

# Department of Speech Pathology & Audiology

Faculty of Rehabilitation Medicine  
University of Alberta



**Annual Report  
2012-2013**



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## Message from the Chair

I am pleased to present this report of the activities and accomplishments of the Department of Speech Pathology and Audiology (SPA) during the 2012-13 academic year. We admitted 57 new students to the MScSLP program in September 2012, 5 of whom selected the optional thesis track. In June and November 2012 combined, 67 MScSLP students convocated. We expect great things from them as they transition from student life to successful professional careers.

We are very grateful for the many wonderful new and returning sessional instructors and part-time clinical educators who joined us in 2012-13. For example, Judy Meintzer taught two child language courses, and Eric Jackson came all the way from New York City to teach the fluency course. Dr. Deryk Beal joined our department as an Assistant Professor in September, 2012. Dr. Beal is also the new Executive Director of the Institute for Stuttering Treatment and Research.

Our students were busy throughout the year not only with classes and clinical placements, but also with their research projects. Check out the impressive list of completed theses and SPA 900 projects beginning on pg. 46 of this report, or look for the full reports on our website. Once again our MScSLP students were highly successful in obtaining awards and scholarships (see pp. 9-12), confirming the high caliber of students who choose to study with us.

The amount of new external funding for research grants awarded to SPA faculty members increased by 50% over the previous year, and the amount of new funding from federal sources doubled. We are encouraged by this upward trend and believe it foreshadows continued progress in the coming years.

Several SPA faculty members were recognized in 2012-13 for their excellence in teaching and/or career contributions. For example, Deborah Kully received a Queen Elizabeth II Diamond Jubilee Medal, Dr. Megan Hodge received a University of Alberta Alumni Honour Award, and Dr. Al Cook received an Education Award from the Seniors Association of Greater Edmonton. Dr. Carol Boliek received a university-wide Award for Excellence in Graduate Teaching. Drs. Stuart Cleary and Teresa Paslawski also received Faculty-level teaching awards. We are so proud of all of these outstanding accomplishments.

For me, 2012-13 was a year full of proposals for exciting new initiatives. The department developed proposals for a combined MScSLP/PhD program and for new space in the Clinical Sciences Building. We also created a steering committee and hired a Health Care Consultant, Sue Peters, and began work on the proposal for a new audiology degree program. As my second 5-yr term as Chair comes to a close in the coming year, I look forward to moving these and other new proposals through the approval process and into implementation.



Karen E. Pollock, Ph.D., R.SLP, Professor and Chair

## Mission Statement

The Department of Speech Pathology and Audiology promotes excellence in speech-language pathology practice by:

- providing the highest quality of speech-language pathology education
- producing competent entry-level speech-language pathologists who will serve paediatric to geriatric populations across Canada
- promoting evidence-based clinical service delivery
- generating new knowledge through research
- encouraging the development of future academics (researchers and educators) in speech-language pathology
- enhancing our reputation as an outstanding national clinical training and research centre



## Department Personnel

### Faculty

#### *Professors*

**Carol Boliek, PhD**  
Professor

**Albert Cook, PhD**  
Professor

**Tammy Hopper, PhD**  
Professor and Associate Dean for  
Graduate Studies and Research, Faculty  
of Rehabilitation Medicine

**Karen Pollock, PhD**  
Professor & Chair

**Jana Rieger, PhD**  
Professor

**Phyllis Schneider, PhD**  
Professor

**Joanne Volden, PhD**  
Professor  
Graduate Coordinator

#### *Associate Professors*

**Melanie Campbell, PhD**  
Associate Professor & Associate Chair  
Graduate Admissions Advisor

**Stuart Cleary, PhD**  
Associate Professor

**Jacqueline Cummine, PhD**  
Associate Professor

**Bill Hodgetts, PhD**  
Associate Professor

**Marilyn Langevin, PhD**  
Associate Professor

**Lu-Anne McFarlane**  
Associate Professor  
Academic Coordinator of Clinical Education

**Ming Zhang, PhD**  
Associate Professor

***Assistant Professors***

**Deryk Beal, PhD**

Assistant Professor  
(effective September 2012)

**Esther Kim, PhD**

Assistant Professor

**Teresa Paslawski, PhD**

Assistant Professor

***New Hires***

**Monique Charest, PhD**

Assistant Professor  
(effective July 2013)

***Professor Emeriti***

S Greiter, PhD  
P Hagler, PhD  
M Hodge, PhD  
G Holdgrafer, PhD  
AH Rochet, PhD

***Sessional Instructors (2012-13)***

Judy Meintzer

SPA 511 Child Language Development and Assessment & SPA 518 Remediation of Child  
Language Disorders

Christine Beliveau

SPA 523 Augmentative/Alternative Communication Systems

Eric Jackson

SPA 528 Fluency

***Part-Time Clinical Educators (2013)***

Janine Chesworth

Wendy Mitchell

Karen A. Pollock

Morgan Whiteside

***Clinical Assistant Professors***

**Sue Decker**

Clinical Assistant Professor

**Sandy Diediw**

Clinical Assistant Professor

**Debra Martin**

Clinical Assistant Professor

**Randa Tomczak**

Clinical Assistant Professor  
Teaching Lab Coordinator

***Adjunct Associate Professors***

K Ritter, PhD

D Truscott, PhD

B Tucker, PhD

***Adjunct Assistant Professor***

S Rafaat, MSc

***Postdoctoral Fellows***

Hyunju Chung, PhD

Corey Tomczak, PhD

**Administrative Staff**

**Carol Gray**

Clinical Education Assistant

**Noriko Major**

Receptionist/Office Assistant

**Shelley Richmond**

Resource Assistant

**Vicki Trombley**

Administrative Coordinator



## **Faculty Awards**

**Dr. Al Cook**

Seniors Association of Greater Edmonton (SAGE) Award for Education 2013

**Dr. Carol Boliek**

Award for Excellence in Graduate Teaching 2013

**Dr. Carol Boliek**

Best Scientific Poster at the 2012 Meeting of the American Academy for Cerebral Palsy and Developmental Medicine

**Dr. Stuart Cleary**

Faculty of Rehabilitation Medicine Teaching Award 2013 (shared with Geoffrey Bostick)

**Dr. Megan Hodge**

University of Alberta Alumni Honour Award

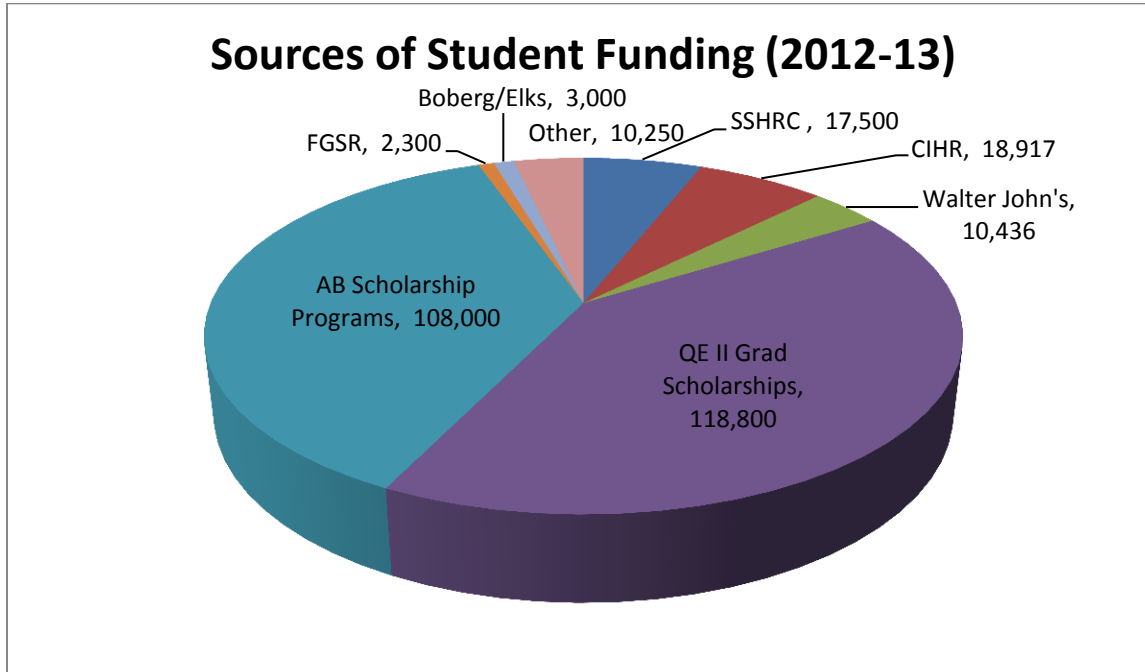
**Deborah Kully**

Queen Elizabeth II Diamond Jubilee Medal 2012

**Dr. Teresa Paslawski**

Rehabilitation Medicine Student Association (RMSA) Teaching Award – Speech Pathology & Audiology 2013

## MScSLP Student Awards and Scholarships



Student name	Award/Scholarship Name	Value
Annable, Caitlin	Alberta Scholarship Programs Graduate Student Scholarships GPA 3.6 and above	\$3,000.00
Baraniski, Tamara	Alberta Scholarship Programs Graduate Student Scholarships GPA 3.6 and above	\$3,000.00
Baum, Marla	Queen Elizabeth II Graduate Scholarship	\$5,400.00
Baum, Marla	Alberta Scholarship Programs Graduate Student Scholarships GPA 3.6 and above	\$3,000.00
Boyd, Danielle	Alberta Scholarship Programs Graduate Student Scholarships GPA 3.6 and above	\$3,000.00
Brown, Irene (Meara)	Queen Elizabeth II Graduate Scholarship	\$5,400.00
Brown, Irene (Meara)	Alberta Scholarship Programs Graduate Student Scholarships GPA 3.6 and above	\$3,000.00
Camlis, Whitney	Alberta Scholarship Programs Graduate Student Scholarships GPA 3.6 and above	\$3,000.00
Cartmell, Melissa	Queen Elizabeth II Graduate Scholarship	\$5,400.00

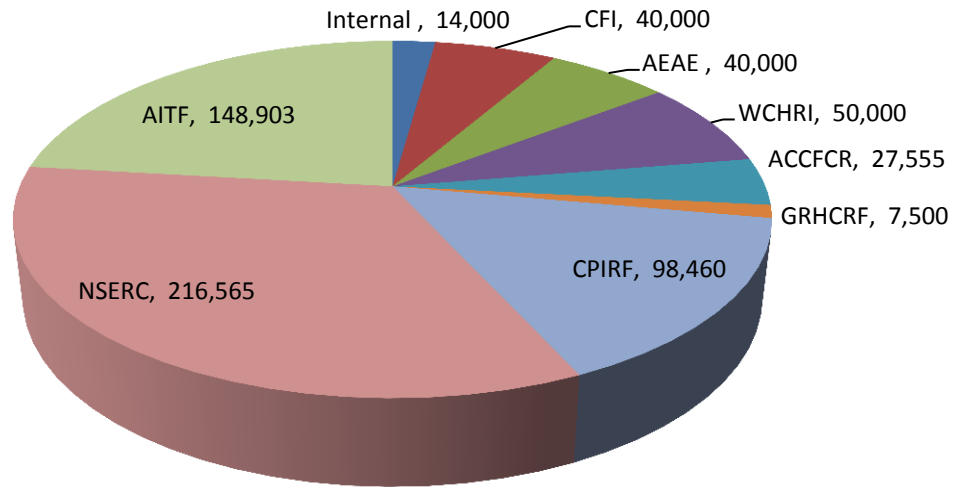
<b>Student name</b>	<b>Award/Scholarship Name</b>	<b>Value</b>
Cartmell, Melissa	Alberta Scholarship Programs Graduate Student Scholarships GPA 3.6 and above	\$3,000.00
Chan, Eve	Alberta Scholarship Programs Graduate Student Scholarships GPA 3.6 and above	\$3,000.00
Courchesne, Adele	CIHR Frederick Banting and Charles Best Canada Graduate Scholarships	\$17,500.00
Courchesne, Adele	Walter H Johns Graduate Fellowship	\$5,218.00
Courchesne, Adele	Alberta Scholarship Programs Graduate Student Scholarships GPA 3.6 and above	\$3,000.00
Coutts, Brittany	Queen Elizabeth II Graduate Scholarship	\$10,800.00
Coutts, Brittany	Alberta Scholarship Programs Graduate Student Scholarships GPA 3.6 and above	\$3,000.00
Dudar, Krysta	Alberta Scholarship Programs Graduate Student Scholarships GPA 3.6 and above	\$3,000.00
Edwards, Lauren	Alberta Scholarship Programs Graduate Student Scholarships GPA 3.6 and above	\$3,000.00
Esch, Julia	Edmonton (Host) Lions Club Award	\$950.00
Farr, Kathryn	Queen Elizabeth II Graduate Scholarship	\$5,400.00
Farr, Kathryn	Alberta Scholarship Programs Graduate Student Scholarships GPA 3.6 and above	\$3,000.00
Filion, Lisa	Alberta Scholarship Programs Graduate Student Scholarships GPA 3.6 and above	\$3,000.00
Fung, Jennifer	Queen Elizabeth II Graduate Scholarship	\$5,400.00
Fung, Jennifer	Alberta Scholarship Programs Graduate Student Scholarships GPA 3.6 and above	\$3,000.00
Gervais, Cyndal	Queen Elizabeth II Graduate Scholarship	\$10,800.00
Gervais, Cyndal	Einer Boberg/Alberta Elks Foundation Memorial Graduate Award	\$1,500.00
Gervais, Cyndal	Evelyn & Gene Norville Memorial Graduate Scholarship	\$1,200.00
Gervais, Cyndal	Alberta Scholarship Programs Graduate Student Scholarships GPA 3.6 and above	\$3,000.00
Guidi, Rina	Einer Boberg/Alberta Elks Foundation Memorial Graduate Award	\$1,500.00
Guidi, Rina	Alberta Scholarship Programs Graduate Student Scholarships GPA 3.6 and above	\$3,000.00
Hickey, Marlana	Thelma R Scambler Scholarship	\$1,900.00
Hickey, Marlana	Alberta Scholarship Programs Graduate Student Scholarships GPA 3.6 and above	\$3,000.00
Hill, Emily	SSHRC Joseph-Armand Bombardier Canada Graduate Scholarships Program	\$17,500.00

<b>Student name</b>	<b>Award/Scholarship Name</b>	<b>Value</b>
Hill, Emily	Walter H Johns Graduate Fellowship	\$5,218.00
Hill, Emily	Alberta Scholarship Programs Graduate Student Scholarships GPA 3.6 and above	\$3,000.00
Hoskyn, Tassani	Queen Elizabeth II Graduate Scholarship	\$5,400.00
Hoskyn, Tassani	Alberta Scholarship Programs Graduate Student Scholarships GPA 3.6 and above	\$3,000.00
Keith, Margaux	Alberta Scholarship Programs Graduate Student Scholarships GPA 3.6 and above	\$3,000.00
Komar, Laurene	Alberta Scholarship Programs Graduate Student Scholarships GPA 3.6 and above	\$3,000.00
Lamontagne, Angele	E. William Kuder Memorial Graduate Scholarship in RM	\$1,500.00
Lesy, Shay	Alberta Scholarship Programs Graduate Student Scholarships GPA 3.6 and above	\$3,000.00
Lindsay, Alanna	Queen Elizabeth II Graduate Scholarship	\$10,800.00
Lysay, Katryna	Oil Sevice Charitable Organizatio Graduate Scholarship	\$2,200.00
MacLurg, Amanda	E. William Kuder Memorial Graduate Scholarship in RM	\$1,500.00
Mager, Brianna	RMSA Student Award	\$1,000
Manneck, Danielle	Queen Elizabeth II Graduate Scholarship	\$5,400.00
Miller, Pamela	Queen Elizabeth II Graduate Scholarship	\$10,800.00
Miller, Pamela	Alberta Scholarship Programs Graduate Student Scholarships GPA 3.6 and above	\$3,000.00
Mitchell, Megan	Queen Elizabeth II Graduate Scholarship	\$10,800.00
Mitchell, Megan	Alberta Scholarship Programs Graduate Student Scholarships GPA 3.6 and above	\$3,000.00
Musca, Angela	Alberta Scholarship Programs Graduate Student Scholarships GPA 3.6 and above	\$3,000.00
Nickel, Liane	Alberta Scholarship Programs Graduate Student Scholarships GPA 3.6 and above	\$3,000.00
O'Brien, Colleen	CASLPA Student Excellence Award 2013	Honorary
O'Brien, Colleen	FGSR, Profiling Alberta's Graduate Students Award	\$1,100.00
Ortlieb, Andrea	Queen Elizabeth II Graduate Scholarship	\$10,800.00
Palmer, Jenna	Queen Elizabeth II Graduate Scholarship	\$5,400.00
Palmer, Jenna	Alberta Scholarship Programs Graduate Student Scholarships GPA 3.6 and above	\$3,000.00
Peddle, Stephanie	Alberta Scholarship Programs Graduate Student Scholarships GPA 3.6 and above	\$3,000.00

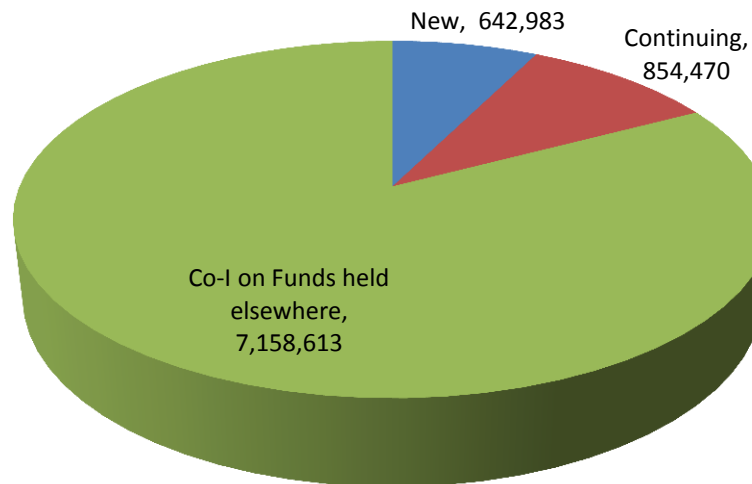
<b>Student name</b>	<b>Award/Scholarship Name</b>	<b>Value</b>
Riemer, Ashley	Alberta Scholarship Programs Graduate Student Scholarships GPA 3.6 and above	\$3,000.00
Ross, Jillian	Alberta Scholarship Programs Graduate Student Scholarships GPA 3.6 and above	\$3,000.00
Schmidt, Tawnya	CIHR Health Professional Student Research Award	\$1,417.00
Sommerfedt, Kaitlan	Alberta Scholarship Programs Graduate Student Scholarships GPA 3.6 and above	\$3,000.00
Tolman, Erica	Friends of FGSR Scholarship	\$1,200.00
Tolman, Erica	Alberta Scholarship Programs Graduate Student Scholarships GPA 3.6 and above	\$3,000.00
Treen, Jana	Queen Elizabeth II Graduate Scholarship	\$10,800.00
Tyler, Karmyn	Alberta Scholarship Programs Graduate Student Scholarships GPA 3.6 and above	\$3,000.00
Williamson, Robert	Alberta Scholarship Programs Graduate Student Scholarships GPA 3.6 and above	\$3,000.00
Wu, Tong	Alberta Scholarship Programs Graduate Student Scholarships GPA 3.6 and above	\$3,000.00
<b>Total</b>		<b>\$289,203.00</b>

## Research Funding

### Sources of New Grant Funding (2012-13)



### Total Funding (2012-13)



## New Research Funding 2012-2013

<b>Author</b>	<b>Dr. Deryk Beal</b>
Title of Grant	Genetic contributions to developmental stuttering
Funding Agency	Women and Children's Health Research Institute
Total Amount of Award	\$50,000
Dates of Funding	2013 - 2015

<b>Author</b>	<b>Drs. Deryk Beal and Carol Boliek</b>
Title of Grant	Motor sequence learning in children who stutter
Funding Agency	Faculty of Rehabilitation Medicine
Total Amount of Award	\$6,000
Dates of Funding	2013 - 2014

<b>Author</b>	<b>Dr. Carol Boliek</b>
Title of Grant	The Development and Refinement of Neural Regulation of Chest Wall Motor Control for Voluntary Breathing During Simple and Complex Tasks
Funding Agency	Natural Sciences and Engineering Research Council (NSERC)
Total Amount of Award	\$125,000
Dates of Funding	2013 - 2018

<b>Author</b>	<b>Dr. Carol Boliek</b>
Title of Grant	Neural correlates of intensive voice treatment effects on children with cerebral palsy
Funding Agency	Cerebral Palsy International Research Foundation
Total Amount of Award	\$98,468
Dates of Funding	2012 - 2014

<b>Author</b>	<b>Drs. Esther Kim and Jacqueline Cummine</b>
Title of Grant	Cognitive and Neural Mechanisms of Language and Working Memory
Funding Agency	Canada Foundation for Innovation Leaders Opportunity Fund
Total Amount of Award	\$40,000
Dates of Funding	2013 - 2014

<b>Author</b>	<b>Drs. Esther Kim and Jacqueline Cummine</b>
Title of Grant	Cognitive and Neural Mechanisms of Language and Working Memory
Funding Agency	Alberta Enterprise and Advanced Education (AEAE) Small Equipment Grants Program
Total Amount of Award	\$40,000
Dates of Funding	2013 - 2014

<b>Author</b>	<b>Drs. Benjamin Tucker and Karen Pollock</b>
Title of Grant	Developing interactive online lab activities and an online course for Phonetics
Funding Agency	University of Alberta Teaching & Learning Enhancement Fund (TLEF)
Total Amount of Award	\$48,810 (all funds held in Dept of Linguistics)
Dates of Funding	2013 - Present

<b>Author</b>	<b>Dr. Jana Rieger</b>
Title of Grant	Portable Swallowing Therapy Unit
Funding Agency	University of Alberta Interdisciplinary Health Research Academy
Total Amount of Award	\$8,000
Dates of Funding	2013 - Present

<b>Author</b>	<b>Dr. Joanne Volden</b>
Title of Grant	The impact of impaired communication on employment prospects for high-functioning young adults with ASD
Funding Agency	Alberta Centre for Child, Family & Community Research
Total Amount of Award	\$27,555
Dates of Funding	2013 - Present



<b>Author</b>	<b>Dr. Joanne Volden</b>
Title of Grant	Getting to work: The impact of impaired communication on employment prospects for high-functioning young adults with ASD
Funding Agency	Glenrose Hospital Foundation
Total Amount of Award	\$7,500
Dates of Funding	2012 - Present

<b>Author</b>	<b>Dr. Ming Zhang</b>
Title of Grant	The Development of a Concha Electrode for Electrocochleography (ECoChG)
Funding Agency	NSERC
Total Amount of Award	\$91,565
Dates of Funding	2013 - Present

<b>Author</b>	<b>Dr. Ming Zhang</b>
Title of Grant	Micro-LED Device and Photon Ear
Funding Agency	Alberta Innovates Technology Futures
Total Amount of Award	\$148,903
Dates of Funding	2013 - Present

## Continuing Research Funding

<b>Author</b>	<b>Drs. Jacqueline Cummine and Teresa Paslawski</b>
Title of Grant	Neurobiological Recovery in Aphasia.
Funding Agency	Faculty of Rehabilitation Medicine CIHR Initiative
Total Amount of Award	\$10,000
Dates of Funding	2012 - 2013

<b>Author</b>	<b>Dr. Jacqueline Cummine</b>
Title of Grant	Understanding Basic Reading Processes: A Behavioural and Neuroanatomical Approach.
Funding Agency	NSERC Discovery Grant
Total Amount of Award	\$145,000
Dates of Funding	2012 - 2017

<b>Author</b>	<b>Dr. Bill Hodgetts</b>
Title of Grant	Bone Anchored Hearing Aid (BAHA) Prescription and Verification System (BAHA PVS)
Funding Agency	Western Economic Partnership Program and Western Economic Diversification
Total Amount of Award	\$402,000
Dates of Funding	2010 - Present

<b>Author</b>	<b>Dr. Tammy Hopper, Susan Slaughter and Dr. Bill Hodgetts</b>
Title of Grant	Hearing loss as a contributor to excess disability among long-term care residents with dementia
Funding Agency	CIHR Catalyst Grant - Pilot Projects in Aging
Total Amount of Award	\$46,475
Dates of Funding	2010 - Present

<b>Author</b>	<b>Dr. Bill Hodgetts and A. Ho</b>
Title of Grant	Automated vs manual audiometry in patients with complex hearing
Funding Agency	Covenant Health Research Grant
Total Amount of Award	\$4,724
Dates of Funding	2010 - Present

<b>Author</b>	<b>Dr. Bill Hodgetts and W. Osswald</b>
Title of Grant	Skin Response Around Percutaneous Implants
Funding Agency	Covenant Health Research Grant
Total Amount of Award	\$5,000
Dates of Funding	2010 - Present

<b>Author</b>	<b>Dr. Bill Hodgetts</b>
Title of Grant	BAHS Prescription and Verification Procedure
Funding Agency	Institute for Reconstructive Sciences in Medicine
Total Amount of Award	\$25,000
Dates of Funding	2011 - 2014

<b>Author</b>	<b>Dr. Marilyn Langevin</b>
Title of Grant	Relationship between Cerebral Oxygenation and Reading Fluency in Stuttering and Non-stuttering School-age children: A Near Infrared Spectroscopy Pilot Study
Funding Agency	Women and Children's Health Research Institute
Total Amount of Award	\$30,000
Dates of Funding	2010 - 2013

<b>Author</b>	Sharla King (PI), <b>Lu-Anne McFarlane, Dr. Teresa Paslawski et al. (Co-Investigators)</b>
Title of Grant	Integration of Interprofessional Competencies in Health Science Programs: Building a Bridge from the Classroom to Practice Environments
Funding Agency	Teaching and Learning Enhancement Fund
Total Amount of Award	\$131,053 (funds held elsewhere)
Dates of Funding	2011 - 2013

<b>Author</b>	<b>Drs. Karen Pollock and Hyunju Chung</b>
Title of Grant	Rhotic Vowel Acquisition in Children with and without Speech Sound Disorders
Funding Agency	Faculty of Rehabilitation Medicine
Total Amount of Award	\$8,000
Dates of Funding	2012 - 2013

<b>Author</b>	McLeod, A., LeFebvre, P., Paradis, J., Sutton, A., Trudeau, N., & <b>Schneider, P.</b>
Title of Grant	Islands and Peninsulas: Speech and language skills of 4-year-old children in Official Language Minority Communities.
Funding Agency	CIHR
Total Amount of Award	\$99,895
Dates of Funding	2011 - 2014

<b>Author</b>	Dr. P. Szatmari (PI), et al. ( <b>Dr. Joanne Volden, Co-Investigator</b> )
Title of Grant	Autism Spectrum disorders: Pathways to Better Outcomes (Phase II)
Funding Agency	CIHR
Total Amount of Award	\$1,712,750 (funds held elsewhere)
Dates of Funding	2009 - 2014

<b>Author</b>	Dr. E. Fombonne (PI) et al. ( <b>Dr. Joanne Volden, Co-Investigator</b> )
Title of Grant	Autism Research Training (ART) program
Funding Agency	CIHR
Total Amount of Award	\$1,950,000 (funds held elsewhere)
Dates of Funding	2009 - 2015

<b>Author</b>	Dr. L. Zwaigenbaum (PI) et al. ( <b>Dr. Joanne Volden, Co-Investigator</b> )
Title of Grant	Genomic Influences on Brain and Behavioral Trajectories in autism Spectrum Disorders
Funding Agency	NeuroDevNet - NCE
Total Amount of Award	\$3,000,000 (funds held elsewhere)
Dates of Funding	2010 - 2013

<b>Author</b>	Dr. L. Zwaigenbaum (PI) et al. ( <b>Dr. Joanne Volden, Co-Investigator</b> )
Title of Grant	Autism Research Centre as Autism Treatment Network Site
Funding Agency	Autism Speaks
Total Amount of Award	\$416,000 (funds held elsewhere)
Dates of Funding	2011 - 2014

<b>Author</b>	<b>Dr. Ming Zhang</b>
Title of Grant	Cochlear low-frequency electrical responses
Funding Agency	Glenrose Rehabilitation Hospital Foundation
Total Amount of Award	\$10,000
Dates of Funding	2010 - Present

<b>Author</b>	K. Packford (Clinician) & <b>Dr. Ming Zhang</b>
Title of Grant	Remote ABR via Telehealth: A Study in Improving Patient Access to Audiology Services
Funding Agency	Canadian Association of Speech-Language Pathologists & Audiologists (CASLPA) Clinical Research Grants
Total Amount of Award	\$2,500
Dates of Funding	2010 - 2012

<b>Author</b>	<b>Dr. Ming Zhang</b>
Title of Grant	Cochlear low-frequency electrical responses
Funding Agency	Canada Foundation for Innovation
Total Amount of Award	\$100,200
Dates of Funding	2010 - Present

<b>Author</b>	<b>Dr. Ming Zhang</b>
Title of Grant	Cochlear low-frequency electrical responses
Funding Agency	University of Alberta Vice-President Matching Funds for Canada Foundation for Innovation grant
Total Amount of Award	\$43,096
Dates of Funding	2011 - Present

<b>Author</b>	Li Qi (Clinician) & <b>Dr. Ming Zhang</b>
Title of Grant	Using 1000-Hz tympanometry to reduce false-positive rates in newborn hearing screening
Funding Agency	CASLPA Clinical Research Grants
Total Amount of Award	\$2,500
Dates of Funding	2011 - Present

<b>Author</b>	<b>Dr. Ming Zhang</b>
Title of Grant	The Development of a Concha Electrode for Electrocochleography (ECochG)
Funding Agency	NSERC
Total Amount of Award	\$9,975
Dates of Funding	2012 - Present

<b>Author</b>	<b>Dr. Ming Zhang</b>
Title of Grant	Remapping tinnitus cortex
Funding Agency	Faculty of Rehabilitation Medicine
Total Amount of Award	\$10,000
Dates of Funding	2012 - Present

## Publications

### Book Chapters

**Hodge, M.** (2013). Developmental dysarthria in L.Cummings (ed.) *The Cambridge Handbook of Communication Disorders*, pp. 26-48. Cambridge, UK: Cambridge University Press.

**Hodge, M.** & Pollock, K. (2013). Describing and measuring children's speech sound abilities in clinical research settings: In B Peter & A. McLeod (Eds.). *Comprehensive perspectives on child speech development and disorders: Pathways from linguistic theory to clinical practice*.

**Volden J.** (in press). Nonverbal learning disability. In Dulac, Lassonde, M., and Sarnat, Pediatric neurology: Handbook of Clinical Neurology. Elsevier, Oxford.

**Volden J.** (2013) Nonverbal Learning Disability: A speech-language pathologist's perspective. *Broitman, J & Davis, J., Treating NVLD in children: Professional Collaborations for positive Outcomes*.

### Peer Reviewed Journal Articles

(asterisks indicate students)

**Beal DS.**, Gracco VL., Brettschneider J., Kroll RM., De Nil LF (2012). A voxel-based morphometry (VBM) analysis of regional grey and white matter volume abnormalities within the speech production network of children who stutter. *Cortex; a journal devoted to the study of the nervous system and behavior*. Pub Med ID: 23140891. PMCID: PMC3617061.

Cai S., **Beal DS.**, Ghosh SS., Tiede MK., Guenther FH., Perkell JS (2012) Weak responses to auditory feedback perturbation during articulation in persons who stutter: evidence for abnormal auditory-motor transformation. *PLoS one*. **7** (7), e41830. Pub Med ID: 22911857. PMCID: PMC3402433.

Tomczak C R, \*Greidanus KR & **Boliek CA** (2013). Modulation of chest wall intermuscular coherence: Effects of lung volume excursion. *Journal of Neurophysiology*. Pub Med ID: 23678011. PMCID: in press.

**Cummine J & Boliek CA.** (2012). Understanding white matter integrity stability for bilinguals on language status and reading performance. *Brain Structure and Function*. **218** (2), 595–601. Pub Med ID: 23097036.

**Cummine, J.**, Gould, L., \*Zhou, C., \*Siddiqi, Z., \*Hrybouski, S., \*Chouinard, B., Borowski, R. (2012). Varying reliance on visual processing streams as a function of task demands in reading aloud. *Brain and Language*. [should have appeared in 2011-2012 report].

Borowsky, R., Esopenko, C., Gould, L., Kuhlmann, N., Sarty, G., **Cummine, J.** (2012). Localization of function for noun and verb processing: Converging evidence for shared processing from fMRI activation and reaction time. *Language and Cognitive Processes*. [should have appeared in 2011-2012 report].

Esopenko, C., Gould, L., **Cummine, J.**, Sarty, G., Kuhlmann, N., Borowsky, R. (2012). A Neuroanatomical Examination of Embodied Cognition: Semantic Generation to Action-Related Stimuli. *Frontiers in Neuroscience*. [should have appeared in 2011-2012 report].

**Cleary S**, Misiaszek JE, Wheeler S, Kalra S, & Johnston W. (2013.) The effects of lung volume recruitment on coughing and pulmonary function in patients with ALS. *Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration*. **14** 111–115. Pub Med ID: 22970725.

**Cleary S** & Richman-Eisenstat, J (2013). Current Trends in Respiratory Care for individuals with Amyotrophic Lateral Sclerosis. *Perspectives on Swallowing and Swallowing Disorders*. **22** 17-25.

Britton D, **Cleary S**, & Miller R (2013) Current Trends in Respiratory Care for individuals with Amyotrophic Lateral Sclerosis." *Perspectives on Swallowing and Swallowing Disorders*. **22** 4-11.

**Cleary S** (2013) Dysphagia treatment as an alternative to tube feeding in individuals with dementia: A case study. *Canadian Nursing Home*. **1** (24), 11-15.

\*Gould L, **Cummine J**, Borowsky R (2013) The Cognitive Chronometric Architecture of Reading Aloud: Semantic and Lexical Effects on Naming Onset and Duration. *Frontiers in Human Neuroscience*.

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**Paslawski T**, White J, & Kearney R (2013) Recruitment and retention of tutors in problem-based learning: why teachers in medical education tutor. *Canadian Medical Education Journal*. **1** (4), e49- e58.

White J, **Paslawski T**, & Kearney R (2013) Discovery Learning: an account of rapid curriculum change in response to accreditation. *Medical Teacher*. **35** (7), e1319- e1326.

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Scott KA, **Pollock KE**, Roberts JA, & Krakow R (2013) Phonological processing skills of children adopted internationally. *American Journal of Speech-Language Pathology*.

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Georgiades S, Szatmari P, Boyle M, Hanna S, Duku E, Zwaigenbaum L, Bryson S, Fombonne E, **Volden J**, Mirenda P, Roberts W, Smith IM, Vaillancourt T, Waddell C, Bennett T, Thompson A, and Pathways in ASD study team. (2012) Investigating phenotypic heterogeneity in children with autism spectrum disorder: a factor analytic approach. *Journal of Child Psychology and Psychiatry*.

**Zhang M** (2013) Effects of stimulus intensity on low-frequency toneburst cochlear microphonic waveforms. *Audiology Research*. **3** (1), 16-25.

**Zhang M**, Gomaa N, Ho A (2013) Presbycusis: A Critical Issue in Our Community. *International Journal of Otolaryngology and Head & Neck Surgery (IJOHNS)*. **4** (2), 111-120.

## Presentations/Abstracts

### Abstracts

**Boliek CA**, Nip I, & Fox CM (2012) Respiratory, laryngeal and articulatory behaviours during speech and non-speech tasks in children with cerebral palsy: new evidence of function from uttering edge research methodologies. *Developmental Medicine and Child Neurology*. **54** (Suppl. 6), 19.

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\*Gould L, Esopenko C, **Cummine J**, Kuhlmann N, Sarty G, & Borowsky, R (2012) Ventral-lexical and dorsal-sublexical streams in reading as a function of part of speech: Evidence from fMRI activation and reaction time. *Canadian Journal of Experimental Psychology*. **66** 292.

\*Gould L, **Cummine J**, Zhou C, Hrybouski S, Siddiqi Z, Chouinard B, & Borowsky R (2012) The effects of instructions, word frequency, and word type on reading aloud: FMRI and RT evidence for a cascaded dual-stream model of basic reading processes. *Canadian Journal of Experimental Psychology*. **66** 284

\*Chouinard B, Chen Y, **Kim E**, & **Cummine J** (2012) Behavioural and neuroimaging evidence for neuroplasticity following computerized training: a case study of aphasia. *Stroke*. **43** E144

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**Kim E**, & Bolger P (2012) Examining the facilitative effect of semantic context on sentence reading in aphasia using eye-tracking. *Procedia - Social and Behavioral Sciences*. **61** 58-59.

\*Lemke S, & **Kim E** (2012) Eye-movement and reading strategy changes following therapy in a case of acquired alexia. *Procedia - Social and Behavioral Sciences*. **61** 300-301.

**Paslawski T**, Kearney R, & White J (2013) Measuring the effectiveness of faculty facilitation training in problem-based learning in a medical school. *Medical Education*. **47** (Suppl 1), 41. .

Qi L, Schmidt B, **Zhang M** (2013) Improving Hearing Screening of NICU Babies Using 1000 Hz Tympanometry. *Canadian Journal of Speech-Language Pathology and Audiology*. **37** (1), 77.

## Conference Presentations

(asterisks indicate student/trainee; underline indicates presenting author(s))

### *Refereed*

Author(s)	Title of Paper	Conference
Segawa, J. A., Tourville, J. A., <b>Beal, D.S.</b> & Guenther, F. H.	The representation of syllable frame structures and phonological content in the brain.	Organization for Human Brain Mapping. 2013.
Cai, S., <b>Beal, D. S.</b> , Guenther, F. H., Perfekell, J. S., & Ghosh, S. S.	fMRI resting state connectivity of the brain in stuttering.	Society for Neuroscience. 2012.
<b>Beal, D. S.</b> , Segawa, J., Tourville, J. A., Cai, S., Guenther, F. H.	Speech motor sequence learning difficulties in persistent developmental stuttering: An fMRI study.	Society for Neuroscience. 2012.
Auger, J.M., Norton, J.A., & <b>Boliek, C.A.</b>	Chest wall muscle activation and breathing patterns during speech and non-speech tasks in typically developing children.	International Society for the Study of Behavioural Development 2012 Biennial Meeting, Edmonton, AB.
Fox, C.A., Ramig, L.O., & <b>Boliek, C.A.</b>	Intensive voice treatment (LSVT LOUD) in children with cerebral palsy and down syndrome.	European CPLOL Congress, Hague Holland. 2012.
Chouinard, B., Zhou, C., Chen, Y.Y., Rollans, C., <b>Kim, E.</b> , & <b>Cummine, J.</b>	Auditory processing changes following neuroplasticitybased computerized training in a person with aphasia: A pilot study,	Neurobiology of Language conference San Sebastian Spain, October 2012.
Borowsky, R., *Gould, L., Zhou, C., Hrybouski, S., Siddiqi, Z., *Chouinard, B., & <b>Cummine, J.</b>	Taking the dual routes in cascade to get from print to speech: Where and when the effects of instructions, word frequency, and word type intersect along the way.	Neurobiology of Language, San Sebastian Spain, 2012.

<b>Author(s)</b>	<b>Title of Paper</b>	<b>Conference</b>
<u>Small, S.</u> , Mackey, A. & <b>Hodgetts, W.E.</b>	Maturation of Skull Properties: Implications for Soft band Bone-Anchored Hearing Systems	4 <sup>th</sup> Annual Conference on Osseointegration and Bone Conduction Hearing, Newcastle, UK. June 2013.
<b>Hodgetts, W.E.</b> , <u>Liu, R.</u> & Ostevik, A.	Soft Tissue Reactions and Treatment in Bone-Anchored Hearing Aid Implantation: A Twenty Year Experience	4 <sup>th</sup> Annual Conference on Osseointegration and Bone Conduction Hearing, Newcastle, UK. June 2013.
Westover, L., Raboud, D., Faulkner, G. & <b>Hodgetts, W.E.</b>	Non-invasive Assessment of Bone-Anchored Hearing Aid Implant Stability Independent of Structural Components	4 <sup>th</sup> Annual Conference on Osseointegration and Bone Conduction Hearing, Newcastle, UK. June 2013.
<b>Hodgetts, W.E.</b> , <u>Ho, A.</u> & Ostevik, A.	The burden of care of percutaneous BAHA: Health economics analysis based on our 20 year journey	4 <sup>th</sup> Annual Conference on Osseointegration and Bone Conduction Hearing, Newcastle, UK. June 2013.
*Wetter, T., <u>Scott, D.</u> , Lundgren, H., Ostevik, A. & <b>Hodgetts, W. E.</b>	Sound Quality Difference Between Advanced Bone Anchored Hearing Devices	4 <sup>th</sup> Annual Conference on Osseointegration and Bone Conduction Hearing, Newcastle, UK. June 2013.
Woeflin, F., Hakansson, B. E. V., <b>Hodgetters, W. E.</b> , <u>Lundren, H.</u> & Scott, D.	The Mechanical Point Impedance of the Skin-Penetrated Human Skull: A Comparative Study	4 <sup>th</sup> Annual Conference on Osseointegration and Bone Conduction Hearing, Newcastle, UK. June 2013.
<b>Hopper, T.</b> , Slaughter, S., Ickert, C., Ostevik, A. & <b>Hodgetts, B.</b>	Hearing loss as a contributor to excess disability of long-term care residents with dementia	Platform presentation at Canadian Association on Gerontology Annual Convention. 2012
Chouinard, B., <b>Cummine, J.</b> & <b>Kim, E.</b>	Behavioral and neuroimaging case study of neuroplasticity in a person with aphasia following computerized training.	Canadian Stroke Congress. 2012.
*Lemke, S., & <b>Kim, E.</b>	Using eye-tracking to examine response to reading treatment for alexia.	2012 ASHA Convention.
<b>Kim, E.</b> , *Gould, L., & Bolger, P.	Top-down effects on reading in aphasia: An eye-tracking Study.	2012 ASHA Convention.

Author(s)	Title of Paper	Conference
Haynes, E., & Langevin. M.	Treating a preschooler with stuttering and Asperger's syndrome.	Poster presented at the annual conference of the Alberta College of Speech-Language Pathologists and Audiologists (ACSLPA) Calgary, AB, 2012
Haynes, E., & Langevin. M.	Treating a bilingual preschooler with stuttering, developmental disorder, and language disorder.	Poster presented at the annual conference of the Alberta College of Speech-Language Pathologists and Audiologists (ACSLPA) Calgary, AB, 2012
Paslawski, T., King, S., Hall, M., Sanghera, R., McFarlane, L., Guirguis, L., Schmitz, C., Khera, S. & Kahlke, R.	Early Perspectives on Interprofessional Collaboration: Content Analysis of First Year Health Sciences Students' Reflections.	Collaborating Across Borders (CAB) IV: Transformative Change from the Classroom to Practice, June 12-14, 2013. Vancouver, B.C.
King, S., Norton, B., McFarlane, L., Hatch, T., Hall, M., Sanghera, R., Bates, H., Paslawski, T., Khera, S. & Peterson, K.	Launching Students Successfully into Collaborative Practice: An Interactive Interprofessional Workshop.	Collaborating Across Borders (CAB) IV: Transformative Change from the Classroom to Practice, June 12-14, 2013. Vancouver, B.C.
Teresa Paslawski, Mark Hall, Sharla King, & Susan Sommerfeldt.	Use of the RIPLS early in post-secondary settings: Is it an appropriate instrument?	Collaborating Across Borders (CAB) IV: Transformative Change from the Classroom to Practice, June 12-14, 2013. Vancouver, B.C.
King, S., Paslawski, T., Guirguis, L., & Roberts, M.	Impact of an Introductory IP learning event on IP attitudes and selfefficacy: a controlled research design.	Collaborating Across Borders (CAB) IV: Transformative Change from the Classroom to Practice, June 12-14, 2013. Vancouver, B.C.
*Eve Chan,* Laurene Komar, Karen Pollock.	Early grammatical development in children adopted from China.	American Speech-Language-Hearing Association. 2012
*Nickel, L., *Reimer, A., *Wu, T., & Pollock, K.	Longitudinal survey of language development in children adopted from Ethiopia.	American Speech-Language-Hearing Association. 2012
*Chung, H., & Pollock, K.	Rhotic vowel acquisition in children with and without phonological disorders.	American Speech-Language-Hearing Association. 2012
Doyle PC, Theurer J, Rieger J.	Voice, speech and swallowing outcomes: a need for research.	8th International Conference on Head and Neck Cancer, Toronto, Ontario. 2012

<b>Author(s)</b>	<b>Title of Paper</b>	<b>Conference</b>
<b>Schneider, P.</b> & Hayward, D.	Mental state term use by preschoolers in a storytelling task.	12 <sup>th</sup> International Cognitive Linguistics Conference, Edmonton, AB, June 2013.
<b>Schneider, P.</b> , *Anderson, S., *DeBeyer, M., *Marcinkow, A., *Scheffers, S., *Servant, T., & *Willerton, K.	Animation can affect information that children include in storytellings.	Society for Research in Child Development Conference, Seattle, WA, April 2013.
<b>Schneider, P.</b>	The effects of story task on results in narrative research.	Narratives, Intervention and Literacy 2012, Paris, France, September 2012.
<b>Schneider, P.</b> & Menard, A.L.	Review of three tests of children's narrative ability.	Narratives, Intervention and Literacy 2012, Paris, France, September 2012.
*Anderson, S., *DeBeyer, M., *Marcinkow, A., *Scheffers, S., *Servant, T., *Willerton, K., & <b>Schneider, P.</b>	Does animation elicit more story information from children than still pictures?	International Society for the Study of Behavioral Development Biennial Meeting, Edmonton, AB, July 2012.
Constantinescu G, <b>Rieger, J</b> , Winget M, Paulsen C, Seikaly H	What's in a measure? The relationship between clinical scores and self-perception of speech function following surgical treatment for oral cancer.	8th International Conference on Head and Neck Cancer, Toronto, Ontario. 2012
Mirenda, P., Smith, I., <b>Volden, J.</b> , Szatmari, P., Fombonne, E., Bryson, S., Roberts, W., Vaillancourt, T., Zwaigenbaum, L., Waddell, C.,	How many children with Autism Spectrum Disorder are functionally nonverbal?	International Meeting for Autism Research, 2013.
Georgiades, S., Szatmari, P., Duku, E., Bryson, S., Fombonne, E., Mirenda, P., Roberts, W., Smith, I., Vaillancourt, T., <b>Volden, J.</b> , Zwaigenbaum, L., Waddell, C.	Correlates of parent-reported sleep problems in preschool children with autism spectrum disorder	International Meeting for Autism Research, 2013.

Author(s)	Title of Paper	Conference
Zaidman-Zait, A, Mirenda, P., Duku, E., Georgiades, S., Szatmari, P., Bryson, S., Fombonne, E., Roberts, W., Smith, I., Vaillancourt, T., <b>Volden, J.</b> , Zwaigenbaum, L., Waddell, C.	Child, parental and contextual factors that predict parenting stress in families of young children with ASD over a 2 year period after diagnosis.	International Meeting for Autism Research, 2013.
Georgiades, S., Zwaigenbaum, L., Duku, E., Szatmari, P., Bryson, S., Fombonne, E., Mirenda, P., Roberts, W., Smith, I., Vaillancourt, T., <b>Volden, J.</b> , Waddell, C.	Modeling the phenotypic architecture of autism symptoms from time of diagnosis to age 6.	International Meeting for Autism Research, 2013.
Brown, H, Oram Cardy, J., Archibald, L., <b>Volden, J.</b>	A meta-analysis examining the academic achievement of individuals with HFASD in reading, writing and mathematics.	International Meeting for Autism Research, 2013.
Mitchell, W., <b>Volden, J.</b>	Using the Communication Checklist-Adult to identify pragmatic impairment in young adults with autism spectrum disorder: Preliminary results.	International Meeting for Autism Research, 2013.
Fombonne, E., Szatmari, P., Bryson, S., Georgiades, S., Bennett, T., Mirenda, P., Roberts, W., Smith, I., Vaillancourt, T., <b>Volden, J.</b> , Zwaigenbaum, L., Waddell, C.,	Variation in age of diagnosis among pre-school children with ASD: Regional Differences.	American Academy of Child and Adolescent Psychiatry, 2012.
Georgiades, S., Szatmari, P., Fombonne, E., Bryson, S., Bennett, T., Mirenda, P., Roberts, W., Smith, I., Vaillancourt, T., <b>Volden, J.</b> , Zwaigenbaum, L., Waddell, C. L	Investigating phenotypic heterogeneity in children with autism spectrum disorder: A factor mixture modeling approach.	American Academy of Child and Adolescent Psychiatry, 2012.



<b>Author(s)</b>	<b>Title of Paper</b>	<b>Conference</b>
Szatmari, P., Fombonne, E., Bryson, S., Mirenda, P., roberts, W., Smith, I.,Vaillancourt, T, <b>Volden, J.</b> , Zwaigenbaum, L., Waddell, C., Georgiades, S., Bennett, T.	Developmental trajectories of autism severity in the preschool years.	American Academy of Child and Adolescent Psychiatry, 2012.
Bennett, T., Szatmari, P., Fombonne, E., Bryson, S., Mirenda, P., Roberts, W., Smith, I., Vaillancourt, T., <b>Volden, J.</b> , Zwaigenbaum, L., Waddell, C. L.	Measuring interactive developmental pathways in ASD: A dualdomain latent growth curve model.	American Academy of Child and Adolescent Psychiatry, 2012.
Mitchell, W., <b>Volden, J</b>	Using the Communication Checklist-Adult to identify pragmatic impairment in HFASD	Society for Research in Child Development, 2012.
Georgiades, S., Szatmari, P., Fombonne, E., Bryson, S., Mirenda, P., Roberts, W., Smith, i., Vaillancourt, T., <b>Volden, J.</b> , Zwaigenbaum, L., Waddell, C, Duku, E., Bennett, T.,	Phenotypic heterogeneity in children with autism spectrum disorder.	Canadian Academy of Child and Adolescent Psychiatry, 2012.
Bennett, T., Szatmari, P., Fombonne, E., Bryson, S., Mirenda, P., Roberts, W., Smith, I.,Vaillancourt, T., <b>Volden, J.</b> , Zwaigenbaum, L., Waddell, C., Georgiades, S.	Cascades and constraints: Modeling interactions between developmental pathways in ASD.	Canadian Academy of Child and Adolescent Psychiatry, 2012.

***Invited***

<b>Author(s)</b>	<b>Title of Paper</b>	<b>Conference</b>
<b>Boliek, C.A. &amp; Fox, C.M.</b>	Intensive voice treatment for pediatric motor speech disorders.	LSVT Global Special Educational Event, New York City NY. July 26, 2012
<b>Cleary, S.</b>	Using Lung Volume Recruitment to Improve Airway Protection while Swallowing.	ALS Society of Canada Research Forum. 2013.

<b>Author(s)</b>	<b>Title of Paper</b>	<b>Conference</b>
<b>Cummine, J.</b>	The Contribution of Lexical and Sub-lexical Information in Basic Reading	Canada-China: Reading, Language, and Cognition Research Day. University of Alberta, 2012.
<b>Hodge, M.</b>	Discussant: State of the Art ( <i>Science</i> ) in CAS Diagnostic Marker Research	2013 Childhood Apraxia of Speech Research Symposium, Atlanta, GA. February 2013.
<b>Hodgetts, W. E.</b>	Prescription and Verification of Bone Anchored Devices: A comparison trial	Keynote speech given at the 4 <sup>th</sup> Annual Conference on Osseointegration and Bone Conduction Hearing, Newcastle, UK. June 2013.
<b>Hodgetts, W. E.</b>	Knowledge Translation at iRSM	Presentation given at the Annual Covenant Research Day, Edmonton AB. February 2013.
<b>Kim, E.</b>	Using Eye-Tracking to Examine Reading Processes in Aphasia	Linguistics Colloquium Series, UofA Department of Linguistics, 2013.
<b>McFarlane, L.</b>	Motivational Interviewing in Healthcare Settings: Practical Strategies for Clinicians	Multi-disciplinary FULL-DAY presentation on clinical use of Motivational Interviewing. Alberta Health Services - Central Zone, Red Deer. 2013.
<b>McFarlane, L.</b>	Motivational Interviewing in Healthcare Settings: Practical Strategies for Clinicians	Multi-disciplinary FULL-DAY presentation on clinical use of Motivational Interviewing. Alberta Health Services - Central Zone, Camrose. 2013
<b>McFarlane, L.</b>	Motivational Interviewing in Healthcare Settings: Practical Strategies for Clinicians	Multi-disciplinary FULL-DAY presentation on clinical use of Motivational Interviewing. British Columbia Interior Health. 2013
<b>McFarlane, L.</b>	Communication and Collaboration: Practical Strategies for Therapist Assistants	FULL-DAY workshop emphasizing effective and evidence-based communication strategies for therapist assistants. Alberta Health Services: Central Zone, Red Deer, AB. 2013
<b>McFarlane, L.</b>	There's an app for that: iPad use with preschool and early school-age clients	Alberta College of Speech Pathologists and Audiologists (ACSLPA) Conference 2012, October 19 & 20.

<b>Author(s)</b>	<b>Title of Paper</b>	<b>Conference</b>
<b>McFarlane, L.</b>	There's an app for that: iPad use with preschool and early school-age clients	Early Education - Edmonton SLP. 2013.
<b>McFarlane, L.</b>	There's an app for that: iPad use with preschool and early school-age clients	Presentation for teachers, OTs, PTs and SLP s., Edmonton Consulting Services. 2013.
Wolfaardt J, Harris J, <b>Rieger J</b> , Constantinescu G, Seikaly H	Maxillary reconstruction – the Edmonton experience towards functional outcomes	7th International and 10th National Conference on Oral and Maxillofacial Surgery, Xi'an International Conference Centre, Xi'an, China. 2012.
<b>Volden, J.</b>	Pragmatic language functioning in school-aged children and adolescents with ASD.	ASD research group in Dalhousie, 2013.
<b>Volden, J.</b>	Pragmatic communication in ASD: Beyond preschool	ASD research group at U of C. 2013.
L Qi, B Schmidt, <b>M Zhang</b>	Improving Hearing Screening of NICU Babies Using 1000 Hz Tympanometry	Canadian Association of Speech-Language Pathologists and Audiologists. 2013.

## Service Contributions

<b>Organization</b>	<b>Committee</b>
Canadian Institute for Health Research (CIHR)	CFI Leaders Opportunity Fund Advisory Committee
Canadian Institute for Health Research (CIHR)	Grant Review Committee Member- CIHR Biological and Clinical Aspects of Aging (November, 2011 and May, 2012)
National Institutes of Health (NIH)	Review Panel of Study Section for Sensory Technology
National Sciences and Engineering Research Council of Canada (NSERC)	Reviewer for Discovery Grants
Social Sciences and Humanities Research Council of Canada (SSHRC)	Reviewer for Insight Grants
Alberta Innovates Health Solutions (AIHS)	Reviewer for Clinician Researcher Training Award
Alzheimer's Association (USA)	External Grant Proposal Reviewer for annual competition (April/May, 2012) (reviewed six grants)
Technology Foundation STW	Grant reviewer
Canadian Association of Speech-Language Pathologists & Audiologists (CASLPA)	SLP Certification Examination Committee
American Speech Language and Hearing Association (ASHA), Special Interest Division 13	Mentorship committee, Board Recognition in Swallowing and Swallowing Disorders
American Speech-Language-Hearing Association (ASHA)	Technical Assistance Expert – Dementia
Canadian Council of University Programs in Communication Sciences & Disorders (CCUP-CSD)	Canadian Academic Coordinators of Clinical Education in Communication Sciences and Disorders
Canadian Stroke Network	Task Group
Canadian Research Data Centre Network	Chair/Moderator for National Conference
ALS Society of Canada	Revisions to the swallowing section the Manual for People Living with ALS which was updated in April of 2012
ALS Society of Canada	Wrote a public service announcement on the role of SLP's in ALS care in May of 2012

<b>Organization</b>	<b>Committee</b>
American Academy for Cerebral Palsy and Developmental Medicine	Administrative Committee
CFI Leaders Opportunity Fund	Advisory Committee
Canadian Association of Speech-Language Pathologists & Audiologists (CASLPA)	SLP Certification Examination Committee
American Speech Language and Hearing Association, Special Interest Division 13	Mentorship Committee, Board Recognition in Swallowing and Swallowing Disorders
Alberta College of Speech-Language Pathologist & Audiologists	Ad Hoc Committee, Swallowing & Feeding Practice Guideline
Department of Linguistics – Research Board for Centre for Comparative Psycholinguistics	Administrative Committee
Canadian Institutes of Health Research	Grant Reviewer: Social Dimensions in Aging Committee
Alzheimer’s Association (USA)	Grant Reviewer: Annual Operating Grant Competition
University of Alberta	Grant Reviewer – Grants Assist Program
Canadian Stroke Network: Stroke, cognition and mood best practice writing group	Administrative Committee
American Speech Hearing Association (ASHA)	ASHA 2013 Convention Program Committee – Adult Language
ASHA	Fluency Board – Administrative Committee
Canadian Academic Coordinators of Clinical Education in Communication Sciences and Disorders	Administrative Committee
Canadian Authors Association	Professional Association
Language, Speech, and Hearing Services in Schools	Associate Editor
Tevie Miller Heritage School Society	Board of Directors
Research in Otolaryngology Journal	Editorial Board
International Journal of Therapies and Rehabilitation Research Journal	Editorial Advisory Board

<b>Organization</b>	<b>Committee</b>
International Journal of Brain and Cognitive Sciences	Editorial Board
NSERC	NSERC Reviewers Database
International Symposium on Bone Conduction Hearing	Scientific Advisory Board

## Clinical Education

For the 2013 calendar year (January 01 to December 31, 2013), a total of 349 placements were coordinated through the office of the Academic Coordinator of Clinical Education (ACCE). These included 110 part-time placements in the University of Alberta Clinic (Corbett Clinic), and 239 placements within and outside of Alberta. Four students completed international placements. Placement settings included Public Health Centres, Hospitals, Schools, Early Education Programs, Child Development Centres, Community Rehabilitation Programs and Specialty Programs (e.g. ISTAR). By completing placements in a range of settings and with a diverse age range, all students acquire the hours required for certification, registration or membership in the National and Provincial Associations. This includes experience and documented clinical hours in assessment and intervention in the areas of: articulation/phonology, developmental language, acquired language, dysphagia, voice, fluency, motor speech, and audiology/hearing.

A breakdown of placements by age group is presented below:

Age Group	Number of Placements
Pediatric (Preschool and/or School-age)	169
Adult	152
Mixed (Adult & Pediatric)	28
<b>Total:</b>	<b>349</b>

A breakdown of placements by setting is presented below:

Population	Number of Placements
Community Health Centers/Schools	79
Early Education/Child Development Centers	20
Community Rehabilitation	31
Hospitals (Rehabilitation and Acute)	92
Corbett Clinic	116
Institute for Stuttering Treatment and Research	11
<b>Total:</b>	<b>349</b>

A list of all agencies participating in clinical education by offering placements is at the end of this section. The Department of Speech Pathology and Audiology acknowledges the participating sites and clinical educators for their tremendous contribution to students and to the future of the profession.

The University of Alberta Speech Language Pathology Clinic (Corbett Clinic) accommodates all first year students for the first two introductory placements during the spring and fall of their first year. These are part-time placements done concurrent with academic coursework. The clinic also collaborates with community programs to provide advanced placements in the Winter term. Students are placed part-time at Corbett Clinic and part-time in the community. This provides for efficient and effective use of clinic and community resources. The

Department of Speech Pathology and Audiology also collaborates with partners in public health care, educational and specialized settings to coordinate placements for students across Canada and internationally. Given the diversity of timing and experiences, individualized placement plans for each student are identified and placement requests are made based on specific student need. All students were successfully placed to ensure a diversity of settings, populations, experiences and accrual of required hours. The clinical placement team continues to work collaboratively with receiving agencies to establish relationships, strengthen placement capacity and streamline the placement process.

The ACCE continues to liaise with clinical site coordinators, destination contacts and clinical educators to share information about the program, provide information about clinical education and to solicit information and feedback from sites about the placement process. Ongoing communication with sites and clinical educators during placements provides appropriate support and resources to facilitate successful placements.

Individualized clinical education sessions were offered during the year to specific sites to provide strategies for supervision and support alternative models of placement such as 2 to 1 supervision. These helped to reinforce current placements and build capacity for future placements.

## **Corbett Clinic**

Corbett Clinic offers individual speech and language therapy to children and adults. Clinics are coordinated during the Spring, Fall and Winter terms. Service is provided by collaborative teams of student clinicians supervised by registered speech language pathologists. This clinical structure provides students with direct treatment, observation and consultative experience. Students gain experience working in clinical groups, pairs and individual treatment paradigms applying traditional, individual, home programming, group and alternative service. During the 2012 calendar year Corbett Clinic provided 105 placement opportunities to students. A nominal fee is charged to support the materials used during clinic sessions. The clinic provides an opportunity for collaboration between academic and clinical staff. Corbett Clinic also assists researchers with client recruitment and research opportunities as appropriate.

The clinical education team at Corbett Clinic consists of sessional instructors employed year round to organize and coordinate clinic scheduling and placements. This provides for consistency of process and facilitates clinical coordination and administration. In addition speech-language pathologists from the community are contracted for the spring and fall terms to accommodate the large number of placements in those terms. This provides community SLP's with an enhanced clinical education experience and facilitates collaboration with community partners.



## **Corbett Hall Early Education (CHEEP)**

CHEEP is an early education program designed to facilitate the development of children with significant developmental delays, in an educational setting. CHEEP is housed in Corbett Hall and is set up to also provide clinical placements for students. Programming is designed and implemented by an inter-disciplinary team of specialists who work collaboratively with parents/care-givers to facilitate development for children across domains (communication, cognition, motor skills, social and play skills). Parents are viewed as key players on the team and participate in the development of goals as well as in implementing strategies to support their child's learning and development. The school team endeavors to support parents through multiple means. Classroom routines and activities are engineered to promote learning through play and active engagement in functional, developmentally appropriate activities. Children benefit from learning in a language rich, literacy-based program with ample exposure to early learning concepts. Programming is individualized to meet the specific needs of each child. CHEEP also capitalizes on peer modeling through reverse integration in which typically developing children learn, work and play alongside their peers with special needs. CHEEP strives to continually reflect on best practice in early education and rehabilitation.

CHEEP, as part of Corbett Clinic, provides excellent interprofessional clinical educational opportunities for students. A total of 18 students completed placements through the CHEEP program.

The funding to operate CHEEP is provided through specialized funding (Program Unit Funds) from Alberta Education. Programming is designed and implemented by a team of education/intervention specialists to support children in expanding and developing their skills/abilities across developmental areas (communication, motor skills, sensory processing, social skills, self-help skills, cognition and problem-solving).

The Corbett Hall Early Education program embraces and adheres to the following beliefs:

- Early intervention is critical for children with developmental delays.
- A small class size best meets students' needs.
- Children make most progress when learning in a functional, meaningful environment where they can be active learners.
- Young children learn best through play-based activities and personal experiences.
- Parent involvement is essential for children to make optimal progress.
- Theme-based and literature-based learning activities greatly enhance language learning for all children.
- Use of developmentally appropriate practice is crucial in early education.
- Children benefit from both incidental learning in a social setting and carefully designed learning activities (exposure to both structured and unstructured play).
- Peer models are extremely powerful. Children who are typically developing and children with developmental delays all benefit from learning together.

- Children's needs are best served by a team of professionals working collaboratively.
- Individualization of programming is essential to meet specific learning needs.
- Use of positive and proactive behaviour management strategies is most effective in Early Education.
- Independence and the development of self-help skills and problem-solving skills should be encouraged and fostered in young children.

The following are some highlights from the previous year:

- 2012-13 was a successful year for our program children. By the end of the school year 3 of 7 children moving on to another program no longer presented with a severe communication delay. Our program staff spent ample time supporting families exiting the program to facilitate a positive transition and ensure the best possible supports available in their new program.
- Parents of both program children and community children were provided with an evaluation in June, 2013 to solicit feedback on their experience with CHEEP. Overall parents were very happy with the programming, their children's results, and their interactions with staff. 10/20 surveys were returned and parents were 95% satisfied overall.
- The program is full for the 2013-2014 school year with 7 returning and 7 new program children, as well as 6 community children.
- The most recent provincial budget led to no increase in most funding rates for 2013-14 for private ECS operators. There will be a decrease in ECS Administration Funding (0.6%) and Equity of Opportunity Funding for 2013-2014 for the program. Although a new funding model is anticipated in future, no details are yet available regarding what changes are anticipated.

## Clinical Placement List

Clinical Placement Site	
Community Health Services	AHS (Formerly Aspen Health Region)
Alberta Children's Hospital	AHS Calgary Zone
Community Accessible Rehab	AHS Calgary Zone
Community Health Services	AHS Calgary Zone
Foothills Hospital	AHS Calgary Zone
Peter Lougheed Centre	AHS Calgary Zone
Rockyview General Hospital	AHS Calgary Zone
Rural Centres	AHS Calgary Zone
South Health Campus	AHS Calgary Zone
Sheldon M. Chumir Hospital	AHS Calgary Zone
Community Health Services	AHS Edmonton Zone
Community Rehabilitation Interdisciplinary Services	AHS Edmonton Zone
Speech Lang Stroke Early Supported Discharge Team	AHS Edmonton Zone
Glenrose Rehabilitation Hospital	AHS Edmonton Zone
Grey Nuns Hospital	AHS Edmonton Zone
Misericordia Hospital	AHS Edmonton Zone
Royal Alexandra Hospital	AHS Edmonton Zone
SLP Services in Seniors Health	AHS Edmonton Zone
University of Alberta Hospital	AHS Edmonton Zone
Chinook Regional Hospital	AHS (Formerly Chinook Health Region)
Community Health Services	AHS (Formerly Chinook Health Region)
Centennial Centre for Brain Injury	AHS (Formerly David Thompson Health Region)
Red Deer Regional Health Centre	AHS (Formerly David Thompson Health Region)
Two Hills Health Centre	AHS (Formerly East Central Health Region)
Medicine Hat Regional Hospital	AHS (Formerly Palliser Health Region)
Queen Elizabeth II Hospital	AHS (Formerly Peace Health Region)

<b>Clinical Placement Site</b>	
Dr. Vernon Fanning Centre	Alberta - Carewest
ISTAR	Alberta - Other Health
Providence Child Development Society	Alberta - Other Health
Corbett Hall Early Education Program	Alberta Other Non-Health
Health First Physiotherapy	Alberta - Private Rehab
Calgary Board of Education	Alberta - Schools
Edmonton Public School Division #7	Alberta - Schools
Elk Island Public Schools	Alberta - Schools
Grande Prairie Public School District #2357	Alberta - Schools
Renfrew Educational Services	Alberta - Schools
St. Albert Protestant School District #6	Alberta - Schools
Clements Centre	British Columbia
Central Okanagan School District No. 23	British Columbia
Cowichan Valley School District No. 79	British Columbia
Fraser Valley Child Development Centre	British Columbia
Community Health Services	British Columbia
Kelowna General Hospital	British Columbia
Kootenay Boundary Regional Hospital	British Columbia
Kootenay Lake School District No. 8	British Columbia
Langley School District No. 35	British Columbia
Northern Health Authority	British Columbia
Queen Alexandra Centre for Children's Health	British Columbia
University Hospital of Northern BC, Prince George	British Columbia
Victoria General Hospital	British Columbia
Child Guidance Centre	Manitoba
Deer Lodge Centre	Manitoba
Eastern School District	Newfoundland
Health Sciences Centre of Eastern Health	Newfoundland

<b>Clinical Placement Site</b>	
Chignecto-Central Regional School Board	Nova Scotia
Noval Scotia Hearing and Speech Centres	Nova Scotia
Stanton Territorial Hospital	Northwest Territory
Durham District School Board	Ontario
Five Counties Children's Centre	Ontario
Grandview Children's Centre	Ontario
Hamilton Wentworth District School Board	Ontario
John McGivney Children's Centre	Ontario
Peterborough Community Education Centre	Ontario
Peterborough Regional Health Centre	Ontario
St. Mary's Family Learning Centre	Ontario
OMETZ	Quebec
Chinook School Division 211	Saskatchewan
Cypress Health Region	Saskatchewan
Greater Saskatoon Catholic Schools	Saskatchewan
Northwest School Division	Saskatchewan
Prairie Spirit School Division #206	Saskatchewan
Regina Public Schools	Saskatchewan
Royal University Hospital	Saskatchewan
Saskatoon City Hospital	Saskatchewan
Autism Association of Western Australia	International
New Zealand - Hillmorton High School	International

# Francophone Certificate

## Program Description

There is a tremendous need to support speech-language pathologists working with dual-language Francophone populations in Alberta and other areas where French is a minority language. The Post-Graduate Certificate in Francophone Practice for Speech-Language Pathologists provides clinicians with an opportunity to acquire information about normal and disordered speech and language, and become familiar with assessment and intervention materials for child and adult Francophone populations.

The Certificate is a joint initiative between the Faculty of Rehabilitation Medicine and Campus Saint-Jean. Funding, including individual student bursaries, has been generously provided by Health Canada (Santé Canada) through the Consortium national de formation en santé project (CNFS) and through Campus Saint-Jean.

### *Registration Information 2012-13:*

REHAB 553: Linguistic and Cultural Plurality Issues in the Francophone Context – 5 students (May-June 2013)

REHAB 552: Language Development, Assessment and Treatment Considerations in the Francophone Context – 10 students (August 2012)

Total Francophone Certificate Graduates in 2012-13: 5



Health  
Canada Santé  
Canada



## Student Research

### Thesis Completed 2012 – 2013

Student Name	Supervisor(s)	Thesis Title
Bohaichuk, Amanda	Cleary, Stuart & Hopper, Tammy	The effects of a volitional breathing technique on swallowing and respiratory coordination in individuals with Amyotrophic Lateral Sclerosis: A Pilot Investigation
Chan, Sable	Campbell, Melanie	Changes observed in persons with Parkinson's disease pre- and post-voice choral singing therapy
Dai, Wenjun	Cummine, Jacqueline	Investigating Reading Processes Using Diffusion Tensor Imaging
Greidanus, Krista	Hodgetts, Bill	iPod-Based Hearing Screening for a Pediatric Population
Lemke, Shannon	Kim, Esther	Mechanisms of Recovery in Acquired Alexia
Phangureh, Navneet	Boliek, Carol	Assessing cortical white matter fibre tracts using diffusion tensor imaging in patients post-facial reanimation surgery
Suleman, Salima	McFarlane, Lu-Anne & Pollock, Karen	Constructing collaboration across campus: pre-professional speech-language pathologists and teachers working together
Wetter, Tyler	Hodgetts, Bill	Analyzing Sound Quality of Advanced Bone Anchored Hearing Aids.

### SPA900 Projects Completed 2012 – 2013

Student Name(s)	Supervisor(s)	Project Title
Amy, Jennifer & Franklin, Aryn	Rieger, Jana	Speechies Speak Out Blog: Exploring the Role of Social Media in Promoting University Programs
Anderson, Sarah; DeBeyer, Michaela; Marcinkow, Alissa; Scheffers, Sarah; Servant, Tamaira & Willerton, Kristin	Schneider, Phyllis	The Effect of Static versus Animated Story Stimuli on Children's Ability to tell Stories
Bailey, Meaghan & Reibeling, Kayla	Cook, Al & Adams, Kim	Case Study of A Child Who Uses a Speech Generating Communication Device
Barnard, Kirsten; Dolan, Elene; Holte, Heather & Trussell, Stephanie	Hopper, Tammy	Development of "The Cognition and Communication Home Workbook for Individuals with Traumatic Brain Injury"

<b>Student Name(s)</b>	<b>Supervisor(s)</b>	<b>Project Title</b>
Beriault, Rikki; Ditmars, Melanie & Klatt, Jodi	Volden, Joanne	Understanding Figures of Speech in Children with Autism Spectrum Disorder
Blair, Olivia; Horricks, Desirae; Nowik, Andrea & Smith, Alaina	Paslawski, Teresa	The Brain Care Center's Workbook for Individuals with Aphasia - Take Home Practice for Speech and Language
Conley, Robyn; Fournier, Angèle; Hanson, Karly & O'Brien, Colleen	McFarlane, Lu-Anne	"There's an app for that": Clinician perspectives on the iPad as an intervention tool for children
Cust, Sarah; Thoresen-Semonick, Christina & Wunderlich, Lorielle	Cleary, Stuart	Effects of Positional Changes on Airway Clearance Behaviour of Individuals with Amyotrophic Lateral Sclerosis and Healthy Age Matched Controls
Dale, Alison; Evens, Jill; Pugh, Trina; Put, Tara; Smith, Kailey & Strangway, Saige	Langevin, Marilyn	Developing an Understanding of Stuttering in Student Speech-Language Pathologists: A Comparison of Two Learning Experiences
Dudych, Stephanie; Nikulak, Julianne; Varelas, Eleni & Wingert, Jennifer	Campbell, Melanie	The Effect of Short-term, Intensive, Aural (Re)habilitation Training on Measures of Functional Communication and Quality of Life in a Cochlear-implanted Adult with Pre-lingual Deafness
Ebenezer, Anita	Paslawski, Teresa	Resilience in stroke survivors: identifying factors that contribute to successful adaptation
Hebert, Mireille & Rajan, Farah (2011)	Volden, Joanne	The Development of Idiom Comprehension in Children with Autism Spectrum Disorder
Hedley, Kristen	Schneider, Phyllis	Integrating Language Services and the Alberta Education Curriculum
Jans, Marisa	Cummine, Jacqueline	Rapid Automatized Naming and Adult Reading Abilities: Review
Kapoor-Cardnial, Sharon	Paslawski, Teresa	The Darkside of Collaboration: Part 2
Kelso (Jobb), Kaali	Pollock, Karen	Comparing the Children's Communication Checklist to Standardized Tests: Results from School-age Children Adopted from Haiti
Lawson, Ben; Soderquist, Stephanie; Stupka, Erika & Wilson, Lindsay (2011)	Cleary, Stuart	Lung Volume Recruitment in Patients with Amyotrophic Lateral Sclerosis
Mak, Karen; Pangalia, Jessica; Sellinger, Kelly & Wesner, Stephanie	Hopper, Tammy	Conversations during mealtimes in long-term care: A case study of verbal and non-verbal communication in dementia



Student Name(s)	Supervisor(s)	Project Title
Miller, Aimee	Zhang, Ming	A Review of Home-Based Computerized Auditory Training Programs for Adult Cochlear Implant Recipients
Sam, Shauna; Sawatzky, Angela; Schafer, Lindsay & Zaba, Jaclyn	Cook, Al	Parent Activities: Development of Cognitive Skills using Robots (Resource)
Shaw, Libby (Elizabeth)	Adams, Kim	AAC Device Design Elements That May Contribute to Use During Play
Strongman, Tracy & Sumner, Andrea	Kim, Esther	The Effect of Word Context on the Reading Ability of Individuals with Aphasia and Acquired Alexia
Waito, Ashley	Campbell, Melanie	Sounds of Swallowing: Comparison of Concurrent Accelerometry and Microphone Recordings
West, Talia	Hopper, Tammy	Current Practices and Challenges Associated with Administering Capacity Assessments for Individuals with Aphasia: A Review of the Literature

## **Events 2012 – 2013**

### **OASIS Conference**

On Saturday, September 29, 2012 the Speech-Language Pathology students at the University of Alberta held their annual Organization of Alberta Students in Speech (OASIS) Conference, which featured speakers and sessions from the fields of speech-language pathology and audiology. This annual, one-day conference was held at the Edmonton Clinical Health Academy (ECHA) and welcomed over 150 attendees and 10 speakers. The OASIS conference provides professional development for graduate students through sessions that complement the academic program by providing clinically relevant examples and experiences. The conference also targets undergraduate students interested in the MScSLP program.

### **Corbett Carnival**

Corbett Clinic Carnival served as a way to celebrate all of the Corbett Clinic clients' hard work and dedication during the summer months and to let loose and have some fun. With excitement buzzing, parents, clients, student clinicians, and even our clinical educators came out to enjoy the day. There was a really great turn out and there was a lot of positive feedback from the clients and staff.

## RMSA Gala



Faculty of Rehabilitation Medicine students, faculty and staff dressed in their finest and gathered for an evening of food, dancing and celebration at the Rehabilitation Medicine Students' Association (RMSA) Winter Gala on February 9, 2013.

During a special awards ceremony, both the 2013 Faculty of Rehabilitation Medicine Teaching Awards and the 2013 RMSA Teaching Awards were presented to instructors who demonstrate excellence in teaching.

### **Faculty of Rehabilitation Medicine Teaching Award (Speech Pathology & Audiology) Stuart Cleary, PhD, Associate Professor (award shared with Geoff Bostick)**

*Cleary is praised for making "intimidating" classes enjoyable and less frightening. He is known for being a skilled clinician and has also helped redevelop certain courses in the SPA curriculum.*

### **RMSA Excellence in Teaching Award (Speech Pathology and Audiology) Teresa Paslawski, PhD, Associate Professor**

*Teresa received an RMSA Teaching Award from the students because of the way in which she fosters a positive and risk-free environment in her classes. She has shown an interest in her students both inside and outside the classroom.*

### **RMSA Student Award**

**Brianna Mager**, MScSLP student, received \$1,000 and an individualized plaque.

# Admissions and Convocation

## Summary of Admission Statistics for September 2012

Enrollment September 2012:

- 57 students admitted to the MScSLP (course-based) program
- 52 females, 5 males
- 32 Alberta residents, 25 out of province

## Convocation 2012 Professional Practice Entry-Level MScSLP (Course-Based & Thesis) Programs June and November 2012 (n = 67)

Amy, Jennifer Louise	Holte, Heather Danielle	Schafer, Lindsay Marjorie
Anderson, Sarah Elizabeth	Horricks, Desirae Joy	Scheffers, Sarah Lynn
Bailey, Meaghan Elizabeth	Jans, Marisa Jolene	Sellinger, Margaret Kelly
Barnard, Kirsten Mallory	Kapoor-Cardinal, Sharon Ann	Semonick, Christina Louise
Berault, Rikki	Kelso, Kaali Michelle	Servant, Tamaira Anasia
Blair, Olivia Marie	Klatt, Jodi Anne	Shaw, Libby (Elizabeth)
Bohaichuk, Amanda Rae	Lawson, Benjamin Ross	Smith, Alaina Emily
Chan, Sable Jade	Lemke, Shannon Faye	Smith, Kailey Nicole
Conley, Robyn Elizabeth	Mak, Karen Joyce	Strangway, Saige Ashton Victoria
Cust, Sarah Ann	Marcinkow, Alissa Anne	Strongman, Tracy Dawn
Dai, Wenjun	McKinnon, Stephanie Lauren	Suleman, Salima
Dale, Alison Rose	Miller, Aimee Dallas	Sumner, Andrea Marjorie
DeBeyer, Michaela Jessica	Nikulak, Julianne Elizabeth	Trussell, Stephanie Lynn
Ditmars, Melanie Ann	Nowik, Andrea Lee	Varelas, Eleni
Dolan, Elene Marie	O'Brien, Colleen Patricia	Waito, Ashley Anne
Dudych, Stephanie Natalie	Pangalia, Jessica	West, Talia Marissa
Ebenezer, Anita Elizabeth	Phangureh, Navneet Kaur	Wetter, Tyler William
Evens, Jill Marie	Pugh, Trina Jennifer	Willerton, Kristin Laura
Fournier, Angele Denise	Put, Tara Karin	Wingert, Jennifer Michelle
Franklin, Aryn Lee	Rajan, Farah	Wunderlich, Lorielle Renae
Greidanus, Krista Renee	Reibeling, Kayla Eve	Zaba, Jaclyn Anne
Hanson, Karly Jane	Sam, Shauna Kimberley	
Hedley, Kristen Brianne	Sawatzky, Angela	