applicant : Ada Leung;  
Principal Applicant : Esther Kim
- 2013/7 - 2014/12  
Co-applicant  
The neural circuits of rapid naming and reading, Grant  
**Funding Sources:**  
Faculty of Education, University of Alberta  
Support for the advancement of scholarship (SAS) operating grant application  
Total Funding - 7,000
- 2013/11 - 2014/11  
Collaborator  
Contributions of Neural Structure and Function to Figurative Language Comprehension in People with Autism Spectrum Disorder, Grant  
**Funding Sources:**  
Autism Society of Edmonton and Area and the Autism Research Centre (ASEA/ARC)  
Graduate Student Pilot Grant  
Total Funding - 4,965
- 2013/5 - 2014/8  
Co-investigator  
Cognitive and Neural Mechanisms of Language and Working Memory, Grant  
**Funding Sources:**  
Alberta Enterprise and Advanced Education  
Small Equipment Grants Program  
Total Funding - 40,000  
Co-applicant : Ada Leung;  
Principal Applicant : Esther Kim
- 2013/7 - 2014/6  
Principal Applicant  
Clarifying the RAN-Reading Relationship using fMRI, Grant  
**Funding Sources:**  
Killam Research Fund  
Killam Research Fund (Social Sciences, Humanities, Fine Arts) Cornerstones Grant Program  
Total Funding - 6,840

## Course Development

2010/1                      Instructor, Communication Sciences and Disorders, Faculty of Rehabilitation Medicine, U  
of A  
Course Title: Research Methods and Design  
Course Level: Graduate

## Student/Postdoctoral Supervision

### Bachelor's [n=3]

Principal Supervisor    Parikshit Mukerjee (Completed)  
Co-Supervisor            Jillian Freitag (Completed)  
Principal Supervisor    Zhou, Crystal (Completed)  
Student Degree Received Date: 2011/5

### Bachelor's Equivalent [n=1]

Principal Supervisor    Rabail Shahid (All But Degree)  
Student Degree Expected Date: 2018/4

### Bachelor's Honours [n=2]

Principal Supervisor    Miya Villarena (Completed)  
Principal Supervisor    Connie Luu (Completed)

### Master's non-Thesis [n=38]

Co-Supervisor            Cassie Tam (In Progress)  
Co-Supervisor            Chris Parbery (In Progress)  
Co-Supervisor            Aimee Garthus (In Progress)  
Co-Supervisor            Tyson Sereda (In Progress)  
Co-Supervisor            Michael LeBlanc (Completed)  
Student Degree Received Date: 2017/12  
Co-Supervisor            Michelle Schmidt (Completed)  
Student Degree Received Date: 2017/12  
Co-Supervisor            Mary Hunt (Completed)  
Student Degree Received Date: 2017/12  
Co-Supervisor            Ashley Sawatzky (Completed)  
Student Degree Received Date: 2017/12  
Co-Supervisor            Nancy Liu (Completed)  
Student Degree Received Date: 2017/12  
Co-Supervisor            Robin Rosentreter (Completed)  
Student Degree Received Date: 2017/12  
Co-Supervisor            Adina Mincer (Completed)  
Student Degree Received Date: 2017/12

Co-Supervisor	Julie Van Wolde (Completed) Student Degree Received Date: 2017/12
Co-Supervisor	Kelly-Ann Moschopoulos (Completed) Student Degree Received Date: 2016/12
Co-Supervisor	Anita Ripmeester (Completed) Student Degree Received Date: 2016/12
Co-Supervisor	Brittany Smith (Completed) Student Degree Received Date: 2017/12
Co-Supervisor	Tessa McKibben (Completed) Student Degree Received Date: 2016/12
Co-Supervisor	Jill Frith (Completed) Student Degree Received Date: 2016/12
Co-Supervisor	Aamn Jaswal (Completed) Student Degree Received Date: 2016/12
Co-Supervisor	Emily Sullivan (Completed) Student Degree Received Date: 2016/12
Co-Supervisor	Louanne Luu (Completed) Student Degree Received Date: 2016/12
Co-Supervisor	Elysha Clapp (Completed)
Co-Supervisor	Breanna Isted (Completed)
Co-Supervisor	Rachel Antoniuk (Completed) Student Degree Received Date: 2016/4
Co-Supervisor	Kristy Wilson (Completed) Student Degree Received Date: 2016/4
Co-Supervisor	Alison Johns (Completed)
Co-Supervisor	Megan Donnelly (Completed)
Co-Supervisor	Melissa Kinsman (Completed)
Co-Supervisor	Brown, Irene (Completed)
Co-Supervisor	Filion, Lisa (Completed)
Co-Supervisor	Hautz, Taylor (Completed)
Co-Supervisor	Addison, Nicki (Completed)
Co-Supervisor	Keith, Margaux (Completed)
Co-Supervisor	Massar, Abbey (Completed)
Co-Supervisor	Lamontage, Angele (Completed)
Principal Supervisor	Jans, Marisa (Completed)
Principal Supervisor	Spence, Stacy (Completed) Student Degree Received Date: 2011/9
Principal Supervisor	Miller, Amanda (Completed) Student Degree Received Date: 2011/9
Principal Supervisor	Halliwell, Nicole (Completed) Student Degree Received Date: 2011/9

**Master's Thesis [n=13]**

Principal Supervisor	Sarah Ehr (In Progress)
Principal Supervisor	Nicole Lantz (Withdrawn)
Co-Supervisor	Ian Frietag (Completed) Student Degree Received Date: 2017/12
Principal Supervisor	Dana Grandmont (Completed) Student Degree Received Date: 2017/12
Co-Supervisor	Ehsan Misaghi (Completed) Student Degree Received Date: 2016/8
Co-Supervisor	Darian Bremmekamp (Completed) Student Degree Received Date: 2017/12
Principal Supervisor	Claire Rollans (Completed)
Co-Supervisor	Shrida Sahadevin (Completed)
Co-Supervisor	Andrea Tam (Completed)
Co-Supervisor	Kathryn Anton (Completed)
Co-Supervisor	Esch, Julia (Completed)
Principal Supervisor	Dai, Wenjun (Completed) Student Degree Received Date: 2012/12
Principal Supervisor	Amyotte, Josee (Completed) Student Degree Received Date: 2011/9

**Doctorate [n=6]**

Co-Supervisor	Kulpreet Cheema (In Progress)
Co-Supervisor	Craig St.Jean (In Progress)
Principal Supervisor	Angela Cullum (In Progress) Student Degree Expected Date: 2022/12, University of Alberta
Co-Supervisor	Cassidy Fleming (In Progress) , University of Alberta
Co-Supervisor	Alesha Reed (In Progress) Student Degree Expected Date: 2021/6
Co-Supervisor	Chouinard, Brea (Completed)

**Post-doctorate [n=3]**

Co-Supervisor	Lindsey Westover (In Progress)
Co-Supervisor	Shivraj Jhala (Completed)
Co-Supervisor	Reyhaneh Bakhtiari Kouhsorkhi (Completed)

**Research Associate [n=1]**

Principal Supervisor	Malis, Igor (Completed) Student Degree Received Date: 2010/4
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**Technician [n=1]**

Principal Supervisor	Eszter Szepesvari (Completed)
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## Journal Review Activities

2015/1	Cerebral Cortex Number of Works Reviewed / Refereed: 2
2015/1	Radiology Number of Works Reviewed / Refereed: 1
2015/1	Frontiers in Neuroscience Number of Works Reviewed / Refereed: 2
2009/1	Memory and Cognition Number of Works Reviewed / Refereed: 3
2009/1	Brain Number of Works Reviewed / Refereed: 1
2009/1	Acta Neurologica Scandinavica Number of Works Reviewed / Refereed: 1
2009/1	NeuroCase Number of Works Reviewed / Refereed: 2
2009/1	NeuroImage Number of Works Reviewed / Refereed: 7

## Graduate Examination Activities

2012/6	Master's Oral Exam Member, Rickie Hung, Educational Psychology, University of Alberta
2012/1 - 2016/6	Thesis Defense Examiner, Yvonne Chen, Neuroscience, University of Alberta
2012/1 - 2014/6	Master's Proposal Defense Member, Catherene Joseph, University of Alberta
2010/1 - 2012/12	Master's Proposal Defense Member, Christopher Maden, Psychology, University of Alberta
2010/1 - 2012/1	Thesis Defense Examiner, Nav Phangure, University of Alberta

## Research Funding Application Assessment Activities

2014/1	External Reviewer, NSERC Discovery Grants: Biological Systems and Functions, Funder, Academic Reviewer, NSERC, NSERC
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## Community and Volunteer Activities

2012/7	Reviewer for University of Alberta CIHR Feedback, University of Alberta
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## Knowledge and Technology Translation

2011/1	Member/Primary Presenter, Technology Transfer and Commercialization Group/Organization/Business Serviced: University of Alberta Research Community Target Stakeholder: Academic Personnel Outcome / Deliverable: Powerpoint presentations and documents/manuals outlining step-by-step procedures including equipment set-up, experimentation, and data analysis are provided to all individuals involved in the group.
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## Most Significant Contributions

- 2017/1                      Temporal autocorrelations and between subject heterogeneity in resting state functional connectivity  
This paper advances methodology with respect to functional connectivity approaches to analyzing brain imaging data. The approach is validated in a group on individuals with dyslexia and a typical reading group. The approach is rated as one of the top 3 methods for conducting functional connectivity in neuroimaging data.
- 2017/2                      Graphical modelling of the reading network in skilled and impaired readers: The role of the basal ganglia in the print to speech network  
This contribution represents a submitted publication to journal of cognitive neuroscience that 1) outlines the neural basis of the reading network in both skilled and impaired readers, 2) demonstrates the effectiveness of the functional connectivity approach to studying brain networks and 3) advances models of written communication by providing novel ideas about the role of speech production in reading.
- 2015/11                     Understanding the role of speech production in reading: Evidence for a print-to-speech network using graphical analysis  
This paper provides a framework for understanding the role of speech production in reading. It is a first demonstration of the application of graphical modelling analysis techniques to understanding print.

## Presentations

1. Fleming, Paslawski, Cummine. (2018). How related are reading and speech production in childhood apraxia of speech?. Speech Language and Audiology Canada Conference, Edmonton, Canada  
Main Audience: Knowledge User  
Invited?: No, Keynote?: No
2. Fleming, Cullum, Cummine. (2018). The relationship between speech production and reading in children and adolescents. Mental Lexicon conference, Edmonton, Canada  
Main Audience: Researcher  
Invited?: No, Keynote?: No
3. (2016). From print to speech: A framework for evaluating basic reading process. University of Saskatchewan, Saskatoon, Canada  
Main Audience: Researcher  
Invited?: Yes, Keynote?: No
4. (2015). Exploring the underlying neural networks of basic word reading using graphical models. Psychology Department Colloquium, Edmonton, Canada  
Main Audience: Researcher  
Invited?: Yes, Keynote?: No
5. (2015). Speech-language neural networks in skilled and impaired adult readers: Using graphical models to evaluate a print-to-speech network. Special Lecture in Psychology, London, Canada  
Main Audience: Researcher  
Invited?: Yes, Keynote?: No
6. (2015). Speech-language neural networks in skilled and impaired adult readers: Using graphical models to evaluate a print-to-speech network. Neuroscience and Mental Health Research Seminar Series, Edmonton, Canada  
Main Audience: Researcher  
Invited?: No, Keynote?: No

7. CA Boliek, J Cummine, J Esch, CE Franklin, WE Rogers, J Li, AL Parkinson. (2014). Neural networks in children for overt production of phonation and speech: An fMRI study. *Motor and Speech Disorders*, Alabama, United States  
Main Audience: Researcher  
Invited?: No, Keynote?: No
8. (2014). *Cognitive Neuroscience of Language*. Guest Lecturer in Psychology 302: Introduction of Cognitive Neuroscience, Edmonton, Canada  
Main Audience: Researcher  
Invited?: Yes, Keynote?: No
9. (2013). *Neuroimaging in Neuroscience: Applications to Language*. *Neuroimaging in Neuroscience" (BME 510)*, Edmonton, Canada  
Main Audience: Researcher  
Invited?: Yes, Keynote?: No

## Publications

### Journal Articles

1. Cheema, Kulpreet; Hodgetts, Williams; Cummine, Jacqueline. (2019). Is the letter 't' in the word 'gourmet'? A characterization of spelling networks between skilled and impaired readers. *Human Brain Mapping*.  
Submitted  
Refereed?: Yes, Open Access?: No  
Contribution Percentage: 41-50
2. Amberley V. Ostevik Lindsey Westover Haley Gynane Jordan Herst Jacqueline Cummine William E. Hodgetts. (2018). (2019). Comparison of Health Insurance Coverage for Hearing Aids and Other Services in Alberta. *Canadian Journal of Public Health*.  
Submitted  
Refereed?: Yes, Open Access?: No  
Contribution Percentage: 31-40
3. Angela Cullum, William Hodgetts, Trelani Chapman, Jacqueline Cummine. (2019). Cerebellar Activation During Reading Tasks: Exploring the Dichotomy between Motor vs. Language Functions in Adults of Varying Reading Proficiency. *The Cerebellum*.  
Revision Requested  
Refereed?: Yes, Open Access?: No  
Contribution Percentage: 51-60
4. Fleming, Cassidy Ley; Paslawski, Teresa M. PhD; Loucks, Torrey; Cummine, Jacqueline. (2019). "An Investigation of the Impact of Somatosensory Feedback on Reading Performance in Children with Childhood Apraxia of Speech: A Case-Control Series". *Journal of Communication Disorders*.  
Submitted  
Refereed?: Yes, Open Access?: No  
Contribution Percentage: 41-50
5. Reed, Alesha; Cummine, Jacqueline; Bhat, Neesha; Jhala, Shivraj; Boliek, Carol A. PhD. (2019). "The Effects of Transcranial Direct Current Stimulation (tDCS) Over FC5 On Speech Motor Control in Younger and Older Adults on an Overt Reading Task". *Journal of Speech, Language, and Hearing Research*.  
Submitted  
Refereed?: Yes, Open Access?: No  
Contribution Percentage: 31-40

6. Jacqueline Cummine<sup>1+</sup> & Angela Cullum<sup>1\*</sup>, Daniel Aalto<sup>1,2</sup>, Cassidy Fleming<sup>1</sup>, Amber Ostevik<sup>1</sup>, William E. Hodgetts<sup>1,2</sup>. (2019). Somatosensory Feedback Modifies Silent Reading Performance in Children. *Child Development*.  
Revision Requested  
Refereed?: Yes, Open Access?: No  
Contribution Percentage: 51-60
7. Jacqueline Cummine<sup>1+</sup>, Angela Cullum<sup>1\*</sup>, Daniel Aalto<sup>1,2</sup>, Tyson Sereda<sup>1</sup>, Cassidy Fleming<sup>1</sup>, Alesha Reed<sup>1</sup>, Amberley Ostevik<sup>1</sup>, Caroline Jeffery<sup>2,3</sup>, & William E. Hodgetts<sup>1,2</sup>. (2019). From Lollipops to Lidocaine: Changes in Somatosensory Feedback Modifies Silent Word Recognition Performance in Adults. *Cognition*.  
Submitted  
Refereed?: Yes, Open Access?: No  
Contribution Percentage: 51-60
8. Lindsey Westover, Ph.D. Amberley V Ostevik, M.Sc. Daniel Aalto, Ph.D Jacqueline Cummine, Ph,D William E Hodgetts, Ph.D. (2019). Evaluation of Word Recognition and Word Recall with Bone Conduction Devices: Do Directional Microphones Free up Cognitive Resources?. *International Journal for Audiology*.  
Submitted  
Refereed?: Yes, Open Access?: No  
Contribution Percentage: 31-40
9. Hodgetts, W.E. Aalto, D. Ostevik, A. Cummine, J. (2018). Meaning Responses in Audiology: Changing Hearing Performance and Sound Preference with Words and Expectations. *Ear and Hearing*. epub: 1-16.  
Accepted  
Refereed?: Yes, Open Access?: Yes  
Contribution Percentage: 51-60
10. Kulpreet Cheema Jacqueline Cummine. (2018). The Relationship Between White Matter and Reading Acquisition, Refinement and Maintenance. *Developmental Neuroscience*. NA: NA.  
Accepted  
Refereed?: Yes, Open Access?: No  
Contribution Percentage: 41-50
11. Jacqueline Cummine, Daniel Aalto, Amberley Ostevik, Kulpreet Cheema, William Hodgetts. (2018). To name or not to name: The role of response inhibition in reading. *Journal of Psycholinguistics*. 47(5): 999-1014.  
Published  
Refereed?: Yes, Open Access?: No  
Contribution Percentage: 41-50
12. Brea Chouinard, Joanne Volden, John Hollinger, Jacqueline Cummine. (2018). Processing Spoken and Written Metaphors: Comparison Using the Metaphor Interference Effect. *Discourse Processes*. NA: NA.  
Accepted  
Refereed?: Yes, Open Access?: No  
Contribution Percentage: 31-40
13. Carol A Boliek, Reyhaneh Bakhtiari, Lauren Pedersen, Julia R Esch, and Jacqueline Cummine. (2018). **Differential Cortical Control of Chest Wall Muscles during Pressure- and Volume-Related Expiratory Tasks and the Effects of Acute Expiratory Threshold Loading** . *Motor Control*. NA: NA.  
Accepted  
Refereed?: Yes, Open Access?: No  
Contribution Percentage: 21-30

14. Jacqueline Cummine, Carol A. Boliek, Tessa McKibben, Aamn Jaswal, Marc F. Joanisse. (2018). Transcranial direct current stimulation (tDCS) selectively modulates semantic information during reading. *Brain and Language*. n/a: 0.  
In Press  
Refereed?: Yes, Open Access?: No  
Contribution Percentage: 51-60
15. Julia Craig<sup>1</sup>, Amberley V. Ostevik, MSc<sup>2</sup>, Lindsey Westover, PhD<sup>2</sup>, Bill Hodgetts, PhD<sup>2,3</sup>, Jacqueline Cummine, PhD<sup>2,4</sup>. (2018). To Go or Not to Go: Exploring brain activation during response inhibition reading tasks. *Spectrum*.  
Submitted  
Refereed?: Yes, Open Access?: Yes  
Contribution Percentage: 41-50
16. Brea Chouinard Joanne Volden Ivor Cribben Jacqueline Cummine. (2017). Neurological evaluation of the selection stage of metaphor comprehension in individuals with and without autism spectrum disorder. *Neuroscience*. Unknown: Unknown.  
Accepted  
Refereed?: Yes, Open Access?: No  
Contribution Percentage: 21-30
17. Reyhaneh Bakhtiari, Jacqueline Cummine, Alesha Reed, Cynthia M. Fox, Ivor Cribben, & Carol A. Boliek. (2017). Changes in brain activity following intensive voice treatment in children with cerebral palsy. *Human Brain Mapping*. Unknown: Unknown.  
Accepted  
Refereed?: Yes, Open Access?: No  
Contribution Percentage: 21-30
18. Kulpreet Cheema Nicole Lantz Jacqueline Cummine. (2017). Exploring the role of subcortical structures in developmental reading impairments: Evidence for subgroups differentiated by caudate activity. *NeuroReport*. Unknown: Unknown.  
Accepted  
Refereed?: Yes, Open Access?: No  
Contribution Percentage: 31-40
19. Claire Rollans and Jacqueline Cummine. (2017). One tract, two tract, old tract, new tract: a pilot study of the structural and functional differentiation of the inferior fronto-occipital fasciculus. *Journal of Neurolinguistics*. NA: NA.  
Accepted  
Refereed?: Yes, Open Access?: No  
Contribution Percentage: 51-60
20. Claire Rollans, George K. Georgiou, Kulpreet Cheema Jacqueline Cummine. (2017). The Role of White Matter Microstructure in Rapid Naming: A Diffusion Tensor Imaging Study. *Neuroscience*. Unknown: Unknown.  
Accepted  
Refereed?: Yes, Open Access?: No  
Contribution Percentage: 41-50
21. Alesha Reed, Jacqueline Cummine Reyhaneh Bakhtiari, Cynthia M Fox, Carol A Boliek. (2017). Changes in white matter integrity following intensive voice treatment (LSVT LOUD) in children with cerebral palsy and motor speech disorders. *Developmental Neuroscience*. Unknown: Unknown.  
Accepted  
Refereed?: Yes, Open Access?: No  
Contribution Percentage: 21-30

22. Jacqueline Cummine, \*Shivraj Jhala, \*George Georgiou, Ivor Cribben, Jillian Frietag, Carol A. Boliek. (2017). Graphical modeling of the reading network for skilled and impaired readers: The role of the basal ganglia in the print-to-speech network. *Brain Structure and Function*. NA: NA.  
Submitted  
Refereed?: Yes, Open Access?: No  
Contribution Percentage: 61-70
23. Jacqueline Cummine, Wahab Hanif, Inna Dymouriak-Tymashov, Kavya Anchuri, Stephanie Chiu, Carol Boliek. (2017). The role of the supplementary motor region in overt speech production: Evidence for differential processing in SMA-proper and pre-SMA as a function of task demands. *Brain Topography*. 30: 579-591.  
Accepted  
Refereed?: Yes, Open Access?: No  
Contribution Percentage: 61-70
24. Mark Fiecas, Ivor Cribben, Reyhaneh Bahktiari, Jacqueline Cummine. (2017). Temporal autocorrelation and between-subject heterogeneity in resting-state functional connectivity. *NeuroImage*. 149: 256-266.  
Accepted  
Refereed?: Yes, Open Access?: No  
Contribution Percentage: 0-10
25. Brea Chouinard Carol Boliek Jacqueline Cummine. (2016). How to Interpret and Critique fMRI Research: A Tutorial for Clinical Speech Language Pathologists. *American Journal of Speech Language Pathology*. 25: 269-289.  
Published  
Refereed?: Yes, Open Access?: No  
Contribution Percentage: 31-40
26. Chris Westbury, Ivor Cribben, Jacqueline Cummine. (2016). Imaging imageability: Neural correlates of its interaction with affect and context. *Frontiers in Human Neuroscience*. 10: 346-356.  
Accepted  
Refereed?: Yes, Open Access?: Yes  
Contribution Percentage: 31-40
27. Kulpreet Cheema and Jacqueline Cummine. (2016). Developing a neuroanatomical model of spelling in adults: The usefulness of pseudohomophones in go/no-go tasks. *Reading and Writing*. NA: NA.  
Submitted  
Refereed?: Yes, Open Access?: No  
Contribution Percentage: 41-50
28. Brea Chouinard Jacqueline Cummine. (2016). All the world's a stage: Evaluation of two stages of metaphor comprehension in people with autism spectrum disorder. *Research in Autism Spectrum Disorder*. 23: 107-121.  
Published  
Refereed?: Yes, Open Access?: No  
Contribution Percentage: 41-50
29. Jacqueline Cummine, Ivor Cribben, Connie Luu, Esther Kim, Reyhaneh Bahktiari, George Georgiou, Carol A. Boliek. (2016). Exploring the underlying neural networks of basic word reading using graphical models. *Neuropsychology*. 30: 385-397.  
Published  
Refereed?: Yes, Open Access?: No  
Contribution Percentage: 61-70

30. Bill Hodgetts Amberley Ostevik Daniel Aalto Jacqueline Cummine. (2016). Don't Fade Into the Background: A randomized trial exploring the effects of message framing in audiology. *American Journal of Speech Language Pathology*. 41: 175-204.  
Published  
Refereed?: Yes, Open Access?: No  
Contribution Percentage: 21-30
31. Jacqueline Cummine, Eszter Szepesvari, Brea Chouinard, George K. Georgiou. (2015). AN EXAMINATION OF THE RAPID AUTOMATIZED NAMING–READING RELATIONSHIP USING FUNCTIONAL MAGNETIC RESONANCE IMAGING. *Neuroscience*. 305: 39-56.  
Published  
Refereed?: Yes, Open Access?: No  
Contribution Percentage: 61-70
32. Reyhaneh Bahktiari, Carol Boliek, Jacqueline Cummine. (2014). Investigating Contribution of Ventral-Lexical and Dorsal-Sublexical Pathways during Reading in Bilinguals. *Frontiers in Human Neuroscience*. 8: 1-10.  
Published  
Refereed?: Yes, Open Access?: Yes  
Contribution Percentage: 41-50
33. Jacqueline Cummine; Eszter Szepesvari; Brea Chouinard; Wahab Hanif; George K Georgiou. (2014). A Functional Investigation of RAN Letters, Digits, and Objects: How Similar Are They?. *Behavioural Brain Research*. 275: 157-165.  
Published  
Refereed?: Yes, Open Access?: No  
Contribution Percentage: 41-50
34. Cummine, Jacqueline Boliek, Carol Ann. (2013). Understanding white matter integrity stability for bilinguals on language status and reading performance. *Brain Structure and Function*. 218(2): 1-7.  
Published  
Refereed?: Yes, Open Access?: No  
Contribution Percentage: 71-80
35. Cummine J, Gould L, Zhou C, Hrybouski S, Siddiqi Z, Chouinard B, Borowsky R. (2013). Manipulating instructions strategically affects reliance on the ventral-lexical reading stream: Converging evidence from neuroimaging and reaction time. *Brain and Language*. 125(2): 203-214.  
Published  
Refereed?: Yes, Open Access?: No  
Contribution Percentage: 51-60
36. Cummine, J., Gould L., Zhou C., Siddiqi Z., Hrybouski S., Chouinard B., Borowsky R. (2013). Varying reliance on visual processing streams as a function of task demands in reading aloud. *Brain and Language*. 125: 203-214.  
Published  
Refereed?: Yes, Open Access?: No  
Contribution Percentage: 51-60
37. Jacqueline Cummine, Ph.D. Wenjun Dai, MScSLP Ron Borowsky, PhD Layla Gould, BSc Claire Rollans Carol A. Boliek, PhD. (2013). Investigating the Ventral-Lexical, Dorsal-Sub-lexical Model of Basic Reading Processes Using Diffusion Tensor Imaging. *Brain Structure and Function*. 220: 445-455.  
Published  
Refereed?: Yes, Open Access?: No  
Contribution Percentage: 31-40

## Conference Publications

1. (2013). Overt Production of Phonation and Speech: An fMRI Study of the Neural Networks in Children. Canadian Society for Brain, Behaviour and Cognitive Science (CSBBCS) (290-290). CANADIAN JOURNAL OF EXPERIMENTAL PSYCHOLOGY-REVUE CANADIENNE DE PSYCHOLOGIE EXPERIMENTALE  
Abstract  
Published  
Refereed?: Yes, Invited?: No  
Contribution Percentage: 21-30