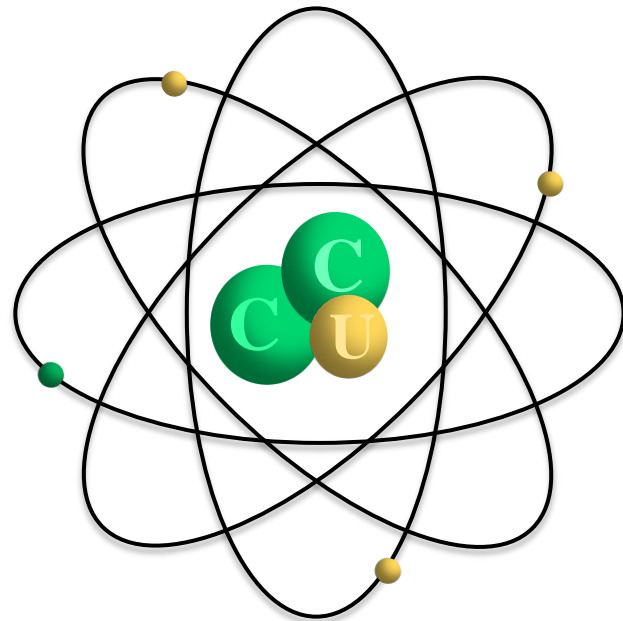




UNIVERSITY OF ALBERTA
FACULTY OF REHABILITATION MEDICINE
Department of Communication Sciences and Disorders

Department of Communication Sciences & Disorders
Annual Report
2015-2016



C²U
Communication Connects Us

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Message from the Acting Chair

I am pleased to present this annual report of the activities and accomplishments of the Department of Communication Sciences and Disorders in 2015-2016. Dr. Karen Pollock is enjoying a well-earned 6 month administrative leave as I write this in November of 2016, so the activities I describe were completed under her leadership in the period between July 2015 and June 2016.

The review and revision of the MScSLP curriculum, begun in 2014-2015, continued this year. Our Curriculum Committee, led by Associate Chair Lu-Anne McFarlane, guided the faculty through three half-day retreats and a number of “homework” assignments to translate our educational objectives into a competency-based format. We also piloted an adjusted schedule of course offerings, coupled with specifically designed “integration” activities, to promote increased synthesis across the curriculum. Our discussions around curriculum have been enormously helpful in reinvigorating the faculty and generating ideas for new and exciting ways to teach. In addition, we continue to expand our efforts to increase inter-disciplinary exposure, education and understanding.

Research programs in the Department continue to stimulate our intellectual juices. Our faculty examine a wide range of topics, ranging from basic scientific models of typical and disordered anatomy and physiology to the efficacy of therapeutic techniques within our community. A listing of new and continuing projects and this year’s publications and presentations begins on page 14 of this report.

Last year, we were proud to report the first Alberta Aphasia Camp. This year we were pleased to hold the second. Please read about it beginning on page 43. Not content to rest of those laurels, Dr. Pollock coordinated a new camp this year, focusing on children who communicate via an alternative or augmentative communication device. Details are found on page 46. Response from campers in both camps has been overwhelmingly positive. Despite the enormous effort involved in planning and launching both camps, the consensus from the responsible faculty members was that the camps were rewarding, perhaps most especially for student volunteers. More than a few comments about the value of meeting people face to face were received from student clinicians.

These are just a few of the year’s highlights. This report contains many more accomplishments and achievements of CSD faculty, staff, and students. I hope you enjoy reading it.

A handwritten signature in blue ink that reads "Joanne Volden". The signature is written in a cursive style with a large, stylized 'J' and 'V'.

Joanne Volden, Ph.D., Professor and Acting Chair

Vision, Mission, and Values

Vision

Communication Connects Us



Mission

We maximize speech, language, hearing, and swallowing function through excellence in academic and clinical education, research, leadership, and professional and community partnerships.

Values

- Critical inquiry
- Innovative
- Person-centered
- Inclusive
- Evidence-based
- Life-long learning
- Active and engaged learning
- Professionalism
- Empathy

Faculty

- Advance the field through research
- Deliver high quality academic and clinical training
- Mentor students
- Promote collaboration and community partnerships
- Promote career growth and development

Program Philosophy

The Department of Communication Sciences and Disorders prepares future leaders in the profession of speech-language pathology. Our MSc-SLP graduates have the requisite knowledge, experience, skills, and values to meet the complex and dynamic challenges of addressing speech, language, communication, and swallowing needs in a multicultural society across the lifespan in a variety of healthcare and educational settings. With a commitment to academic excellence, innovative models of clinical training, interdisciplinary education, and research experiences for students, we integrate academic programs and clinical education to prepare students to work and thrive in a constantly evolving profession.

Our students acquire content expertise and are immersed in foundational principles such as client-centered and evidence-based practice. Using a competency-based approach we systematically provide students with a variety of opportunities to develop their skills as collaborators, communicators, advocates, leaders, and scholars. Our graduates are prepared to maintain high professional standards, engage in ethical practice, and respond to the ever-changing needs of society.

Our instructors use a variety of teaching techniques to scaffold student learning and address the diverse needs of learners, including conventional lectures, problem-based case studies that integrate learning across courses, practical application of assessment and treatment technologies, and active and contemporary learning strategies. It is our teaching mission to create a community of learners who value diversity, life-long learning, and promote a culture of collaboration and respect for others.

Strategic Priorities (2014-19)

| | |
|------------------------------|--|
| Strategic Priority 1: | Build the Department's research profile by enhancing the research culture and supporting productivity. |
| Strategic Priority 2: | Advance the Department and the professions through high quality philosophically grounded educational programs. |
| Strategic Priority 3: | Promote our department, its programs and professions. |
| Strategic Priority 4: | Create a revenue stream to support current and future strategic objectives, programs and initiatives. |
| Strategic Priority 5: | Review, revise and sustain an effective and efficient organizational structure. |

Department Personnel

Faculty

Professors

Carol Boliek, PhD
Professor

Tammy Hopper, PhD
Professor
Vice-Dean Faculty of Rehabilitation
Medicine

Karen Pollock, PhD
Professor & Chair

Jana Rieger, PhD
Professor

Joanne Volden, PhD
Professor

Assistant Professors

Monique Charest, PhD
Assistant Professor

Esther Kim, PhD
Assistant Professor

Associate Professors

Melanie Campbell, PhD
Associate Professor

Stuart Cleary, PhD
Associate Professor

Jacqueline Cummine, PhD
Associate Professor

William (Bill) Hodgetts, PhD
Associate Professor

Lu-Anne McFarlane
Associate Professor & Associate Chair
Academic Coordinator of Clinical Education

Teresa Paslawski, PhD
Graduate Coordinator

Clinical Assistant Professors

Sandy Diediw
Clinical Assistant Professor

Debra Martin
Clinical Assistant Professor

Andrea Ruelling
Clinical Assistant Professor
Teaching Lab Coordinator

Professor Emeriti

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

Adjunct Associate Professors

M Langevin, PhD
J Paradis, PhD
D Truscott, PhD
B Tucker, PhD
P Gosselin, PhD

Adjunct Assistant Professor

S Rafaat, MSc

Sessional Instructors (2015-16)

Kim Adams
 CSD 523 Augmentative/Alternative Communication Systems
Teresa Hardy
 CSD 598 Directed Individual Reading and Research
Wendy Quach
 CSD 523 Augmentative/Alternative Communication Systems
Andrea Ruelling
 Lab Coordinator
Christina Semonick
 CSD 200 Introduction to Communication Sciences & Disorders *course development*
Melissa Skoczylas
 CSD 527 Language and Literacy

Part-Time Clinical Educators (2016)

Carly Darrow
Sandra Diediw
Allison Ehnes
Angèle Fournier

Kristen Hedley
Judith Lam Tang
Debra Martin
Karen A. Pollock

Andrea Ruelling
Melissa Skoczylas
Lauren Sorokin
Shelli Teshima

Postdoctoral Fellows

Daniel Alto
Reyhaneh Bakhtiari Kouhsorkhi
Shivraj Jhala

Administrative Staff

Carol Gray

Clinical Education Assistant

Noriko Hessmann

Receptionist/Office Assistant

Shelley Richmond

Resource Assistant

Vicki Trombley

Administrative Coordinator

Faculty Awards

Lu-Anne McFarlane

Award for Excellence in Graduate Teaching, University of Alberta

Melissa Skoczylas

Sessional Teaching Award, Faculty of Rehabilitation Medicine Teaching Awards

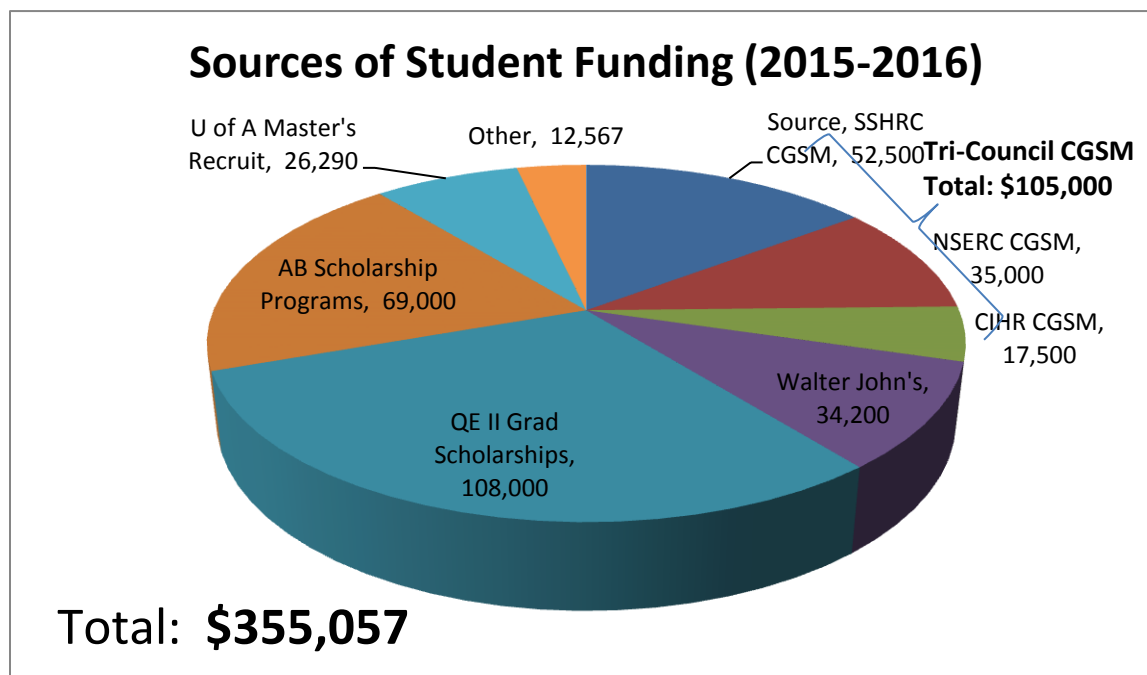
Breanna DeWaal

Graduate Student Teaching Assistant Award, Faculty of Rehabilitation Medicine Teaching Awards

Amanda Ostertag

Clinical Educator Award, Faculty of Rehabilitation Medicine Teaching Awards

MScSLP Student Awards and Scholarships



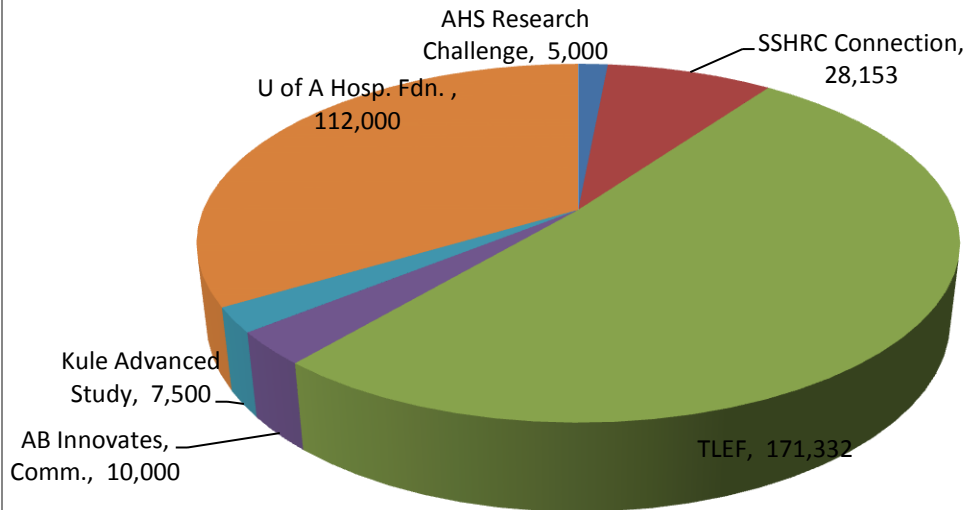
| Award/Scholarship Name | Student Name | Value |
|---|----------------------|----------|
| Queen Elizabeth II Graduate Scholarship - Master's | Ames Kariel, Allison | \$10,800 |
| Queen Elizabeth II Graduate Scholarship - Master's | Antoniuk, Rachel | \$5,400 |
| Queen Elizabeth II Graduate Scholarship - Master's | Brodie, Rachelle | \$5,400 |
| Queen Elizabeth II Graduate Scholarship - Master's | Clapp, Elysha | \$10,800 |
| Queen Elizabeth II Graduate Scholarship - Master's | Currie, Samantha | \$10,800 |
| Queen Elizabeth II Graduate Scholarship - Master's | Dewaal, Breanna | \$5,400 |
| Queen Elizabeth II Graduate Scholarship - Master's | Gould, Stephanie | \$5,400 |
| Queen Elizabeth II Graduate Scholarship - Master's | Masters, Laura | \$5,400 |
| Queen Elizabeth II Graduate Scholarship - Master's | Muc, Nausha | \$10,800 |
| Queen Elizabeth II Graduate Scholarship - Master's | Roberts, Genevieve | \$10,800 |
| Queen Elizabeth II Graduate Scholarship - Master's | Robertson, Kirsten | \$10,800 |
| Queen Elizabeth II Graduate Scholarship - Master's | Shurb-Beach, Amber | \$5,400 |
| Queen Elizabeth II Graduate Scholarship - Master's | Stephenson, Kayla | \$5,400 |
| Queen Elizabeth II Graduate Scholarship - Master's | Zado, Melissa | \$5,400 |
| Queen Elizabeth II Graduate Scholarship - Master's | Zado, Melissa | \$5,400 |
| CIHR Health Professional Student Research Award | Dixon, Gillian | \$1,417 |
| Alexander Graham Bell Canada Graduate Scholarship (NSERC) | Johns, Alison | \$17,500 |
| Alexander Graham Bell Canada Graduate Scholarship (NSERC) | Tam, Andrea | \$17,500 |

| Award/Scholarship Name | Student Name | Value |
|--|---------------------|--------------|
| Joseph-Armand Bombardier Canada Graduate Scholarship - Master's (SSHRC) | Cooper, Rebecca | \$17,500 |
| Joseph-Armand Bombardier Canada Graduate Scholarship - Master's (SSHRC) | Khu, Vanessa | \$17,500 |
| Joseph-Armand Bombardier Canada Graduate Scholarship - Master's (SSHRC) | MacDonald, Jenelle | \$17,500 |
| Alberta Scholarship Programs Graduate Student Scholarships GPA 3.7 and above | Antoniuk, Rachel | \$3,000 |
| Alberta Scholarship Programs Graduate Student Scholarships GPA 3.7 and above | Brodie, Rachelle | \$3,000 |
| Alberta Scholarship Programs Graduate Student Scholarships GPA 3.7 and above | Brompton, Laura | \$3,000 |
| Alberta Scholarship Programs Graduate Student Scholarships GPA 3.7 and above | Clapp, Elysha | \$3,000 |
| Alberta Scholarship Programs Graduate Student Scholarships GPA 3.7 and above | Clarke, Jessica | \$3,000 |
| Alberta Scholarship Programs Graduate Student Scholarships GPA 3.7 and above | Cooper, Rebecca | \$3,000 |
| Alberta Scholarship Programs Graduate Student Scholarships GPA 3.7 and above | Currie, Samantha | \$3,000 |
| Alberta Scholarship Programs Graduate Student Scholarships GPA 3.7 and above | Dewaal, Breanna | \$3,000 |
| Alberta Scholarship Programs Graduate Student Scholarships GPA 3.7 and above | Gould, Stephanie | \$3,000 |
| Alberta Scholarship Programs Graduate Student Scholarships GPA 3.7 and above | Johns, Alison | \$3,000 |
| Alberta Scholarship Programs Graduate Student Scholarships GPA 3.7 and above | Khu, Vanessa | \$3,000 |
| Alberta Scholarship Programs Graduate Student Scholarships GPA 3.7 and above | Lau, Pauline | \$3,000 |
| Alberta Scholarship Programs Graduate Student Scholarships GPA 3.7 and above | Lorenz, Allison | \$3,000 |
| Alberta Scholarship Programs Graduate Student Scholarships GPA 3.7 and above | MacDonald, Jenelle | \$3,000 |
| Alberta Scholarship Programs Graduate Student Scholarships GPA 3.7 and above | Mallon, Andrea | \$3,000 |
| Alberta Scholarship Programs Graduate Student Scholarships GPA 3.7 and above | Masters, Laura | \$3,000 |
| Alberta Scholarship Programs Graduate Student Scholarships GPA 3.7 and above | Muc, Nausha | \$3,000 |

| Award/Scholarship Name | Student Name | Value |
|--|---------------------|--------------|
| Alberta Scholarship Programs Graduate Student Scholarships GPA 3.7 and above | Roberts, Genevieve | \$3,000 |
| Alberta Scholarship Programs Graduate Student Scholarships GPA 3.7 and above | Robertson, Kirsten | \$3,000 |
| Alberta Scholarship Programs Graduate Student Scholarships GPA 3.7 and above | Shearer, Kathryn | \$3,000 |
| Alberta Scholarship Programs Graduate Student Scholarships GPA 3.7 and above | Shurb-Beach, Amber | \$3,000 |
| Alberta Scholarship Programs Graduate Student Scholarships GPA 3.7 and above | Stephenson, Kayla | \$3,000 |
| Alberta Scholarship Programs Graduate Student Scholarships GPA 3.7 and above | Tam, Andrea | \$3,000 |
| Alberta Scholarship Programs Graduate Student Scholarships GPA 3.7 and above | Zado, Melissa | \$3,000 |
| ACSLPA Academic Award | DeWaal, Breanna | \$100 |
| ACSLPA Clinical Award | Cowden, Brenna | \$100 |
| Deborah Kully Scholarship in Stuttering Treatment and Research | Brompton, Laura | \$2,500 |
| Deborah Kully Scholarship in Stuttering Treatment and Research | Muc, Nausha | \$2,500 |
| Don McColl Graduate Scholarship | Clapp, Elysha | \$3,300 |
| Dr Einer Boberg/Alberta Elks Foundation Memorial Graduate Award in Stuttering Treatment and Resaerch | n/a | n/a |
| E William Kuder Memorial Graduate Scholarship in RM | Mattson, Heather | \$1,700 |
| E William Kuder Memorial Graduate Scholarship in RM | Shearer, Kathryn | \$1,700 |
| Edmonton (host) Lions Club of Edmonton | Sutter, Kendra | \$1,100 |
| Evelyn and Gene Norville Memorial Graduate Scholarship | Clarke, Jessica | \$1,750 |
| FRM Jim and Fran Vargo Goodwill Award | Zado, Melissa | \$750 |
| FRM Student Clinical Award | Williston, Heidi | \$750 |
| | Total | \$355,057 |

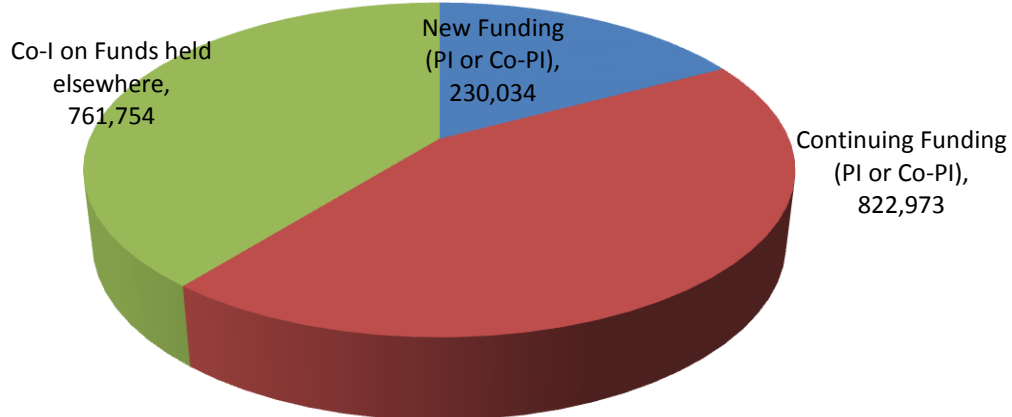
Research Funding

Sources of New Grant Funding (2015-2016)



Total New Funding (as PI or Co-PI): \$333,985

Total Funding (amount applicable in 2015-2016)



Total Funding applicable in 2015-16 (as PI or Co-PI): \$1,180,099

New Research Funding 2015-2016

| | |
|-----------------------|--|
| Author | Karen Pollock |
| Title of Grant | Child language Acquisition Research in Alberta: Weaving an integrative and inclusive network |
| Funding Agency | SSHRC (Individual Connection Grant) |
| Total Amount of Award | \$28,153 (0 available this year) |
| Dates of Funding | July 1, 2016 – June 30, 2017 |

| | |
|-----------------------|--|
| Author | Joanne Volden |
| Title of Grant | Pathways to Better Developmental Health in Autism Spectrum Disorder: Phase III |
| Funding Agency | Canadian Institutes of Health Research – Foundation Scheme, Live Pilot Grant |
| Total Amount of Award | \$5,332,278 (\$761,754 available this year) |
| Dates of Funding | April 1, 2016 – April 30, 2021 |

| | |
|-----------------------|----------------------------------|
| Author | Karen Pollock |
| Title of Grant | How Much Intervention is Enough? |
| Funding Agency | AHS Research Challenge |
| Total Amount of Award | \$5,000 (0 available this year) |
| Dates of Funding | April 4, 2016 – October 30, 2017 |

| | |
|-----------------------|--|
| Author | Jana Rieger |
| Title of Grant | See me, Hear me, Feel me...Exploring patients' experiences of head and neck cancer |
| Funding Agency | Alberta Innovates Community Engagement Grant |
| Total Amount of Award | \$10,000 |
| Dates of Funding | October 1, 2015 – September 30, 2016 |

| | |
|-----------------------|--------------------------------------|
| Author | Esther Kim & Tammy Hopper |
| Title of Grant | Communication and Aging Initiative |
| Funding Agency | UofA Hospital Foundation |
| Total Amount of Award | \$112,000 |
| Dates of Funding | August 1, 2016 – July 30, 2018 |

| | |
|-----------------------|---|
| Author | Lu-Anne McFarlane & Dr. Teresa Paslawski |
| Title of Grant | Building Capacity for Best Practices in Assessment |
| Funding Agency | Teaching and Learning Enhancement Fund |
| Total Amount of Award | \$35,332 (\$2,000 available this year) |
| Dates of Funding | May 1, 2016 – April 30, 2018 |

| | |
|-----------------------|---|
| Author | Jana Rieger |
| Title of Grant | Immersive Learning Objects in 4D: Applications in Biomedical and Health Professional Training |
| Funding Agency | Teaching and Learning Enhancement Fund, University of Alberta |
| Total Amount of Award | \$136,000 (\$68,000 available this year) |
| Dates of Funding | May 1, 2016 – April 1, 2018 |

| | |
|-----------------------|--|
| Author | Jana Rieger |
| Title of Grant | See me, Hear me, Feel me...Exploring patients' experiences of head and neck cancer |
| Funding Agency | Kule Institute for Advanced Study |
| Total Amount of Award | \$7,500 |
| Dates of Funding | October 1, 2015 – September 30, 2016 |

Continuing Research Funding

| | |
|-----------------------|---|
| Author | Dr. Jana Rieger & Dr. Chung (PI) |
| Title of Grant | Ski adhesive smart patch to monitor hydration status in real-time |
| Funding Agency | CIHR/NSERC |
| Total Amount of Award | \$597,102 (\$200,000 available this year) |
| Dates of Funding | May 1, 2015 – April 30, 2018 |

| | |
|-----------------------|---|
| Author | Dr. Carol Boliek |
| 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 | NSERC |
| Total Amount of Award | \$125,000 (\$25,000 available this year) |
| Dates of Funding | July 1, 2013 – June 30, 2018 |

| | |
|-----------------------|---|
| Author | Dr. Jacqueline Cummine |
| Title of Grant | Understanding basic reading processes: a behavioural and neuroanatomical approach |
| Funding Agency | Natural Sciences and Engineering Council of Canada |
| Total Amount of Award | \$174,000 (\$29,000 available this year) |
| Dates of Funding | April 2, 2011 – May 31, 2017 |

| | |
|-----------------------|--|
| Author | Dr. Esther Kim |
| Title of Grant | Cognitive and neural mechanisms of language and working memory |
| Funding Agency | Canada Foundation for Innovation – Infrastructure Operating Fund |
| Total Amount of Award | \$10,000 (\$3,000 available this year) |
| Dates of Funding | April 1, 2014 – March 30, 2019 |

| | |
|-----------------------|---|
| Author | Dr. Carol Boliek (PI) |
| 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 | \$98,460 (\$36,922 available this year) |
| Dates of Funding | December 1, 2012 – December 31, 2015 |

| | |
|-----------------------|---|
| Author | Dr. William (Bill) Hodgetts & Dr. Jana Rieger (PI) |
| Title of Grant | Portable swallowing therapy unit: using innovative technology to provide accessible care for head and neck cancer patients with chronic swallowing difficulties |
| Funding Agency | Alberta Cancer Foundation |
| Total Amount of Award | \$1,923,362 (\$384,672 available this year) |
| Dates of Funding | March 1, 2014 – April 1, 2019 |

| | |
|-----------------------|---|
| Author | Dr. William (Bill) Hodgetts |
| Title of Grant | Active bone conduction implants. |
| Funding Agency | William Demant Foundation |
| Total Amount of Award | \$402,000 (\$134,000 available this year) |
| Dates of Funding | September 1, 2014 – October 1, 2017 |

| | |
|-----------------------|--|
| Author | Dr. Esther Kim |
| Title of Grant | Enhancing neural plasticity in aphasia: a pilot study examining non-invasive brain stimulation and treatment intensity |
| Funding Agency | Glenrose Rehabilitation Foundation Clinical Research Grant |
| Total Amount of Award | \$10,000 (\$3,000 available this year) |
| Dates of Funding | May 1, 2015 – April 30, 2016 |

| | |
|-----------------------|--|
| Author | Dr. Monique Charest |
| Title of Grant | Sensitivity of assessment measures to language and literacy weakness in kindergarten |
| Funding Agency | University of Alberta Support for the Advancement of Scholarship (SAS) Grant Program, Faculty of Education |
| Total Amount of Award | \$8,500 (\$4,250 available this year) |
| Dates of Funding | January 1, 2015 – June 30, 2016 |

| | |
|-----------------------|---|
| Author | Lu-Anne McFarlane (PI) & Dr. Teresa Paslawski |
| Title of Grant | Professional skills acquisition in health science programs: development of curricula, learning resources and assessment methods |
| Funding Agency | Teaching and Learning Enhancement Fund, University of Alberta |
| Total Amount of Award | \$21,113 (\$10,000 available this year) |
| Dates of Funding | May 1, 2015 – April 30, 2017 |

| | |
|--------------------|---|
| Author | Dr. Karen Pollock & Dr. Ben Tucker (PI) |
| Title of Grant | Developing interactive online lab activities and an online course for phonetics |
| Funding Agency | University of Alberta – TLEF |
| Total Award Amount | \$48,810 |
| Dates of Funding | April 1, 2013 – September 1, 2016 |

Publications

Books

Authors: Lake, D., Baerg, K., & **Paslawski, T.** (2016). *Teamwork, Leadership and Communication: Collaboration Basics for Health Professionals*. Edmonton, AB: Brush Education.

Book Chapters

Pollock, K.E. (2016). Internationally adopted children learning English as a second first language. *Children's Speech Sound Disorders (2nd Edition)*. UK: Wiley-Blackwell.

Seikaly, H., O'Connell, D., **Rieger, J.**, Ansari, K., & Harris, J. (2016). Functional Oropharyngeal Reconstruction: An Evidence-Based Approach. *Sataloff's Comprehensive Textbook of Otolaryngology: Head & Neck Surgery*. London, UK: JP Medical Publishers.

Peer Reviewed Journal Articles

(asterisks indicate students)

Chaves, CR*, **Campbell, M.**, & Cortes Gama, AC. (in press). The influence of native language on auditory perceptual evaluation of vocal samples completed by Brazilian and Canadian SLPs. *Journal of Voice*, N/A: N/A.

Chouinard, B.*, **Boliek, C.**, **Cummine, J.** (2016). How to interpret and critique neuroimaging research: A tutorial on use of Functional Magnetic Resonance Imaging (fMRI) in clinical populations. *American Journal of Speech Language Pathology*, 25, 269-289.

Chouinard, B.* & **Cummine, J.** (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.

Clair-Auger, J.M.*, Gan, L.S., Norton, J.A., & **Boliek, C.A.** (2016). Simultaneous measurement of breathing kinematics and surface electromyography of chest wall muscles during maximum performance and speech tasks in children: Methodological considerations. *Folia Phoniatrica et Logopaedica*, 67: 202-211.

Cleary, S., Yanke, J.*, Masuta, B.*, Wilson, K. (in press). Free Water Protocols: What works, for whom and why? *Canadian Nursing Home*, Volume 27 Issue 3: N/A.

Constantinescu, G.* , Jeong J-W., Li, X., Scott, D., Jang, K., Chung, H-J., Rogers, J.A., & **Rieger, J.** (2016). Epidermal electronics for electromyography: An application to swallowing therapy. *Medical Engineering and Physics*, (Epub ahead of print): [Epub ahead of print].

Cummine, J., Chouinard, B.* , Szepesvari, E.* , & Georgiou, G.K. (2016). An examination of the rapid automatized naming-reading relationship using functional magnetic resonance imaging. *Neuroscience*, 305: 49-66.

Cummine, J., Cribben, I., Luu, C., **Kim, E.**, Bahktiari, R.* , Georgiou, G., & **Boliek, C.A.** (2016). Understanding the role of speech production in reading: Evidence for a print-to-speech neural network using graphical analysis. *Neuropsychology*, 30: 385-397.

Hardy, T.L.D.* , **Boliek, C.A.**, Wells, K., Dearden, C., Zalmanowitz, C., & **Rieger, J.M.** (2016). Pretreatment acoustic predictors of gender, femininity, and naturalness ratings in individuals with male-to-female gender identity. *American Journal of Speech-Language Pathology*, 25: 125-137.

Hopper, T., Slaughter, S., **Hodgetts, W.E.**, Ostevik, A., & Ickert, C. (in press). Hearing loss and cognitive-communication test performance among long-term care residents with dementia: Effects of amplification. *Journal of Speech, Language, and Hearing Research*, N/A: N/A.

Kim, E.S., Ruelling, A., Garcia, J.R.* , & Kajner, R. (in press). A pilot study examining the impact of aphasia camp participation on quality of life for people with aphasia. *Topics in Stroke Rehabilitation*, N/A: N/A.

Mackey, A., **Hodgetts, W.E.**, Scott, D., & Small, S.A. (in press). Maturation of mechanical impedance of the skin-covered skull: Implications for soft band bone-anchored hearing systems fitted in infants and young children. *Ear and Hearing*, N/A: N/A.

Suleman, S., & **Hopper, T.** (2016). Decision making capacity and aphasia: Speech-language Pathologists' perspectives. *Aphasiology*, 30: 381-395.

Vaillancourt, T., Haltigan, J., Smith, I., Zwaigenbaum, L., Szatmari, P., Fombonne, E., Waddell, C., Duku, E., Mirenda, P., Georgiades, S., Bennett, T., **Volden, J.**, Elsabbagh, M., Roberts, W., & Bryson, S. (2016). Joint trajectories of internalizing and externalizing problems in preschool children with Autism Spectrum Disorder. *Development and Psychopathology*, 5, 1-12

Westbury, C., Cribben, I., & **Cummine, J.** (2016). Imaging imageability: Behavioral effects and neural correlates of its interaction with affect and context. *Front. Hum. Neurosci.*
<http://dx.doi.org/10.3389/fnhum.2016.00346>

Williamson (nee Schmidt), T.* , & **Paslawski, T.** (2016). Resilience in dementia: Perspectives of those living with dementia and their care partners. *Canadian Journal of Speech-Language Pathology and Audiology*, 40: 1-15.

Zaidman-Zait, A., Mirenda, P., Duku, E., Vaillancourt, T., Smith, I., Szatmari, P., Bryson, S., Fombonne, E., **Volden, J.**, Waddell, /C., Zwaigenbaum, L., Georgiades, S., Bennett, T., Elsabbagh, M., & Thompson, A. (2016). Impact of personal and social resources on parenting stress in mothers of children with autism spectrum disorder. *Autism*, DOI: 10.1177/1362361316633033.

Presentations/Abstracts

Abstracts

Boliek, C.A., Bakhtiari, R., Reed, A.J.*, Major, B.J., Cribben, I., Gyanen, H.H.M., Jaswal, A.*, Bremmekamp, D.*, Fox, C.M., Chouinard, B.*, & **Cummine, J.** (2015). Neural and physiological changes following intensive voice therapy in children with motor speech disorders secondary to cerebral palsy. *Movement Disorders*, Vol. 30, Suppl 1, p. S205.

Fox, C.M., & **Boliek, C.A.** (2015). Technology-enhanced maintenance practice following intensive voice therapy (LSVT LOUD) in children with cerebral palsy and dysarthria. *Movement Disorders*, Vol. 30, Suppl 1, p. S205.

Mills, T., **Pollock, K.E.**, & Tucker, B.V. (2015). Laboratory activities for large and online phonetics classes. In J. Przedlacka, J. Maidment, & M. Ashby (Eds.), *Proceedings of the Phonetics Teaching and Learning Conference*, University College London, London, UK, 5-7 August 2015. ISBN (eBook-PDF) 978-0-9926394-1-9 (pp. 57-61).

Conference Presentations

(asterisks indicate student/trainee)

Refereed

| Author | Title of Paper | Conference |
|--|--|--|
| Bakhtiari, R.* , Cummine, J., Reed, A.J., Mahé, N.B.* , Fox, C.M.* , & Boliek, C.A. | Changes in the neural activation and network connectivity following intensive voice treatment in children with cerebral palsy. | Newport Beach, CA, USA. March 5, 2016. |
| Boliek, C.A., Bakhtiari, R.* , Reed, A.J.* , Mager, B.J.* , Cribben, I., Gynane, H.H., Jaswal, A.* , Bremmekamp, D.* , Fox, C.M.* , Chouinard, B., & Cummine, J. | Neural and physiological changes following intensive voice therapy in children with motor speech disorders secondary to cerebral palsy. | San Diego, CA, USA. June, 1 2016. |
| Boliek, C.A., Hardy, T.L.D.* , Halpern, A.E., Fox, C.M.* , & Ramig, L.O. | The effects of intensive voice treatment (LSVT LOUD) on speech motor control in children with Down Syndrome. | Santa Fe, NM, USA. January 25, 2016. |
| Brett-MacLean, P., Yoon, M., Caulfield, S., Rieger, J., Vallianatos, H., Nayar, S., McTavish, L., & Necyck, B. | Enacting arts research/creation: A theatre-based approach to exploring experiences of patients treated for head and neck cancer. | Edmonton, AB. May 1, 2016. |
| Cleary, S., Kalra, S., & Johnston, W. | The effects of a volitional breathing technique on swallowing and respiratory coordination in individuals with ALS. | Toronto , ON May 1, 2016. |
| Cleary, S., Kalra, S., & Johnston, W. | The effects of a volitional breathing technique on swallowing and respiratory coordination in individuals with ALS. | Toronto, ON. May 1, 2016. |
| Constantinescu, G.* , Kiung, B., & Hodgetts, W.E. | Determinants for adherence to home swallowing therapy in patients with head and neck cancer: Understanding patient preferences for visual biofeedback. | Utrecht, Netherlands. November 4, 2015. |
| Del Genio, J.* , Suleman, S.* , McFarlane, L., Paslawski, T., Hall, M., Bostick, G., Kanuka, H., Zarski, C., Schmitz, C., Esmail, S., & Martin, B. | Work readiness and the rehabilitation disciplines: A qualitative study examining the knowledge, skills and attitudes that facilitate successful entry to practice. | Edmonton, AB. October 22, 2015. |
| Hardy, T.* , Boliek, C., & Rieger, J. | Informing communication feminization treatment by relating communication characteristics to measures of gender attribution. | Edmonton, AB. May 1, 2016. |

| Author | Title of Paper | Conference |
|---|---|---|
| Hardy, T. *, Boliek, C., & Rieger, J. | Communication –based predictors of gender and femininity: Informing communication feminization treatment. | Amsterdam, Netherlands. June 15, 2016. |
| Hardy, T., Boliek, C., & Rieger, J. | Communication –based predictors of gender and femininity: Informing communication feminization treatment. | Amsterdam, Netherlands. June 15, 2016. |
| Hodge, M., Feng, J., & Mah, J.K. | Speech impairment in early onset facioscapulohumeral dystrophy. | Toronto, ON. July 7, 2016. |
| Jhala, S. *, Freitag, J., Boliek, C.A., Georgiou, G.K., & Cummine, J. | Examining the neural correlates of rapid automatized naming (RAN) in dyslexia. | Chicago, IL, USA. October 15, 2015. |
| Jitlina, K., Zumbo, B., Mirenda, P., Szatmari, P., Bryson, S., Fombonne, E., Smith, I., Vaillancourt, T., Volden, J., Zwaigenbaum, L., Georgiades, S., Duku, E., Elsabbagh, M., Bennett, T., Thompson, A., and the Pathways in ASD Team | Examining the factor structure in the Spence Children’s Anxiety Scale – Parent Version in children with autism spectrum disorder. | Baltimore, MD, USA. May 12, 2016. |
| Kim, E.S., & Suleman, S. * | The feasibility of using pupillometry to measure cognitive effort in aphasia: Evidence from a working memory span task. | Tucson, AZ, USA. October 19, 2015. |
| Lake, D., Baerg, K., & Paslawski, T. | Building skills for expert collaboration. | Roanoke, VA, USA. October 2, 2015. |
| Lechelt, L., & Rieger, J. | Involving patients and front-line clinicians in setting cancer research priorities: Early findings from an Alberta demonstration project. | Calgary, AB. May 1, 2016. |
| Lechelt, L., & Rieger, J. | Involving patients and front-line clinicians in setting cancer research priorities: Early findings from an Alberta demonstration project. | Edmonton, AB. May 1, 2016. |
| Ley, D., Weinzimmer, E., Andrews, M. *, Carter, V. *, DeSantis, D. *, Masters, L. *, & Campbell, M. | Externally applied vibration as a vocal tool. | Edmonton, AB. October 22, 2015. |

| Author | Title of Paper | Conference |
|---|---|---|
| Liu, L., Elias, A., Rieger, J., & Chung, H-J | pH indicating colorimetric tough hydrogel for smart wound dressing application. | Toronto, ON. June 1, 2016. |
| Mackie, K. *, & Pollock, K. | Vowels and consonants: The relative effect of speech sound errors in intelligibility. | Flagstaff, AZ, USA. June 24, 2016. |
| Mills, T., Pollock, K., & Tucker, B. | Laboratory activities for large and online phonetics classes. | Denver, CO, USA. November 14, 2015. |
| Paslawski, T., & Earle, K.* | Resilience in dementia: Perspectives of persons with dementia and their care partners. | Edmonton, AB. February 11, 2016. |
| Reed, A.J.*, Cummine, J., Bakhtiari, R. *, Fox, C.M. *, Chang, A. *, Mahé, N.B. *, & Boliek, C.A. | Changes in white matter integrity following intensive voice treatment (LSVT LOUD) in children with cerebral palsy and motor speech disorders. | Newport Beach, CA, USA. March 5, 2016. |
| Rieger, J. | Capturing meaningful patient data for translation into improved health outcomes. | Belgrade, Serbia. May 6, 2016. |
| Rieger, J. | The era of polymetric science in treatment of head and neck defects. | Kerala, India. May 12, 2016. |
| Rieger, J. | Functional outcomes: Advanced reconstructive surgery of the maxilla and mandible. | Santiago, Chile. March 1, 2016. |
| Rieger, J., & Constantinescu, G.* | Dysphagia prehabilitation: Potential indications for mobile technology. | Orlando, FL, USA. October 10, 2015. |
| Rieger, J., & Wolfaardt | Transforming head and neck reconstruction: The impact of digital technologies. | Scottsdale, AZ, USA. March 10, 2016. |
| Sahadevan, S.S., Kim, E.S., & Cummine, J. | Neurophysiological mechanisms of the effect of aging on context use in sentence comprehension. | Toronto, ON. March 15, 2016. |
| Schmitz, C., Drynan, D., Nagarajan, S., Hall, M., McAllister, L., McFarlane, L., & Roots, R. | Telesupervision for remote and role-emerging placements. | Banff, AB. April 19, 2016. |

| Author | Title of Paper | Conference |
|---|---|--|
| Smith, I., Miranda, P., Duku, E., Szatmari, P., Bryson, S., Fombonne, E., Vaillancourt, T., Volden, J., Waddell, C., Zwaigenbaum, L., Elsabbagh, M., Georgiades, S., Bennett, T., and the Pathways in ASD study team. | What predicts speech development in young minimally verbal children with ASD? | Baltimore, MD, USA. May 12, 2016. |
| Suleman, S. *, & Kim, E.S. | Working memory and people with aphasia: A preliminary study of cognitive effort. | Halifax, NS. April 28, 2016. |
| Suleman, S. *, & McFarlane, L. | Preparing for success in the workplace: Translating perspectives into educational and advocacy resources. | Halifax, NS. April 25, 2016. |
| Suleman, S. *, Kim, E.S., & Hopper, T. | Nonverbal decision making in two people with aphasia: A preliminary investigation. | Denver, CO, USA. November 14, 2015. |
| Suleman, S. *, Kim, E.S., & Hopper, T. | A comparison of processing load during non-verbal decision-making in two individuals with aphasia. | Tucson, AZ, USA. October 19, 2015. |
| Vickers, C., & Hopper, T. | Integration of the ICF into graduate education: Preparing students to conduct person-centered care. | Denver, CO, USA. November 14, 2015. |
| Washington, K., McCormack, P., Williams, L., Thomas-Stonell, N., & Hopper, T. | Person centered outcomes in culturally diverse contexts: International applications of the ICF. | Denver, CO, USA. November 14, 2015. |
| Wells, R. *, Boliek, C.A., Maraj, B., & Beal, D. | Motor sequence learning in developmental stuttering. | Denver, CO, USA. November 6, 2015 |
| Yoon, M.N., Vallianatos, H., Rieger, J., Nayar, S., & Brett-MacLean, P. | See me, hear me, heal me: Patient narratives of head and neck cancer illness experiences. | Edmonton, AB. May 1, 2016. |

Invited

| Author(s) | Title of Paper | Conference |
|--|---|---|
| Boliek, C. | Principles of treatment dependent neuroplasticity and motor learning: Therapeutic applications for children with neurogenic communication disorders. | Alberta College of Speech-Language Pathologists and Audiologists Annual Conference. Edmonton, AB. October 23, 2015. |
| Boliek, C. | Changes in brain connectivity following intensive voice treatment in children with motor speech disorders secondary to cerebral palsy. | Neuroscience and Mental Health Institute seminar series. Edmonton, AB. November, 2015. |
| Charest, M. | Interference during lexical access for language production: Considerations for typical language development and development language impairments. | University of Calgary Department of Linguistics, Languages, and Cultures, Speaker Series. Calgary, AB. March, 2016. |
| Cleary, S. | Improving cough and airway clearance in neuromuscular disorders: A quality health improvement project. | IQM Connections Forum. Edmonton, AB. June 2016. |
| Cleary, S. | Improving cough and airway clearance in neuromuscular disorders: A quality health improvement project. | Integrated Quality Management Forum, Alberta Health Services. Edmonton, AB. June 2016. |
| Cleary, S. | Provided an overview of five clinical research projects that were completed the past year in the ALS clinic & the Neuromuscular Multidisciplinary Clinic. | Neuromuscular Grand Rounds. Edmonton, AB. June 2016 |
| Cummine, J. | Speech-language neural networks in skilled and impaired adult readers: Using graphical models to evaluate a print-to-speech network. | University of Western Ontario London, ON. July 2015. |
| Hall, M., Zarski, G., Bostick, G., McFarlane, L., & Paslawski, T. | Improving teaching assessment practice in Rehabilitation Medicine. | University of Alberta CTL Summer Symposium. Edmonton, AB. August 2015. |
| Hodge, M. | Childhood apraxia of speech: More than a motor speech disorder. | Organization of Alberta Students in Speech (OASIS) Annual Conference. Edmonton, AB. September 2015. |
| Hodgetts, W.M. | How do we measure outcomes for SSD. | 10 th International Congress on Cholesteatoma and ear surgery. Edinburgh, Scotland. June 2016. |

| Author(s) | Title of Paper | Conference |
|-----------------------|--|---|
| Hodgetts, W.M. | Hearing loss: A conversation stopper. | University of Alberta Lunch and Learn. Edmonton, AB. May 2016. |
| Hodgetts, W.M. | Outcome measures in bone anchored hearing solutions. | Bone Anchored Summit of the Americas. Fort Lauderdale, FL November 2015. |
| Hopper, T. | Interventions for Individuals with dementia. | Baycrest Centre for Geriatric Care. Toronto, ON. May 2016. |
| Hopper, T. | Memory, communication and dementia. | Trinity Week, Trinity College. Dublin, Ireland, UK. April 2016. |
| Hopper, T. | Promoting social interaction for individuals with dementia. | ASHA: Maximizing Functional Outcomes for Patients with Dementia (online conference). May 2016. |
| Hopper, T. | Promoting functional abilities for individuals with dementia. | ASHA: Maximizing Functional Outcomes for Patients with Dementia (online conference). May 2016. |
| Kim, E. | Reading and writing treatments for Aphasia. | BC Speech-Language Pathology & Audiology Association (BCSLPA) Annual Conference. Penticton, BC. October 2015. |
| Kim, E. | An overview of written language treatments for aphasia. | University of Alberta Hospital continuing education seminar. Edmonton, AB. November 2015. |
| McFarlane, L. | Motivational interviewing in health care and educational settings. | SLP Association of the NWT. Yellowknife, NWT. June 2016. |
| McFarlane, L. | iPad use in Speech-Language Pathology. | SLP Association of the NWT. Yellowknife, NWT. June 2016. |
| Paslowski, T. | Creating and demonstrating simulations. | Faculty of Rehabilitation Innovative Teaching Seminar. Edmonton, AB. January 2016. |

Service Contributions

| Type of Service | Organization |
|---|--|
| Associate Editor - Paediatric motor speech, voice and resonance | International Journal of Speech-Language Pathology (IJSLP) |
| Associate Editor - Child phonology; Cultural/Linguistic diversity | International Journal of Speech-Language Pathology (IJSLP) |
| Associate Editor - Child Language | Journal of Speech, Language and Hearing Research |
| Editorial Board Member | Canadian Journal of School Psychology |
| Editorial Review Board Member | Canadian Journal of Speech-Language Pathology & Audiology |
| Manuscript Reviewer | American Journal of Speech-Language Pathology |
| Manuscript Reviewer | American Journal of Speech-Language Pathology and Audiology |
| Manuscript Reviewer | British Journal of Education, Society, and Behavioural Science |
| Manuscript Reviewer | Clinical Linguistics & Phonetics Journal |
| Manuscript Reviewer | Developmental Rehabilitation |
| Manuscript Reviewer | Geriatric Nursing Journal |
| Manuscript Reviewer | International Journal of Speech-Language Pathologists (IJSLP) |
| Manuscript Reviewer | Journal of Aphasiology |
| Manuscript Reviewer | Journal of Applied Physiology |
| Manuscript Reviewer | Journal of Communication Disorders |
| Manuscript Reviewer | Journal of Communication Disorders |
| Manuscript Reviewer | Journal of Neurophysiology |
| Manuscript Reviewer | Journal of Speech, Language and Hearing Research |
| Manuscript Reviewer | Journal of Speech, Language and Hearing Research |
| Manuscript Reviewer | Journal of Speech-Language-Hearing Research |
| Manuscript Reviewer | Logopedics Phoniatrics Vocology |
| Manuscript Reviewer | Neuroimage, Cerebral Cortex, and Frontiers in Human Neuroscience |
| Manuscript Reviewer | Neuropsychologia Journal |
| Grant Reviewer | Canadian Institutes of Health Research (CIHR) |
| Grant Reviewer | LSVT Global, Inc. |
| Scientific Program Reviewer | Motor Speech Conference |
| Conference Proposal Reviewer | Society for Teaching and Learning in Higher Education |
| Convention Program Committee Member | American Speech-Language-Hearing Association (ASHA) |

| Type of Service | Organization |
|---|---|
| Education Committee Member | International Society for Maxillofacial Rehabilitation Executive |
| Research Advisor | National Institutes of Health Research (NIH) |
| Academic Advisor & Scientific Consultant | Ethel & Jack Hausman Clinical Research Scholars Award |
| University of Alberta Representative | Council of University Programs in Communication Sciences & Disorders (CCUP-CSD) |
| MSc-SLP Program Reviewer | McMaster University |
| External Evaluator | University of Western Ontario's Communication Sciences and Disorders Program |
| President | Canadian Academy of Audiology |
| Provincial Practice Leadership Committee Member | Provincial Audiology |
| Council Member | AHS SLP Provincial Professional Practice Council |
| Ad-Hoc Committee Member | AHS Outcome Measures in SLP Provincial Working Group |
| Speaker/Facilitator | SLPs in Alberta |
| Ad-Hoc Committee Member | AHS Provincial Free Water Protocol |
| AHS Research Challenge Mentor | Alberta Health Services (AHS) – Central Zone |
| Ad-Hoc Committee Member | Alberta College of Speech-Language Pathologists and Audiologists |
| Committee Member | SLPs in Alberta Code of Ethics Advisory Group |
| Simulation Developer | Dalhousie University Healthcare Training Programs |
| Planning Committee Member | Collaborating Across Borders (CAB) IV |
| Developer | AAC Camp Alberta |
| Co-Director | Alberta Aphasia Camp |

Clinical Education

For the 2015/2016 academic year (September 1, 2015 to August 31, 2016), 337 placements were coordinated through the office of the Academic Coordinator of Clinical Education (ACCE). Students completed placements at a variety of locations within and outside Alberta, including international placements. We also hosted two students from Curtin University, Perth, Australia as part of our clinical exchange agreements.

All students obtained the number of clinical hours required for membership in Speech-Language Pathology and Audiology Canada and registration with the Alberta College of Speech-Language Pathologists and Audiologists, as well as other provincial regulators. All students acquire and document 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) | 179 |
| Adult | 130 |
| Mixed (Adult & Pediatric) | 28 |
| Total: | 337 |

A breakdown of placements by setting is presented below:

| Population | Number of Placements |
|---|----------------------|
| Community Health Centers/Schools | 102 |
| Early Education/Child Development Centers | 9 |
| Community Rehabilitation | 31 |
| Hospitals (Rehabilitation and Acute) | 74 |
| Corbett Clinic | 116 |
| Institute for Stuttering Treatment and Research | 5 |
| Total: | 337 |

A list of all agencies participating in clinical education by offering placements is at the end of this section. The Department of Communication Sciences and Disorders acknowledges the tremendous contribution made by participating sites and clinical educators to educating our students and to building the future of our profession.

The University of Alberta Speech Language Pathology Clinic (Corbett Clinic) accommodates first year students for the first two introductory placements during the spring of their first and fall of their second year. These are part-time placements done concurrently with academic coursework. Advanced clinical placements, in the Winter term of students' second year are

organized by the ACCE and clinical staff in collaboration with community partners in public health care, education and specialized setting across local, provincial, national and international locations. To accommodate student diversity in background and previous experiences, individualized placement plans for each student are developed and clinical placements are arranged based on student needs. The clinical placement team collaborates with receiving agencies to establish relationships, strengthen placement capacity and streamline the placement process.

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

Clinical education training sessions were offered to some sites to provide support for supervision, helping to reinforce current placements and build capacity for the future.

Corbett Clinic Speech Language Pathology Clinic

Corbett Clinic offers individual speech and language therapy to children and adults. Clinics are offered during the Spring, Fall and Winter terms. Service is provided by teams of student clinicians supervised by licensed speech language pathologists. The structure of our Clinic provides students with direct treatment, observation and consultative experience. Students gain experience working in groups, pairs and individually, providing services to both individuals and groups . During the 2015/2016 academic year, Corbett Clinic provided 116 placement opportunities to students.

The clinical education team at Corbett Clinic consists of sessional instructors employed year round to organize and coordinate clinic scheduling and placements. This provides consistent processes 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, facilitating collaboration with community partners.

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.

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. 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, engaged 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.
- 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 behavior 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.

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 continually to reflect best practice in early education and rehabilitation.

CHEEP is housed in Corbett Hall and, 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 Funding) and other school funding from Alberta Education.

The following are some highlights from the 2015-16 school year:

- CHEEP completed its 14th year of operation.
- It was a successful year for our program children. By the end of the school year, 2 of 14 children moving on to another program no longer presented with a severe developmental delay on standardized assessment. In addition, substantial progress was observed in Individual Program Plan objectives.
- Program staff provided 169 – 90 minute family oriented programming sessions (home or community visits) to program children/families, designed to target individual client objectives.
- Program staff provided 27 – 3 hour group school visits for families, again targeting individual goals of children as well as providing families the opportunity for group interaction and network building.
- Program staff provided 2 parent education sessions on the topics “positive behaviour management” and “picky eaters”. These sessions were very well received and we were encouraged to continue to provide opportunities for parent education.
- 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. This included provision of a transition package, touring school/program options with parents, providing a transition visit for several children, facilitating observations of 2 children in the classroom and follow-up meeting for receiving school staff, inclusion of receiving school staff at 2 year end meetings, and provision of ‘tips for successful transition’ for receiving schools for 5 children with complex needs.
- Parents of both program children and community children were provided with an evaluation in June, 2015 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. 8 /19 surveys were returned and parents were 98% satisfied overall.
- CHEEP, in collaboration with Corbett Clinic, was able to provide excellent interprofessional clinical educational opportunities for MSLP students. A total of **16** students completed a fall placement through CHEEP. In addition, **1** student participated in a long-term clinical placement in CHEEP during the year.
- The program was able to provide opportunity for observation to OT students as part of their course work in September 2015.
- 2-75 was renovated by Dept. OT to become a multi-purpose room. We are collaborating with OT to schedule time for CHEEP clients to continue to use this space for gross motor time throughout the school year. This is critical as we provide programming for children with motor delays and no other indoor space is designed for safe ‘gym’ activities.
- CHEEP staff participated in professional development activities including: recertification of first aid/CPR training in August, team attendance at ‘Proven Self-Regulation Strategies and Interventions for Children’ conference in October. Select staff also received some ‘Yoga for Children’ training.

- CHEEP successfully completed 2 reviews by Alberta Education during the school year.
 - In October 2015 CHEEP participated in a Private ECS Operator Review. The Field Services Manager’s formal comments included: “the program was well organized and managed and all requirements mandated through Alberta Education are being met.”
 - In December, 2015 CHEEP participated in a more in-depth on-site monitoring visit with 2 Senior Managers from the School Accreditation and Standards Branch of Alberta Education. The outcome was positive and comments included, “we appreciate the exemplary philosophy and practices that you employ throughout your organization.” With regard to the CHEEP team, the reviewers noted, “Everyone around the table revealed their passion and commitment to supporting young children and their families in effective ways.” The program met the requirements of legislation and regulations for operation as a private ECS.

Highlights for the upcoming 2016-2017 school year:

- Our Annual Operating Plan has been approved by Alberta Education for the school year.
- The program is full with 7 returning and 8 new program children.
- 6/6 positions are filled for community children.
- The program has been fortunate to retain the professional team members from the previous school year.
- The most recent provincial budget led to no increase or decrease in funding rates for 2016-17 for private ECS operators. Salaries for academic and non-academic staff increased in the most recent U of A collective agreements. To manage increasing costs of salaries and benefits paired with static funding, we resolved to take on an additional program child (total of 15 funded children rather than 14). A preliminary balanced budget has been devised.

Clinical Placement List

| Clinical Placement Site | |
|---|---------------------------|
| Alberta Children's Hospital | AHS Calgary Zone |
| Community Health Services | AHS Calgary Zone |
| Foothills Hospital | AHS Calgary Zone |
| ISFL | AHS Calgary Zone |
| Peter Lougheed Centre | AHS Calgary Zone |
| Rockyview Hospital | AHS Calgary Zone |
| Sheldon Chumir Health Centre | AHS Calgary Zone |
| South Health Campus | AHS Calgary Zone |
| Centennial Centre for Brain Injury | AHS Central Zone |
| Two Hills Health Centre | AHS Central Zone |
| Wetaskiwin Health Centre | AHS Central Zone |
| Cross Cancer Institute | AHS Edmonton Zone |
| Community Health Services | AHS Edmonton Zone |
| Community Rehabilitation Interdisciplinary Services | AHS Edmonton Zone |
| Facility Living | AHS Edmonton Zone |
| Glenrose | AHS Edmonton Zone |
| Royal Alexander Hospital | AHS Edmonton Zone |
| University of Alberta Hospital | AHS Edmonton Zone |
| Community Health Services | AHS North Zone |
| Community Health Services | AHS South Zone |
| Lethbridge Hospital | AHS South Zone |
| Medicine Hat Hospital | AHS South Zone |
| Dr. Vernon Fanning Centre | Alberta - Carewest |
| Grey Nuns Hospital | Alberta - Covenant Health |
| St. Michaels Hospital | Alberta - Covenant Health |
| Misericordia Hospital | Alberta - Covenant Health |
| Villa Marie | Alberta - Covenant Health |

| Clinical Placement Site | |
|--|----------------------------|
| ARBI | Alberta - Other Health |
| ISTAR | Alberta - Other Health |
| Providence Child Centre | Alberta - Other Health |
| CHEEP | Alberta - Other Non-Health |
| Connect Society | Alberta - Other Non-Health |
| Child Development Centre | British Columbia |
| Coast Mountain School District | British Columbia |
| Central Okanagan School District | British Columbia |
| Comox Valley Child Development Association | British Columbia |
| Cowichan School District | British Columbia |
| Fraser Valley Child Development Centre | British Columbia |
| Greater Victoria School District 61 | British Columbia |
| Community Health Services | British Columbia |
| Kelowna General Hospital | British Columbia |
| Kootenay Valley Hospital | British Columbia |
| Langley School District | British Columbia |
| Royal Inland Hospital | British Columbia |
| Terrace Child Development Centre | British Columbia |
| Autism Association | International - Australia |
| Montrose Hospital | International - USA |
| Janeway Children's Health Centre | Newfoundland |
| Dufferin School Division | Ontario |
| University of Ottawa | Ontario |
| Battleford | Saskatchewan |
| Greater Saskatoon Catholic Schools | Saskatchewan |
| Heartland Health Region | Saskatchewan |
| Regina Public Schools | Saskatchewan |
| Royal University Hospital | Saskatchewan |
| Saskatchewan Rivers School Division | Saskatchewan |

| Clinical Placement Site | |
|-----------------------------------|-------------------|
| Private/Independent | Alberta - Schools |
| Renfrew Education | Alberta - Schools |
| Edmonton Catholic School District | Alberta - Schools |
| Edmonton Public School Board | Alberta - Schools |
| Els Island Schools | Alberta - Schools |
| Calgary School District | Alberta - Schools |
| Rocky View School District | Alberta - Schools |
| St. Albert School District | Alberta - Schools |
| Westwind School District. | Alberta - Schools |
| Corbett Clinic | UofA |

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 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 Francophone children. 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)*.

Registration Information 2015-6

January-March 2016

REHAB 563 (formerly 554): Reading and Spelling Development: Assessment and Treatment Considerations in the Francophone Context

6 students completed; all are SLPs.

May-June 2016

REHAB 560 (formerly 553): Bilingualism in the Clinical and Educational Context: Linguistic, Cultural and Social Issues.

8 students completed: 5 are SLPs; 3 were not and therefore cannot complete the certificate program

August 2016

REHAB 562 (formerly 552): Language Development, Assessment and Treatment Considerations in the Francophone Context

5+ ready to register in July 2016; 2 students completed. Both had completed REHAB 560 in May-June 2016.

Total Francophone Certificate Graduates in 2015-16: 2



Health
Canada Santé
Canada



Student Research

Thesis Completed 2015 – 2016

| Student Name | Supervisor(s) | Thesis Title |
|--------------|-----------------------|--|
| Anton, K. | Cummine, J. & Kim, E. | Examining activation of lexical and semantic representations without intention: Evidence from event-related potentials. |
| Dixon, G. | Kim, E. & Hopper, T. | Evidence based intervention for primary progressive aphasia. |
| Earle, K. | Paslawski, T. | Resilience in dementia: Perspectives of individuals with dementia and their care partners. |
| Eason, N. | Boliek, C. | Voice and speech outcomes following voice and motor speech treatment delivered sequentially to children with motor speech disorders secondary to Cerebral Palsy. |
| Mackie, K. | Pollock, K. | Vowels and consonants: The relative effect of speech sound errors on intelligibility. |
| Mager, B. | Boliek, C. | Breathing dynamics for non-speech and speech tasks following intensive voice and speech treatment in children with motor speech disorders secondary to Cerebral Palsy. |
| Pacey, L. | Campbell, M. | Consultant practitioners' self-reported techniques for supporting Central and Northern Alberta students who are deaf and hard of hearing. |
| Leonard, C. | Langevin, M. | Effects of disfluencies on listeners' processing of speech. |

CSD900 Projects Completed 2015 – 2016

| Student Name | Supervisor(s) | Project Title |
|---|---------------|---|
| Alain, J., De Leon, M., Ostapowich, D., Skriver, C., Simioni, A. & Sutter, K. | Paslawski, T. | Analysis and revision of an Edmonton Public Library materials pamphlet for adults with neurological communication disorders |
| Beddie, S., Dembicki, L. & St Goddard, R. | Boliek, C. | Behavioural and physiological outcomes following intensive Expiratory Muscle Strength Training (EMST) in an adult with Cerebral Palsy |

| Student Name | Supervisor(s) | Project Title |
|---|----------------------------|--|
| Bernier, M. | Hodgetts, W. | Exploring audiology services in Alberta: Patient, parent and clinician perspectives |
| Bittman, C., Duncan, A., Forest, E. & McAvoy, R. | Kim, E. | The effects of Alberta Aphasia Camp on quality of life for people living with Aphasia |
| Borger, P., Sanders, K. & Yip, B. | Charest, M. | Assessing language at kindergarten age and predicting ongoing risk: perspectives of clinicians and an update on the evidence |
| Boron, B., Pedersen (Boyce), L., Stephens, K. & Wolff, C. | Boliek, C. | The effects of Lee Silverman Voice Treatment (LSVT LOUD ©) on the speech intelligibility of children with dysarthria secondary to Cerebral Palsy |
| Chernik, A., Richards, M. & Wills, R. | McFarlane, L. & Diediw, S. | Using iPad apps to support meaningful communication: Educational resources for parents |
| Lee, K. & Nutter, A. | Cleary, S. | Multifaceted treatment approaches for speech and swallowing: case studies and systematic reviews |
| Commandeur, D. & Robertson, K. | Adams, K. | An investigation of the language produced by a child with physical disabilities while directing a partnered math activity with and without the use of a Lego robot |
| Danielsen, S., Erven, L. & Savill, S. | Langevin, M. | Developing Student Teachers' understanding of stuttering through exposure to video recordings of people who stutter |
| Del Genio, J. | Boliek, C. & Cummine, J. | Work readiness in Speech-Language Pathology: A qualitative study examining the knowledge, skills and attitude that facilitate successful entry to practice |
| Dodd, E. & Engel, K. | Volden, J. | Beyond sentences: Profiling language and communication in school-aged children with Autism Spectrum Disorder (ASD) |
| Donnelly, M. & Kinsman, M. | Kim, E. | Neurophysiological mechanisms of reading in alexia: development of stimuli to examine semantic integration using the N400 response |
| Eleason, C., Jackson, D. & Templeton, L. | Beal, D. | An in-house lab manual for analyzing white matter pathways in children who stutter |
| Fleming, R. & Minaudo, C. | McFarlane, L. | Implementing technology into clinical practice: Speech-Language Pathologists and iPad Use |
| Hansen, S., Salli, C. & Woodruff, C. | Cleary, S. | The effects of manual cough augmentation on pulmonary function in individuals with Amyotrophic Lateral Sclerosis (ALS) |

| Student Name | Supervisor(s) | Project Title |
|-----------------------------|---------------|--|
| Mullen, C. & Perez-Leon, A. | Pollock, K. | Language skills of children adopted from China and their non-adopted peers |
| Peters, J. & Smith, J. | Paslawski, T. | Qualitative analysis of student reflections on Interprofessional Collaboration Education |
| Van Ruskenveld, S. | Schneider, P. | Stories told by hearing children of deaf adults: a comparison of signed and oral productions |

Events 2015 – 2016

Corbett Carnival and the Organization of Alberta Student in Speech (OASIS) Conference

Each year, Corbett Clinic students and staff plan a day long summer carnival for clients and their families. As usual, this year's Carnival was a huge success. In addition, OASIS plans a day-long academic conference was held in September. This conference provides students and interested undergraduates with information about the program, and topics of interest in Speech-Language Pathology. It's an impressive undertaking for a group of busy students, but this year, like every other, was well attended and stimulating for all.

Alberta Aphasia Camp – September 18-20, 2015



The second annual Alberta Aphasia Camp took place on a beautiful fall weekend in September. It was again held at the YoWoChAs Outdoor Education Centre on the shores of Lake Wabamun, about 80km west of Edmonton. The purpose of this camp was to provide a venue for people with aphasia and their care partners to

1) engage in recreational and therapeutic activities in an environment where communication was supported; and
2) to connect with and share their experiences with others facing similar situations. A secondary purpose was to provide an experiential learning opportunity for students in the Faculty of Rehabilitation Medicine (FRM) at the University of Alberta. At the 2014 camp, student volunteers came from the Department of Communication Sciences and Disorders (CSD), while 2015 saw this expand to also include students from the Departments of Occupational Therapy (OT) and Physical Therapy (PT).

The leadership team included a core team of three Speech-Language Pathologists (Esther Kim and Andrea Ruelling, from the Department of CSD, Rhonda Kajner, from Alberta Health Services), who were supported by an Occupational Therapist (Karin Werther, from the Department of OT) and a Conductive Educator from March of Dimes Canada (Abigail Payne). Five returning SLP student volunteers from the 2014 camp acted as lead volunteers and served to help the core team organize and coordinate all activities and volunteers, both prior to and during camp. In addition to the core team and lead volunteers, 20 SLP, 3 OT and 3 PT students volunteered. Their primary role was to act as facilitators throughout the weekend, supporting communication for people with aphasia (PWA), and allowing them to safely participate in a variety of activities.

There were a total of 42 registered campers (an increase from 28 in 2014), with 37 campers attending for the duration of the weekend. Campers primarily came from all over Alberta. One camper came from as far away as Oregon, USA, having heard about the camp through our connections with Aphasia Camp Northwest (ACNW), an aphasia camp that has been running since 1999.



There were 16 campers who were returnees from the 2014 camp and 21 first time campers. Campers consisted of 23 people with aphasia (PWA) and 14 care partners (CPs). This year also saw the addition of some PWA attending with their young children.



Campers participated in a variety of activities including, guided hike, voyageur canoe, low ropes, high ropes (pendulum swing), indoor games, outdoor games, orienteering, scavenger hunt, photography, arts & crafts and yoga. Campers also had an opportunity to sit with each other and share their stories. These supportive and therapeutic sessions ended with campers selecting goals for themselves to work towards when away from camp.

The final activity of the weekend was the drum circle, in which all campers and volunteers participated. This was again an incredibly moving experience. The leader spoke of each person's "voice" and said that everyone has a valuable voice and the world would be different if someone did not use theirs. He related this back to the sounds that people were making using the drums and percussive instruments, but reminded everyone that even though their voice might be different now, and for some, they might not have a physical voice, they are still able to communicate and what they have to tell the world is important.

Feedback from Campers (CPs).

- *"Thank you for the wonderful experience. Getting to know everyone was great. Thanks for letting us know we are not alone!"*
- *"I feel it was very important to connect with other caregivers or persons with aphasia and very important for my husband to be socializing with other stroke survivors, and to see that with hard work, he will continue to improve"*

Feedback from student volunteers.

- *"I am truly thankful for the experience and the opportunity to learn from individuals with aphasia. It was very different, but helpful, for me to meet someone with aphasia instead of learning about it on paper. I feel that it is important that physical therapy students get this experience because most of us will eventually have to use these communication skills either on placement or in our careers."*
- *"There are no words to express the feelings I have, but I know I will truly remember it. The kind of connection one develops at camp with families is rarely seen in the classroom setting."*

Future Plans. Planning is underway for the 2016 Alberta Aphasia Camp, to be held September 16-18, 2016 at the YoWoChAs Outdoor Education Centre. We plan to keep the number of

campers the same, with a maximum of approximately 40 campers. We also plan to increase the number of OT and PT student volunteers to 10 while decreasing the number of SLP volunteers to 10. This will allow for more balanced interdisciplinary opportunities amongst students, as well as decrease the volunteer to camper ratio, allowing campers to more easily connect with each other.



AAC Camp Alberta

AAC Camp Alberta, August 2016

In August 2016, the Department of Communication Sciences and Disorders partnered with March of Dimes Canada to offer the first annual AAC Camp Alberta. Held at Easter Seals Camp Horizon in Bragg Creek, AB, the camp was inspired by parent champion Valerie Arbeau and modeled after AAC Camp Idaho and the Alberta Aphasia Camp. Participants included 18 campers who use augmentative and alternative communication (AAC), plus 32 parents/caregivers and 15 siblings! AAC campers ranged in age from 7 to 20, had a wide variety of diagnoses (e.g., cerebral palsy, autism, down syndrome, etc.) and used a wide variety of devices (iPads with Proloquo or TouchChat, Nova Chats, Accents, Tobii-Dynavox I-series, etc.).

Campers were paired one-on-one with SLP, OT, and PT graduate student counsellors from the Faculty of Rehabilitation Medicine and supervised in small groups by volunteer professionals in speech-language pathology, occupational therapy, assistive technology, and engineering. Following an Olympics theme, three SLP graduate students developed and led a variety of communication-based activities such as making a team flag, Olympic trivia, a scavenger hunt, and campfire sing alongs. Campers and siblings also had the opportunity to swim, try out archery, and go on a giant swing. Parents took part in training sessions led by SLPs Anne Kuhlmeier (director of AAC Camp Idaho) and Wendy Quach (visiting instructor from San Jose State University).



“Being a camp counsellor for AAC Camp Alberta was an invaluable experience..... I gained confidence in my ability to work with those who use AAC devices, and most importantly I learned to appreciate the significance of getting to know the person behind the device.” - SLP student counsellor

“There’s just something about first-hand, one-on-one, raw experience with an AAC user that you can’t get out of a class, or a video or a lecture.” - SLP student counsellor

“[My daughter] got to see other kids “like” her and her use of AAC was so embraced and encouraged. The environment was really set up well to use picture boards, AAC devices, and alternative means of communicating.” - Parent

“Great to learn and connect with other families.” - Parent



Admissions and Convocation

Summary of Admission Statistics for September 2015

Enrollment September 2015:

- 58 students admitted to the MScSLP (course-based) program
- 54 females, 4 males
- 27 Alberta residents, 31 out of province

Convocation 2015-2016
Professional Practice Entry-Level MScSLP (Course-Based & Thesis) Programs
November 2015 & June 2016
(n = 48)

Andrews, Michelle Mary
Ankutowicz, Jillian Rene
Antoniuk, Rachel Lauren
Bartlett, Jordan Highley
Bedard, Janice Kathleen
Brodie, Rachelle Amanda
Brompton, Laura Anne Marina
Carrick, Melanie Shannon
Carter, Victoria Ann
Chu, Patricia Kalai
Churchill, Emily Pauline
Clapp, Elysha Marie
Clarke, Jessica Rose
Cowden, Brenna Kaylene
Currie, Samantha Margaret
Dahlke, Kaetlyn June

DeSantis, Daniel
Dewaal, Breanna Elizabeth
Dimitrijevic Savic, Jovana
Dumbrell, Kate Elizabeth
Edwards, Jenna Marie
Gould, Stephanie Robin
Grant, Lucy Elizabeth
Hegstrom, Lindsay Marie
Hill, Kaitland Lauren
Hornby, Bryn Mary
Howell, Heather Lynne
Jeske, Alysia Charmaine
Johns, Alison Elizabeth
Khu, Vanessa Claire
Klassen, Natalie Anne
Lee, Alyssa Danae

Lise, Amanda Maria
Mallon, Andrea Lynn Marie
Martin, Kathryn Lee
Masters, Laura May
McLaughlin, Kelsey Marie
Muc, Nausha Marie
Robertson, Kirsten Marie
Robinson, Jon
Sadhra, Avneet
Shurb-Beach, Amber Rose
Stephenson, Kayla Rae
Therriault, Nicole Helen
Williston, Heidi Tess
Wilson, Kristy Jennifer
Young, Sarah Lynn
Zado, Melissa Kay