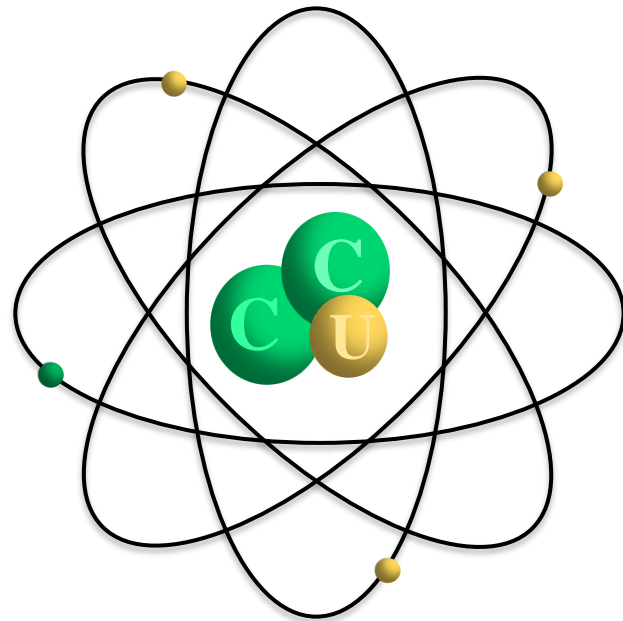




UNIVERSITY OF ALBERTA
FACULTY OF REHABILITATION MEDICINE
Department of Communication Sciences and Disorders

Department of Communication Sciences & Disorders
Annual Report
2016-2017



C²U
Communication Connects Us

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Message from the Chair

I am pleased to present this annual report of the activities and accomplishments of the Department of Communication Sciences and Disorders (CSD) in 2016-2017. I'd like to start by thanking Dr. Joanne Volden for serving as Acting Chair while I was on leave (July 2016 through March 2017). Much of what is reported here was completed under her leadership.

This year we welcomed new faculty member Daniel Aalto, who is an Assistant Professor in CSD and Research Scientist at iRSM. Dr. Aalto was already well known to us, having completed a postdoctoral fellowship here under the supervision of Dr. Jana Rieger. We are thrilled to have him staying on in a continuing tenure track faculty position. The coming year will see us filling an additional two new positions, a Research Chair in Stuttering and an Assistant Professor in Child Language. The latter position was obtained through a successful proposal to the provost's faculty renewal initiative.

We also welcomed two new part-time (.5 FTE each) lab coordinators and clinical educators in the area of child language, Allison Ehnes and Kristen Hedley. Both are graduates of the MScSLP program and bring back expertise they gained as practicing SLPs. They are providing support to courses in the child language sequence as well as clinical supervision in Corbett Clinic. We were very fortunate to have them this year as we moved our MScSLP curriculum to a full block schedule and continued to develop integration activities that synthesize material across courses, both within and across blocks.

I am very pleased to report that the combined MScSLP/PhD program is off to a great start with its first three students. We look forward to watching them progress through the program.

In addition to our two successful online undergraduate courses (*Introduction to CSD* and *Language Development in Children and Adolescents*), this year we piloted a new online refresher module in phonetics, designed to provide a guided review of core material from prerequisite coursework to incoming graduate students. Based on the success of the phonetics module, we plan to launch additional refresher modules in the coming year. Read more on page 47.

Research is alive and well in the CSD Department. Our faculty study a wide range of topics, from mathematical modeling of speech, chewing, and swallowing outcomes for patients with head and neck cancer to pragmatic language dysfunction in children diagnosed with Autism Spectrum Disorder. A listing of new and continuing research grants and this year's publications and presentations begins on page 13 of this report.

The Alberta Aphasia Camp continues to grow, and the newly launched AAC Camp Alberta is following its example. These camps align well with the institutional, faculty, and department strategic plans, offering interprofessional education, community engagement, and research opportunities. Read more about these programs on pages 51-56.

This report contains many other accomplishments by CSD staff, faculty, and students, including teaching awards, student scholarships, clinical programs, service contributions, and much more.



Karen E. Pollock, Ph.D., R.SLP, Professor and 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
(.75 Secondment to iRSM)

Joanne Volden, PhD
Professor

Associate Professors

Melanie Campbell, PhD
Associate Professor

Stuart Cleary, PhD
Associate Professor

Jacqueline Cummine, PhD
Associate Professor
(on sabbatical in 2016-17)

William (Bill) Hodgetts, PhD
Associate Professor
(.5 Secondment to iRSM)

Esther Kim, PhD
Associate Professor

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

Teresa Paslawski, PhD
Associate Professor and Graduate
Coordinator

Assistant Professors

Daniel Aalto, PhD
Assistant Professor
Research Scientist, iRSM

Monique Charest, PhD
Assistant Professor

Clinical Educators

Sandy Diediw

Clinical Assistant Professor

Debra Martin

Clinical Assistant Professor

Lab Coordinators/Clinical Educators

Andrea Ruelling

Clinical Assistant Professor

Speech Science/Adult Neurogenics

Lab Coordinator

Allison Ehnes

Clinical Assistant Professor

Child Language Lab Coordinator

Kristen Hedley

Clinical Assistant Professor

Child Language Lab Coordinator

Part-Time Clinical Educators (2017)

D Brown

Sandra Diediw

Allison Ehnes

Tegan Hryciw

Judith Lam Tang

Debra Martin

Karen A. Pollock

Allison Black Sterling

Angèle Fournier

Kristen Hedley

Professor Emeriti

A Cook, PhD

S Greiter, PhD

P Hagler, PhD

M Hodge, PhD

G Holdgrafer, PhD

AH Rochet, PhD

P Schneider, PhD

Sessional Instructors (2016-17)

Teresa Hardy/Gabriella Constantinescu
CSD 598 Directed Individual Reading
and Research
Eric Jackson
CSD 528 Fluency
Wendy Quach
CSD 523 Augmentative/Alternative
Communication Systems
Andrea Ruelling
Lab Coordinator
Christina Semonick
CSD 200 Introduction to Communication
Sciences & Disorders
Melissa Skoczylas
CSD 501 Research Methods
CSD 518 Child Language II
CSD 527 Language and Literacy
Salima Suleman
CSD 529 Adult Language Disorders II

Postdoctoral Fellows

Lindsey Westover
Salima Suleman

Adjunct Associate Professors

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

Adjunct Assistant Professor

S Rafaat, MSc

Administrative Staff

Carol Gray

Clinical Education Assistant

Noriko Hessmann

Receptionist/Office Assistant

Shelley Richmond

Resource Assistant

Vicki Trombley

Administrative Coordinator

Faculty Awards



Carol Boliek

Faculty Teaching Award, Faculty of Rehabilitation Medicine Teaching Awards



Julie Giesen

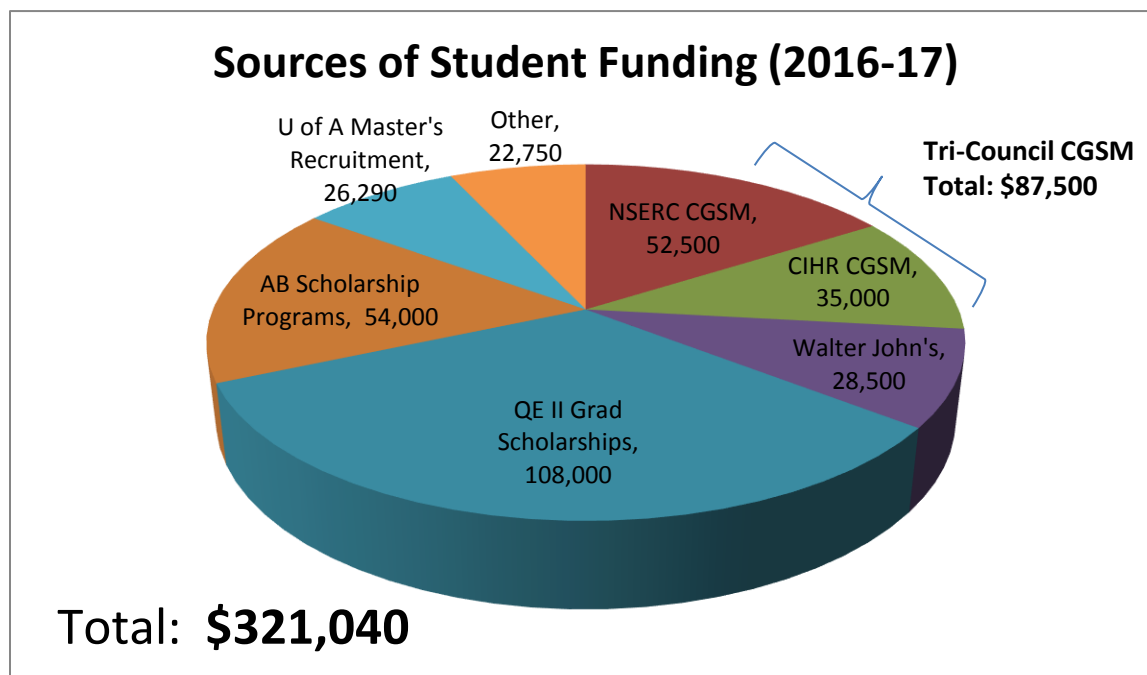
Clinical Educator Award, Faculty of Rehabilitation Medicine Teaching Awards



Jana Rieger

RMSA Teaching Award, Faculty of Rehabilitation Medicine Teaching Awards

MScSLP Student Awards and Scholarships



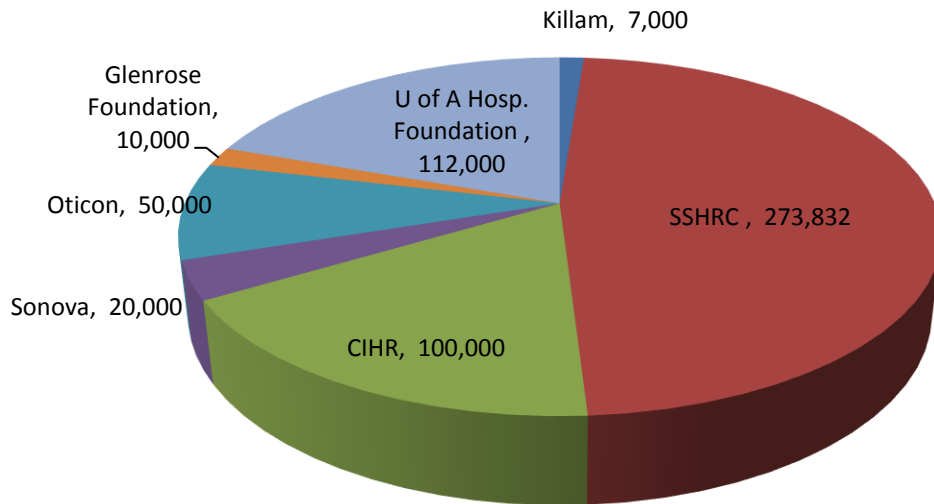
Award/Scholarship Name	Student Name	Value
2016 UofA Master's Recruitment Scholarship	Anderson, Christopher	\$26,290
Queen Elizabeth II Graduate Scholarship - Master's	Ames, Allison	\$10,800
Queen Elizabeth II Graduate Scholarship - Master's	Collett, Janelle	\$10,800
Queen Elizabeth II Graduate Scholarship - Master's	Davie, Jeremy	\$10,800
Queen Elizabeth II Graduate Scholarship - Master's	Frith, Jill	\$10,800
Queen Elizabeth II Graduate Scholarship - Master's	Iannuccilli, Karla	\$10,800
Queen Elizabeth II Graduate Scholarship - Master's	Lau, Andrea	\$10,800
Queen Elizabeth II Graduate Scholarship - Master's	Preus, Ashley	\$10,800
Queen Elizabeth II Graduate Scholarship - Master's	Ripmeester, Anita	\$10,800
Queen Elizabeth II Graduate Scholarship - Master's	Reimer, Joni	\$5,400
Queen Elizabeth II Graduate Scholarship - Master's	Smith, Charlotte	\$10,800
Queen Elizabeth II Graduate Scholarship - Master's	Zielinski, Tamra	\$5,400
Queen Elizabeth Scholar (matching funds from FRM)	Smith, Charlotte	\$6,000
CIHR Health Professional Student Research Award	Jalkanen-Sargent, Maija	\$17,500
CIHR Health Professional Student Research Award	Langlois, Colette	\$17,500
Alexander Graham Bell Canada Graduate Scholarship (NSERC)	Bremmekamp, Darian	\$17,500
Alexander Graham Bell Canada Graduate Scholarship (NSERC)	Grandmont, Dana	\$17,500

Award/Scholarship Name	Student Name	Value
Alexander Graham Bell Canada Graduate Scholarship (NSERC)	McKibben, Tessa	\$17,500
Student Aid Alberta for Graduate Student Scholarship	Ames, Allison	\$3,000
Student Aid Alberta for Graduate Student Scholarship	Bremmekamp, Darian	\$3,000
Student Aid Alberta for Graduate Student Scholarship	Chan, Charlene	\$3,000
Student Aid Alberta for Graduate Student Scholarship	Collett, Janelle	\$3,000
Student Aid Alberta for Graduate Student Scholarship	Davie, Jeremy	\$3,000
Student Aid Alberta for Graduate Student Scholarship	Eichelt, Karissa	\$3,000
Student Aid Alberta for Graduate Student Scholarship	Frith, Jill	\$3,000
Student Aid Alberta for Graduate Student Scholarship	Grandmont, Dana	\$3,000
Student Aid Alberta for Graduate Student Scholarship	Grant, Kelsey	\$3,000
Student Aid Alberta for Graduate Student Scholarship	Inkster, Michelle	\$3,000
Student Aid Alberta for Graduate Student Scholarship	Jalkanen-Sargent, Maija	\$3,000
Student Aid Alberta for Graduate Student Scholarship	Lam, Joelle	\$3,000
Student Aid Alberta for Graduate Student Scholarship	Preus, Ashley	\$3,000
Student Aid Alberta for Graduate Student Scholarship	Reimer, Joni	\$3,000
Student Aid Alberta for Graduate Student Scholarship	Ripmeester, Anita	\$3,000
Student Aid Alberta for Graduate Student Scholarship	Yanke, Jill	\$3,000
Student Aid Alberta for Graduate Student Scholarship	Yourechuk, Melanie	\$3,000
Student Aid Alberta for Graduate Student Scholarship	Zielinski, Tamra	\$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
E William Kuder Memorial Graduate Scholarship in RM	Bremmekamp, Darian	\$1,600
E William Kuder Memorial Graduate Scholarship in RM	Jalkanen-Sargent, Maija	\$1,600
Edmonton (Host) Lions Club of Edmonton	Clapp, Elysha	\$1,100
Evelyn and Gene Norville Memorial Graduate Scholarship	Chan, Charlene	\$1,750
FRM Jim and Fran Vargo Goodwill Award	Zado, Melissa	\$750
FRM Student Clinical Award	Williston, Heidi	\$750
Graduate Student Travel Award	Garcia, Renzo	\$2,000
Oil Service Charitable Organization Graduate Scholarship	Sterling, Aiden	\$2,200
SAC Student Excellence Award	McLaughlin, Kelsey	N/A
TD Bank Financial Group Health Sciences Student Award	Freitag, Ian	\$2,300
Walter H. Johns Graduate Fellowship	Bremmekamp, Darian	\$5,700
Walter H. Johns Graduate Fellowship	Grandmont, Dana	\$5,700

Award/Scholarship Name	Student Name	Value
Walter H. Johns Graduate Fellowship	Jalkanen-Sargent, Maija	\$5,700
Walter H. Johns Graduate Fellowship	Langlois, Colette	\$5,700
Walter H. Johns Graduate Fellowship	McKibben, Tessa	\$5,700
	Total	\$327,040

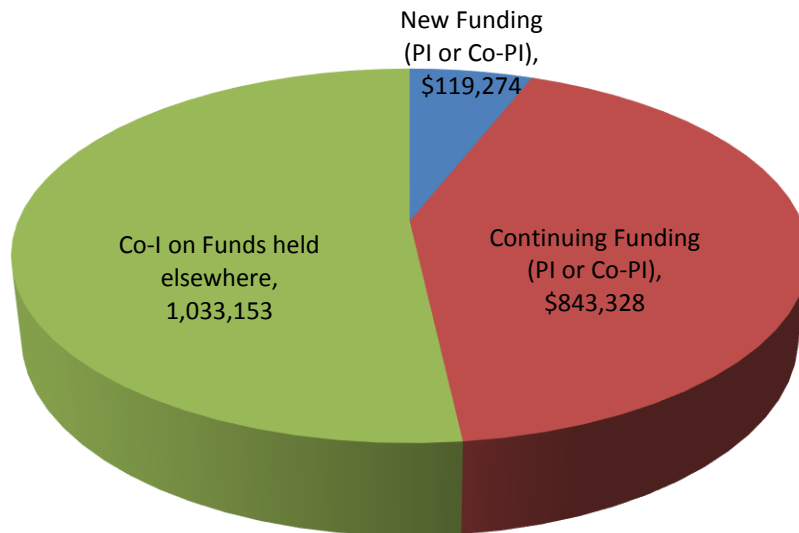
Research Funding

Sources of New Grant Funding (2016-17)



Total New Funding (as PI or Co-PI): \$572,832

Total Funding (amount applicable in 2016-17)



Total Funding applicable in 2016-17 (as PI or Co-PI): \$962,602

New Research Funding 2016-2017

Author	Dr. Monique Charest (PI) & S. Wiebe
Title of Grant	Cumulative semantic interference and lexical learning in children
Funding Agency	SSHRC
Total Amount of Award	\$58,067
Dates of Funding	June 1, 2016 – May 31, 2019

Author	Dr. William (Bill) Hodgetts
Title of Grant	Influence of messaging on uptake and adherence to hearing services
Funding Agency	Sonova Foundation
Total Amount of Award	\$20,000
Dates of Funding	April 1, 2017 – June 1, 2019

Author	Dr. William (Bill) Hodgetts
Title of Grant	Bone Conduction Research (Donation)
Funding Agency	Oticon Foundation
Total Amount of Award	\$50,000
Dates of Funding	July

Author	Dr. Esther Kim (PI) & Noel, FG
Title of Grant	Supporting daily reading activities in older adults with and without reading disabilities
Funding Agency	Killam Research Fund
Total Amount of Award	\$7,000
Dates of Funding	June 1, 2017 – May 31, 2108

Author	Drs. Esther Kim & Tammy Hopper (co-PIs)
Title of Grant	Communication and Aging Initiative
Funding Agency	University of Alberta Hospital Foundation
Total Amount of Award	\$112,000 (\$50,000 available this year)
Dates of Funding	August 1, 2016 – July 30, 2018

Author	T. Manns (PI), Dr. Teresa Paslawski (co-I) & M. Forhan
Title of Grant	ExperienceREHAB – Course development & Beyond
Funding Agency	Government of Alberta
Total Amount of Award	\$10,000 (\$4,971 available this year)
Dates of Funding	March 30, 2017 – March 31, 2018

Author	Dr. Teresa Paslawski (PI) , H. Bilinski & T. Risling
Title of Grant	An innovative approach for examining the dark side of interprofessional collaboration
Funding Agency	SSHRC
Total Amount of Award	\$64,272 (\$19,274 available this year)
Dates of Funding	July 1, 2016 – May 31, 2018

Author	L. Fangfang (PI), Dr. Karen Pollock (co-PI) , Y. Rose & A. MacLeod
Title of Grant	Speech production in children enrolled in second language education programs
Funding Agency	SSHRC
Total Amount of Award	\$151,493 (approx 40% to UA))
Dates of Funding	March 15, 2017 – March 31, 2021

Author	Ferguson-Pell, Welch, Gibson, Dr. Jana Rieger (Co-applicant) , Boulanger, Dhillon, Muir, Hamaluik
Title of Grant	Immersive learning objects in 4D: Applications in biomedical and health professional training
Funding Agency	University of Alberta – Teaching and Learning Enhancement Fund (TLEF)
Total Amount of Award	\$136,000 (all funds held at UofA)
Dates of Funding	May 1, 2016 – April 1, 2018

Author	S. Fels (PI), I. Stavness (co-PI), Dr. Jana Rieger (co-PI) and Dr. Daniel Aalto (one of 7 co-applicants)
Title of Grant	Patient-Specific digital planning of head and neck surgery using model-based prediction of swallowing
Funding Agency	CIHR
Total Amount of Award	\$100,000
Dates of Funding	July 1, 2017 – June 30, 2018

Author	Dr. Joanne Volden (PI) , L. Zwaigenbaum & M. Skoczylas
Title of Grant	Gender differences in social communication in Autism Spectrum Disorder
Funding Agency	Glenrose Foundation
Total Amount of Award	\$10,000
Dates of Funding	April 1, 2017 – April 30, 2018

Continuing Research Funding

Author	S. Nayar, M. Osswald, Dr. Daniel Aalto (co-Investigator) , D. Scott
Title of Grant	Functional prototype for non-contact optical impression technique to register osseointegrated implants – an in vitro study
Funding Agency	Covenant Health Research Centre
Total Amount of Award	\$5,000
Dates of Funding	July 1, 2015 – July 1, 2017

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	NSERC
Total Amount of Award	\$174,000 (\$29,000 available this year)
Dates of Funding	April 2, 2012 – March 31, 2018

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 (\$30,035 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	\$410,000 (\$130,000 available this year)
Dates of Funding	May, 2014 – July 1, 2018

Author	M. Walshe (PI), S. Dooley (co-I) & Dr. Tammy Hopper (collaborator)
Title of Grant	Validation of the profiling communication activities in dementia
Funding Agency	Health Research Board of Ireland
Total Amount of Award	€264,835 (50% available this year, not to UofA)
Dates of Funding	December 1, 2015 – November 30, 2017

Author	Dr. Esther Kim, J. Cummine, & A. Leung
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 (\$1,800 available this year)
Dates of Funding	April 1, 2014 – March 30, 2019

Author	Dr. Teresa Paslawski (PI), G. Bostick, Lu-Anne McFarlane (co-PI), M. Hall, C. Zarski, M. Roduta Roberts, J. Hall, M. Gierl
Title of Grant	Building capacity for best practices in assessment
Funding Agency	University of Alberta Teaching and Learning Enhancement Fund (TLEF)
Total Amount of Award	\$35,332 (\$19,016 available this year)
Dates of Funding	April 1, 2016 – March 31, 2018

Author	Lu-Anne McFarlane (PI), Dr. Teresa Paslawski, M. Hall, G. Bostick, C. Zarski, H. Kanuka, C. Schmitz, S. Esmail, B. Martin
Title of Grant	Professional skills acquisition in health sciences programs: Development of curricula, learning resources and assessment methods
Funding Agency	University of Alberta Teaching and Learning Enhancement Fund (TLEF)
Total Amount of Award	\$21,113 (\$11,423 available this year)
Dates of Funding	April 1, 2015 – May 1, 2017

Author	K. Forst, H. Golberg, L. Sugiura, M. Orr, E. Dubbelboer & Dr. Karen Pollock (mentor)
Title of Grant	How much intervention is enough?
Funding Agency	Alberta Health Services (AHS)
Total Amount of Award	\$5,000 (funds held at AHS)
Dates of Funding	April 4, 2016 – October 30, 2017

Author	L. Fangfang (PI), Dr. Karen Pollock (co-applicant), I. Genee, C. Gonzalez & R. Gibb
Title of Grant	Child language acquisition research in Alberta: weaving an integrative and inclusive network
Funding Agency	SSHRC
Total Award Amount	\$28,153 (funds held at the University of Lethbridge)
Dates of Funding	July 1, 2016 – June 30, 2017

Author	Seikaly (PI), Mitchell, Barber, Dr. Jana Rieger, Constantinescu
Title of Grant	Northern Alberta Psychosocial Telecare (NAPT) screening for surgical head and neck cancer patients
Funding Agency	Surgery Strategic Clinical Network
Total Amount of Award	\$10,000 (5% available to our program)
Dates of Funding	September 1, 2016 – August 31, 2017

Author	Yoon (PI), Dr. Jana Rieger , Brett-MacLean, Caufield
Title of Grant	See me, Hear me, Feel me...exploring patients' experiences of head and neck cancer
Funding Agency	Alberta Innovates
Total Amount of Award	\$10,000 (5% available to our program)
Dates of Funding	October 1, 2015 – September 30, 2016

Author	Brett-MacLean (PI), Yoon, Caufield, Dr. Jana Rieger , Valliantos, Nayar, McTavish, Necyk
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 (5% available to our program)
Dates of Funding	October 1, 2015 – September 30, 2016

Author	Dr. Jana Rieger (PI) , Redmond, Mummery, Seikaly, Dr. William (Bill) Hodgetts , Chan, Lou, Fels, Dumont, Rogers, Matthews, Chung, Mousavi
Title of Grant	Portable Swallowing Therapy Unit: using innovative technology to provide accessible care for head and neck
Funding Agency	Alberta Cancer Foundation
Total Amount of Award	\$1,923,363 (\$520,764 available this year)
Dates of Funding	April 1, 2014 – March 30, 2019

Author	Chung (PI), Dr. Jana Rieger (co-PI)
Title of Grant	Skin adhesive smart patch to monitor hydration status in real-time
Funding Agency	CIHR/NSERC
Total Amount of Award	\$597,102 (\$200,000 (50%) available this year)
Dates of Funding	May 1, 2015 – April 30, 2018

Author	Dr. P. Szatmari (PI), T. Bennett, E. Duku, M. Elsabbagh, S. Georgiades, P. Mirenda, S. Schere, I. Smith, W. Unger, T. Vaillancourt, Dr. Joanne Volden (co-I) , C. Waddell, L. Zwaigenbaum
Title of Grant	Pathways to better developmental health in Autism Spectrum Disorder: Phase III
Funding Agency	CIHR – Foundation Scheme, Live Pilot Grant
Total Amount of Award	\$5,332,278
Dates of Funding	August 1, 2016 – April 30, 2021

Publications

Book

Encarnaçao, P., **Cook, A.M.** (Eds.)(2017). *Robotic Assistive Technologies*, Boca Raton, CRC Press.

Book Chapters

Alvarez, L. & **Cook, A.M.** (2017). Ethical and social implications for the use of robots in rehabilitation. In Encarnaçao, P., **Cook, A.M.** (Eds.), *Robotic Assistive Technologies*, Boca Raton, CRC Press, pp.333-358.

Hickey, E. M., **Cleary, S.**, Coulter, P., & Bourgeois, M. (2017).Eating and swallowing: Description, assessment, and intervention. . In Hickey, E. M. & Bourgeois, M. (Eds.). *Dementia: Person-centered assessment and intervention*. London,Routledge/Taylor & Francis. *Chapter 8* (pp. 35)

Hodgetts, W. (in press). A Sound Foundation Through Early Amplification. In Tharpe, A. M. & Bagatto, M. (Eds.). *Prescription and Verification Considerations for Bone Conduction Device Users*.

Volden, J. (2017). Research in Clinical Pragmatics. In Cummings, L. (Ed.). Chapter 3, *Autism spectrum disorder*. Springer, (pp. 59-84).

Peer Reviewed Journal Articles

(asterisks indicate students)

Suni, A., Simko, J., **Aalto, D.**, Vainio, M. (2017). Hierarchical representation and estimation of prosody using continuous wavelet transform. *Computer Speech and Language*, *45*, 123-136, doi: 10.1016/j.csl.2016.11.001.

Dawson, C.*, **Aalto, D.**, Simko, J., Putkinen, V., Tervaniemi, M., Vainio, M. (2016). Quantity language speakers show enhanced subcortical processing. *Biological Psychology*, *118*, 169-175, doi: 10.1016/j.biopsycho.2016.06.003.

Dawson, C.*, **Aalto, D.**, Tervaniemi, M., Simko, J., Vainio, M. (2017). Musical sophistication and the effect of complexity on auditory discrimination in Finnish speakers. *Frontiers in Neuroscience*, *11*, 213, 1-11, doi: 10.3389/fnins.2017.00213.

Charest, M. Cumulative semantic interference in young children's picture naming. *Applied Psycholinguistics, First View Articles*, 1-19, doi: 10.1017/S0142716416000461.

Reyes, A., Brown, C., Jones, A., Liu, L., **Cleary, S.**, **Hopper, T.**, Bremault-Philips, S., **Paslawski, T.** (2016). Falls prevention and risk management resources for First Nations, Métis and Inuit older adults. *Canadian Nursing Home, Dec2016*, *27(4)*, 16-20, doi: ISSN:0847-5520.

Adams, K., **Cook, A.M.** (2016). Performing mathematics activities with non-standard units or measurement using robots controlled via speech generating devices: Three case studies. *Disability and Rehabilitation: Assistive Technology*, March 15, 1-13.

Adams, K., **Cook, A.M.** (2016). Using robots in 'hands-on' academic activities: A case study examining speech-generating device use and required skills. *Disability and Rehabilitation: Assistive Technology* no. 11, 433-443.

Encarnaçao, P., Leite, T., Nunes, C., Nunes de Ponte, M., Adams, K., **Cook, A.M.**, Casiado, A., et al. (2016). Using assistive robots to promote inclusive education. *Disability and Rehabilitation: Assistive Technology*, April 26, 1-21.

Ríos-Rincón, A.M., Adams, K., Magill-Evans, J., **Cook, A.M.** (2016). Playfulness in children with severe cerebral palsy when using a robot. *Physical and Occupational Therapy in Pediatrics*, 36(3), <http://www.tandfonline.com/doi/abs/10.3109/01942638.2015.1076559>.

Adams, K., Ríos-Rincón, A.M., Becerra, L., Castanellos, J., Gomez, M., **Cook, A.M.**, Encarnaçao, P. (2017). An exploratory study of children's pretend play when using a switch-controlled assistive robot to manipulate toys. *British Journal of Occupation Therapy*, 80(4), 216-224.

Bakhtiari, R.* , **Cummine, J.**, Reed, A.* , Fox, C.* , Chouinard, B., Cribben, I., **Boliek, C.** (2017). Changes in brain activity following Intensive Voice Treatment in children with Cerebral Palsy. *Human Brain Mapping* , 1-17, doi: 10.1002/hbm.23669.

Cummine, J., Hanif, W.* , Dymouriak-Tymashov, I.* , Anchuri, K.* , Chiu, S.* , **Boliek, C.** (2016). The role of the supplementary motor region in overt speech production: Evidence for differential processing in SMA-proper and pre-SMA as a function of task demands. *Brain Topography*, 1-13, doi: 10.1007/s10548-017-055303.

Fiecas, M., Cribben, I., Bahktiari, R.* , **Cummine, J.** (2017). Temporal autocorrelation and between-subject heterogeneity in resting-state functional connectivity. *Neuroimage*, 149, 256-266, doi: 10.1016/j.neuroimage.2017.01.051.

Reed, A.* , **Cummine, J.**, Bakhtiari, R.* , Fox, C.* , **Boliek, C.** (in press). Changes in white matter integrity following intensive voice treatment (LSVT Loud©) in children with cerebral palsy and motor speech disorders. *Developmental Neuroscience*.

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Constantinescu, G.* , **Hodgetts, W.**, Scott, D., Kuffel, K., King, B., Brodt, C., **Rieger, J.** (2017). Electromyography and mechanomyography signals during swallowing in healthy adults and head and neck cancer survivors. *Dysphagia*, 32, 90-103, doi: 10.1007/s00455-016-9742-6.

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Bodie, A., **Hopper, T.**, Pacheco-Pareira, C., Compton, S., Clarke, A. (2017). The effects of cheese on caries lesions risk factors: A systemic review. *International Journal of Evidence Based Practice for the Dental Hygienist*, 3, 161-173.

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King, S., Hall, M., **McFarlane, L.**, **Paslawski, T.**, Sommerfeldt, S., Hatch, T., Schmitz, C. Bates, H., Taylor, E., Norton, B. (2017). Launching first-year health sciences students into collaborative practice: Highlighting institutional enablers and barriers to success. *Journal of Interprofessional Care*, 386-393.

Constantinescu, G.*, **Rieger, J.**, Winget, M., Paulsen, C., Seikaly, H. (2017). Patient perception of speech outcomes: The relationship between clinical measures and self-perception of speech function following surgical treatment for oral cancer. *American Journal of Speech Language Pathology*, 26, 2, 241-247, doi: 0.1044/2016_AJSLP-15-0170.

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Chuka, R., Abdullah, W., **Rieger, J.**, Nayar, S., Seikaly, H., Osswald, M., Wolfaardt, J. (2017). Implant utilization and time to prosthetic rehabilitation in conventional and advanced fibular free flap reconstruction of the maxilla and mandible. *International Journal of Prosthodontics*, 30, 289-294, doi: 10.11607/ijp.5161.

Bishop, D.V.M., Snowling, M.J., ..., **Volden, J.**, et al. (2016). CATALISE: A multinational and multidisciplinary Delphi consensus study. Identifying language impairments in children. *PLoS ONE*, 11, doi: 10.1371/journal.pone.0158753.

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Volden, J., Dodd, E.*, Engel, K.*, Smith, I., Szatmari, P., Bryson, S., Fombonne, E., Miranda, P., Waddell, C., Zwaigenbaum, L., Georgiades, S., Bennett, T., Duku, E., Elsabbagh, M. (in press). Beyond sentences: Using the expression, reception and recall of narratives instrument (ERRNI)

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Other Publications

Hodgetts, W., Bagatto, M. (2017). Hear What You May Be Missing. *National Post and online*, <http://www.personalhealthnews.ca/prevention-and-treatment/hear-what-you-may-be-missing>.

Presentations

Conference Presentations

(asterisks indicate student/trainee)

Invited

Author(s)	Title of Paper	Conference
Wang, J., Ho, A., Papadopoulos-Nydam, G., Inamoto, Y., Saitoh, E., Fels, S., Rieger, J. , Guo, C., Aalto, D.	Biomechanics simulation of disordered swallowing in a virtual base of tongue cancer patient	4 th International workshop on biomechanical and parametric modelling of human anatomy. Vancouver, BC. August 26-27, 2016.
Armstrong, K., Kincade, C., Karimi-Boushehri, F., Stavness, I., Osswald, M., Nayar, S., Aalto, D.	The road to a virtual articulator and a digitally designed dental prostheses	4 th International workshop on biomechanical and parametric modelling of human anatomy. Vancouver, BC. August 26-27, 2016.
Boliek, C.	Changes in brain connectivity following Intensive Voice Treatment in children with motor speech disorders secondary to Cerebral Palsy	Alberta Children’s Hospital Research Institute – University of Calgary. Calgary, AB. April 10, 2017.
Cook, A.M.	Kids, robots and play – pulling the pieces together	LUDI Conference. Vilnius, Malta. October 2016.
Westbury, C., Cribben, I., Cummine, J.	Imag(in)ing Imageability: Context, affect, and the neural correlates of the abstract/concrete distinction	Cognitive Neuroscience Seminar, University of Alberta. Edmonton, AB. October 6, 2016.
Cummine, J.	From print to speech: A framework for evaluating basic reading process	Department of Psychology Colloquium series, University of Saskatchewan. Saskatchewan, SK. November 15, 2016.
Hodge, M.	Making sense of what we know about children with “motor” speech disorders.	Faculté de médecine Congrès international en orthophonie et an audiologie (Keynote). University of Montreal Montréal, QC. November 15, 2016.

Author(s)	Title of Paper	Conference
Hodge, M.	Evidence-informed practice for young children with severe speech delay and suspected speech motor learning challenges	Queen Alexandra Centre for Children's Health. Victoria, BC. September 30 – October 1, 2016.
Hodge, M.	Evidence-informed practice for preschool children with severe speech delay and suspected speech motor learning challenges	Northern Health. Prince George, BC. May 10-11, 2017.
Hodgetts, W.	Prescription and verification for bone conduction users	Leeds and London (Keynote). October 19, 2016.
Hodgetts, W.	Prescription, verification and the measurement of outcomes in bone conduction amplification	Implantable Auditory Devices Conference (Keynote). Durham, UK. November 17, 2016.
Hodgetts, W.	Prescription, verification and outcome measure in bone conduction devices	Scientific Meeting. Copenhagen, Denmark. February 7, 2017.
Hodgetts, W.	AuroNet – Aural Rehabilitation Outcomes Network	Scientific Meeting. Copenhagen, Denmark. February 7, 2017.
Hodgetts, W.	Dynamic range in bone conduction hearing	Osseo 2017: 6 th International Congress on Bone Conduction Hearing and Related Technologies. Nijmegen, Netherlands. May 17-20, 2017.
Hopper, T.	Maximizing functional outcomes for patients with dementia	American Speech-Language Hearing Association (ASHA). Rockville, MD December 2016.
Dupuis, K., Hopper, T. , Mamo, S., & Small, J.	Cognitive-communication interventions for adults with dementia and their caregivers	33 rd World Congress on Audiology. Vancouver, BC. September 18-21, 2017.
Hopper, T.	Cognitive communication interventions for individuals with dementia	Council on Speech-Language Pathologists and Audiologists of Manitoba (CASLPM) Annual Educational Conference 2017 Winnipeg, MB April 20-21, 2017.
Hopper, T.	Cognitive communication interventions for individuals with dementia	Speech-Language & Audiology Canada (SAC). Vancouver, BC. May 2017.

Author(s)	Title of Paper	Conference
Kim, E.	Using neuroscience to maximize language recovery after stroke	Spotlight on Stroke – Brain Awareness Week Public Lecture. Edmonton, AB. March 14, 2017.
McFarlane, L., Bostick, G., Esmail, S. & Suleman, S.	Ready? Set. Go! Work readiness in rehabilitation medicine students	Innovative Teaching, Faculty of Rehabilitation Medicine. Edmonton, AB. March 3, 2017.
Pollock, K.E.	Starting over & catching up: Second first language acquisition in children adopted internationally	Child Language Acquisition Research in Alberta (CLARA) Conference. Lethbridge, AB. November 25, 2016.
Rieger, J.	Why functional evaluation is important in survival	CIMEQ Maxillofacial Prosthetic Meeting. Havana, Cuba. November 7, 2016.
Rieger, J.	Functional evaluation based in systems with and without technology	CIMEQ Maxillofacial Prosthetic Meeting. Havana, Cuba. November 7, 2016.
Rieger, J.	Functional results of different approaches in management of head and neck cancer	CIMEQ Maxillofacial Prosthetic Meeting. Havana, Cuba. November 7, 2016.
Rieger, J.	When clinical research goes astray	Alberta Health Services Practice Wise Seminars. March 2, 2017.
Rieger, J.	Functional outcomes with digitally planned occlusion-driven advanced jaw reconstruction	Advanced Digital Technologies in Head and Neck Reconstruction Conference. Amiens, France. June 1, 2017

Refereed

Author	Title of Paper	Conference
Constantinescu, G. *, Kuffel, K., Aalto, D. , Seikaly, H. & Rieger, J.	Evaluating the performance of an automated swallowing-detection algorithm for swallowing rehabilitation using visual biofeedback	AHNS 9 th International Conference on Head and Neck Cancer. Seattle, WA. July 16, 2016.
Dawson, C. Aalto, D. , Simko, J., Tervaniemi, M. & Vainio, M.	Interactions between musicality and native language for enhanced sound feature processing	SAN 2016 Meeting. Corfu, Greece. October 6-9, 2016.

Author	Title of Paper	Conference
Aalto, D. , Osswald, M., Nayar, S., Scott, D. & Hauck, M.	Conceptual design of the beta prototype of an optical implant registration system	12 th Annual Covenant Health Research Day. Grey Nuns Community Hospital. Edmonton, AB. February 7, 2017
Dzioba, A., Papdopoulos-Nydam, G., Aalto, D. , Seikaly, H., Lazarus, C., Urken, M., Likhterov, I., Rasucher, E., Happonen, R.P., Kinnunen, I., Irjala, H. & Soukka, T.	Swallowing quality of life outcomes following partial glossectomy: a multi-institutional study of the head and neck research network	Dysphagia Research Society 2017 Annual Meeting. Portland, OR. March 2-4, 2017.
Hodgetts, W. , Ostevik, A., Aalto, D. & Cummine, J.	This test is really hard: altering hearing performance in noise with just a few words	Osseo 2017: 6 th International Congress on Bone Conduction Hearing and Related Technologies. Nijmegen, Netherlands. May 17-20, 2017.
Joury, J.*, Aalto, D. , Carey, J.P. & Wilkes, G.	Identifying a pathway to surgical design and simulation in soft tissue for autologous breast reconstruction	iRSM Research Forum 2017. Edmonton, AB. May 24, 2017.
Scott, D., Aalto, D. , Nayar, S. & Osswald, M.	The optical impression toolkit – a digital solution to an analog problem	iRSM Research Forum 2017. Edmonton, AB. May 24, 2017.
Constantinescu, G.*, Kuffel, K., Hodgetts, W. , Aalto, D. & Rieger, J.	Evaluation of a swallow-detection algorithm in healthy participants in head and neck cancer survivors	6 th Triennial Congress of Advanced Digital Technology in Head and Neck Reconstruction. Amiens, France. May 31-June 3, 2017.
Kincade, C., Karimi-Boushehri, F., Armstrong, K., Stavness, I., Osswald, M., Nayar, S. & Aalto, D.	Virtual simulation of occlusal contacts on edentulous tooth arrangements	6 th Triennial Congress of Advanced Digital Technology in Head and Neck Reconstruction. Amiens, France. May 31-June 3, 2017.
Dawson, C., Aalto, D. , Simko, J., Tervaniemi, M., & Vainio, M.	Early auditory processing in Mandarin Chinese speaking musicians and non-musicians	The Neurosciences and Music – VI, Music, Sound and Health Conference. Boston, MA June 15-18, 2017.
Fox, C.M., Guse, L., & Boliek, C.	Neuroplasticity and rehabilitation: Examples in Parkinson disease and pediatrics using LSVT LOUD [®] and LSVT BIG [®] treatment protocols	2016 American Congress of Rehabilitation Medicine. Chicago, IL. October 31, 2016.

Author	Title of Paper	Conference
Fox, C.M. & Boliek, C.	Technology-enhanced maintenance practice following intensive voice therapy (LSVT LOUD®) in children with cerebral palsy and dysarthria	2016 American Congress of Rehabilitation Medicine. Chicago, IL. October 31, 2016.
Reed, A.*, Cummine, J. , Jhala, S. & Boliek, C.	The effects of transcranial direct current stimulation (tDCS) on a discrete naming task in healthy adults	NYC Neuromodulation Conference. New York City, NY. January 13, 2017.
Hardy, T., Rieger, J. & Boliek, C.	Communication-based predictors of gender and femininity: Studies to inform communication feminization training programs	United States Professional Association for Transgender Health (USPATH) Inaugural Symposium. Los Angeles, CA. February 4, 2017.
Flemming, C.*, Paslawski, T. , Boliek, C. , Joanisse, M. & Cummine, J.	The effects of transcranial direct current stimulation over the angular gyrus on overt reading of words varying in imageability in healthy adults	36 th Banff Annual Seminar in Cognitive Science. Banff, AB. May 5, 2017.
Reed, A.*, Cummine, J. & Boliek, C.	The effects of transcranial direct current stimulation on intermuscular coherence during an overt reading task in skilled readers	36 th Banff Annual Seminar in Cognitive Science (BASICS). Banff, AB. May 5, 2017.
Duchow, H., Lindsay, A., Roth, K., Schell, S., Allen, D & Boliek, C.	The prevalence of possible developmental coordination disorder in suspected childhood apraxia of speech	12 th Developmental Coordination Disorder Conference. Perth, Australia. July 5, 2017.
Campbell, M. , Janzen, W., Beukens, T., Carrick, M., Hill, K. & Klassen, N.	An evaluation of the Bridges Support Services Your Third Ear aural rehabilitation program	Biennial Institute Conference of the Academy of Rehabilitative Audiology. Vancouver, BC. September 21, 2016.
Campbell, M. , Lewchuk, L., Roy, N. & Ziegler, L.	Modeling and mentoring interdisciplinary competency learning: The Audiology Clinic of Northern Alberta and the University of Alberta Department of Communication Sciences and Disorders	Alberta College of Speech Language Pathologists and Audiologists Annual Conference. Calgary, AB. October 20, 2016.
Garcia, J.R.* & Charest, M.	Sentence planning processes in children with SLI: Insights from Eye Gaze Analyse	American Speech, Language, and Hearing Association Annual Convention. Philadelphia, PA. November 17-19, 2016.
Cleary, S. , Bohaichuk, S., Kalra, S. & Johnston, W.	The effects of volitional breathing technique on swallowing and respiratory coordination in individuals with ALS	12 th Annual Covenant Health Research Day. Grey Nuns Community Hospital. Edmonton, AB. February 7, 2017.

Author	Title of Paper	Conference
Cheema, K. & Cummine, J.	Functional investigation of RAN subtasks in Mandarin	Campus Alberta Neuroscience Symposium. Edmonton, AB. October 21, 2016.
Westbury, C., Cribben, I. & Cummine, J.	Imag(in)ing Imageability: Context, affect and the neural correlates of the abstract/concrete distinction	10 th International Conference on the Mental Lexicon. University of Ottawa. Ottawa, ON. October 19-21, 2016.
Cheema, K. & Cummine, J.	The relationship between white matter and reading acquisition, refinement and maintenance	Neuroscience and Mental Health Institute Research Day 2017. University of Alberta. Edmonton, AB. March 10, 2017.
Lantz, N., Cullum, A.* & Cummine, J.	The effects of stimulant medication on cortical thickness and reading scores in children with ADHD	36 th Banff Annual Seminars in Cognitive Sciences (BASICS). Banff, AB. May 5, 2017.
Cullum, A.* & Cummine, J.	Cerebellum activation during RAN tasks in adults with and without reading disorders.	36 th Banff Annual Seminars in Cognitive Sciences (BASICS). Banff, AB. May 5, 2017.
Hodgetts, W. , Scott, D., Maas, P. & Westover, L.	Verification of bone conduction amplification: A new approach to an old problem	Osseo 2017: 6 th International Congress on Bone Conduction Hearing and Related Technologies. Nijmegen, Netherlands. May 17-20, 2017.
Scott, D., Maas, P. & Hodgetts, W.	Development and benchtop validation of a novel technique for verification of bone conduction amplification	Osseo 2017: 6 th International Congress on Bone Conduction Hearing and Related Technologies. Nijmegen, Netherlands. May 17-20, 2017.
Cheema, K., Hodgetts, W. & Cummine, J.	Investigating functional connectivity for spelling tasks	Faculty of Rehabilitation Medicine Research Day. University of Alberta. Edmonton, AB June 9, 2017.
Kuffel, K., Hodgetts, W. & Rieger, J.	Evaluating the performance of a swallow detection algorithm designed for head and neck cancer patients in the stroke population	Faculty of Rehabilitation Medicine Research Day. University of Alberta. Edmonton, AB June 9, 2017.

Author	Title of Paper	Conference
Walshe, M., Dooley, S., Hopper, T. , Doyle, R., McCabe, R., Moore, M. & O'Neill, D.	Profiling communication ability in people with dementia: Development of a new instrument to inform management of cognitive communication difficulties	The Irish Gerontological Society 64 th Annual Scientific Meeting. Killarney, Ireland. September 30 – October 1, 2016.
Suleman, S., Garcia, J.R.* & Kim, E.	Exploring cognitive arousal using pupillometry during a working memory task in people with aphasia	American Speech, Language, and Hearing Association Annual Convention. Philadelphia, PA. November 17-19, 2016.
Garcia, J.R.*, Kim, E. & Ruelling, A.	Immersive experiential learning: Examining the effect of aphasia camp participation on student learning outcomes	American Speech, Language, and Hearing Association Annual Convention. Philadelphia, PA. November 17-19, 2016.
Suleman, S., Bartel, K., Wilson, C.* & Kim, E.	Making decisions with aphasia: A qualitative case study	Aphasia Access Leadership Summit. Orlando, FL. March 17, 2017.
Kim, E. , Garcia, J.R.* & Ruelling, A.	Optimizing outcome measurement procedures for aphasia camp participation	Aphasia Access Leadership Summit. Orlando, FL. March 17, 2017.
Langevin, M. , Swift, M.* & Clark, A.M.	Exploration of potential mechanisms and contexts that may combine to produce variations in stuttering treatment outcomes for school-age children	30 th World Congress of the International Association of Logopedics and Phoniatrics. Saggart, Co Dublin, Ireland. August 21-25, 2016.
Schmitz, C., Esmail, S., McFarlane, L. , Hall, M., Bostick, G., Kanuka, H., Paslawski, T. , Zarski, C., Martin, B. & Suleman, S.	Ready, Set, Go! Exploration of work-readiness for Occupational Therapy students	Canadian Association of Occupational Therapists National Conference 2017. Charlottetown, PEI June 21-24, 2017.
Ames, A.* , Archer, B.* , Inkster, M.* & Pollock, K.E.	AAC Camp Alberta	Alberta College of Speech Language Pathologists and Audiologists Annual Conference. Calgary, AB. October 20, 2016.
Hyter, Y., Roman, R., McFarland, E., Higdon, C., Pollock, K.E. & Waterston, L.	Competencies for effective global engagement	American Speech, Language, and Hearing Association Annual Convention. Philadelphia, PA. November 17-19, 2016.

Author	Title of Paper	Conference
Clarke, J.* , Shurb-Beach, A.* & Pollock, K.E.	Predicting school-age language & academic outcomes for children adopted from China as infants/toddlers	American Speech, Language, and Hearing Association Annual Convention. Philadelphia, PA. November 17-19, 2016.
Clarke, J.* , Shurb-Beach, A.* & Pollock, K.E.	Predicting school-age language & academic outcomes for children adopted from China as infants/toddlers	Child Language Acquisition Research in Alberta (CLARA) Conference. Lethbridge, AB. November 24-26, 2016.
Chan, C.* , Goodridge, E.* , Lam, J.* & Pollock, K.E.	Global accentedness in children enrolled in Mandarin-English bilingual program: A pilot project	Child Language Acquisition Research in Alberta (CLARA) Conference. Lethbridge, AB. November 24-26, 2016.
Mackie, K.M.* & Pollock, K.E.	Vowels and consonants: The relative effect of speech sound errors on intelligibility	Child Language Acquisition Research in Alberta (CLARA) Conference. Lethbridge, AB. November 24-26, 2016.
Chan, C.* , Goodridge, E.* , Lam, J.* & Pollock, K.E.	Global accentedness in children enrolled in a Mandarin-English bilingual program: A pilot project	International Child Phonology Conference (ICPC). Washington, DC. May 31 – June 2, 2017.
Hardy, T.* , Rieger, J. , Lewicke, Aalto, D. & Boliek, C.	Gestural differences between perceived gender groups: Informing communication feminization training for transgender women	Glenrose Rehabilitation Hospital Spotlight on Research Breakfast & Poster Symposium. Edmonton, AB. October 25, 2016.
Kuffel, K., Constantinescu, G.* , Aalto, D. , King, Scott, D. & Rieger, J.	The development of a swallow detection algorithm for remote swallowing therapy	Glenrose Rehabilitation Hospital Spotlight on Research Breakfast & Poster Symposium. Edmonton, AB. October 25, 2016.
Constantinescu, G.* , King, Kuffel, K., Scott, D., Aalto, D. , McPhee, K., Fedorak, M., Hodgetts, W. & Rieger, J.	Motivating patients in home-based swallowing therapy using mobile health applications	Covenant Health Research Day. Edmonton, AB. February 21, 2017.
Wals, Vafaeian, Wolfaardt, Rieger, J. & Adeeb	Finding the optimal implant size for oral rehabilitation of a microvascular fibular flap used in mandibular reconstruction using patient-specific finite element models	Craniofacial Biology Research Symposium. Edmonton, AB. May 25, 2017.

Author	Title of Paper	Conference
Bennett, T., Szatmari, P., Duku, E., Georgiades, S., Smith, I.M., Mirenda, P., Volden, J. , Zwaigenbaum, L., Elsabbagh, M., Unar, W. & Vaillancourt, T.	Trajectories of reported challenging behaviours derived from the aberrant behaviour checklist in a cohort of Canadian children with Autism Spectrum Disorder	International Meeting for Autism Research (IMFAR) 2017. San Francisco, CA. May 10-13, 2017.
MacKenzie, L., Smith, I., Volden J. , Duku, E., Georgiades, S., Bennett, T., Szatmari, P., Mirenda, P., Vaillancourt, T., Zwaigenbaum, L. & Elsabbagh, M.	Imitation, joint attention and language development in Autism Spectrum Disorder	International Meeting for Autism Research (IMFAR) 2017. San Francisco, CA. May 10-13, 2017.
Zaidman-Zait, A., Mirenda, P., Szatmari, P., Smith, I.M., Volden, J. , Zwaigenbaum, L., Bennett, T., Duku, E., Elsabbagh, M., Georgiades, S. & Ungar, W.	Profiles of parental personal/social coping resources during children’s early school years: Implications for psychological distress	International Meeting for Autism Research (IMFAR) 2017. San Francisco, CA. May 10-13, 2017.
Savion-Lemiux, T., Elsabbagh, M., ..., Volden, J. , et al.	Discordance across time in caregiver report during the Autism Diagnostic Interview-Revised (ADI-R): Findings from Canadian inception cohort of children with Autism Spectrum Disorder (ASD)	International Meeting for Autism Research (IMFAR) 2017. San Francisco, CA. May 10-13, 2017.

Service Contributions

University Service	Organization
Associate Chair (Boliek)	Health Research Ethics Board – Health Panel
Graduate Committee Member & Examination Chair (Boliek)	Neuroscience and Mental Health Institute
Committee Member (Boliek)	Postdoctoral Fellow Advocacy Committee – Office of the Vice-President Research
Committee Member (Rieger)	General Appeals Committee
Co-Director (Volden)	Autism Research Centre (ARC)
Editorial/Review Service	Journals
Associate Editor – Child Language (Volden)	<i>Journal of Speech, Language and Hearing Research</i>
Associate Editor (Boliek)	<i>International Journal of Speech-Language Pathologists (IJSLP)</i>
Associate Editor (Pollock)	<i>International Journal of Speech-Language Pathologists (IJSLP)</i>
Reviewer	<i>ERUASIP Journal on Audio, Speech, and Music Processing</i>
Reviewer	<i>Journal of Prosthodontics</i>
Reviewer	<i>International Journal of Speech-Language Pathologists (IJSLP)</i>
Reviewer	<i>Aphasiology</i>
Reviewer	<i>Neuropsychological Rehabilitation</i>
Reviewer	<i>Neuroimage</i>
Reviewer	<i>Frontiers</i>
Reviewer	<i>Cerebral Cortex</i>
Reviewer	<i>American Journal of Speech-Language Pathology</i>
Reviewer	<i>Journal of the International Neuropsychological Society</i>
Reviewer	<i>Physiotherapy Canada</i>
Reviewer	<i>Topics in Stroke Rehabilitation</i>
Reviewer	<i>Journal of Communication Disorders</i>
Reviewer	<i>Cleft Palate-Craniofacial Journal</i>
Reviewer	<i>Journal of Neurophysiology</i>

Editorial/Review Service	Journals
Reviewer	<i>Journal of Voice</i>
Reviewer	<i>Journal of Speech, Language and Hearing Science</i>
Reviewer	<i>Logopedics Phoniatrics Vocology</i>
Reviewer	<i>Canadian Journal of Physiology and Pharmacology</i>
Scientific Program Committee	Conferences
Planning Committee Member (Paslawski)	Collaborating Across Borders (CAB) VI
Planning Committee Member (Charest)	International Conference on the Mental Lexicon
Abstract Reviewer (Kim)	International Conference on the Mental Lexicon
Professional Service	Organization
Past President (Hodgetts)	Canadian Academy of Audiology
Chair (Pollock)	Canadian Council of University Programs in Communication Sciences & Disorders (CCUP-CSD)
Chair (Pollock)	Accreditation Secretariat, Council for the Accreditation of Canadian University Programs in Audiology and Speech-Language Pathology
Chair (Pollock)	Canadian Inter-Organizational Steering Group
Expert Panel Member (McFarlane)	National Essential Competencies Project (SLP)
Co-Chair (McFarlane)	Canadian Academic Coordinators of Clinical Education
Advisory Group Member (Paslawski)	Alberta College of Speech-Language Pathologists & Audiologists (ACSLPA) Code of Ethics Advisory Group
Committee Member (Paslawski)	ACSLPA Legislative Review Committee
Council Member (Hodgetts)	Audiology Professional Practice Council – Alberta Health Services
Council Member (Kim)	Speech-Language Pathology Provincial Professional Practice Council – Alberta Health Services
Expert Panel Member (McFarlane)	National Essential Competencies Project (SLP)
Advisory Group Member (Paslawski)	Alberta College of Speech-Language Pathologists and Audiologists (ACSLPA) Code of Ethics Advisory Group
Committee Member (Paslawski)	Alberta College of Speech-Language Pathologists and Audiologists (ACSLPA) Legislative Review Committee
Ad-Hoc Committee Member (Cleary)	Alberta College of Speech Language Pathologists and Audiologists: Advanced Practice
Research Mentor (Boliek)	Alberta Health Services (AHS) Research Challenge – Central Zone East

Professional Service	Organization
Research Mentor (Pollock)	Alberta Health Services (AHS) Research Challenge – Edmonton Zone
Peer Mentor (Cleary)	American Speech Language Hearing Association (ASHA), Board Recognition in Swallowing Disorders
Community Service	Organization
Co-Directors (Kim & Ruelling)	Alberta Aphasia Camp
Director (Pollock)	AAC Camp Alberta

Clinical Education

For the 2016/2017 placement year (September 1, 2016 to August 31, 2017), a total of 385 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 of 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 hours requirements 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)	210
Adult	156
Mixed (Adult & Pediatric)	19
Total:	385

A breakdown of placements by setting is presented below:

Population	Number of Placements
Community Health Centers/Schools	113
Early Education/Child Development Centers	21
Community Rehabilitation	36
Hospitals (Rehabilitation and Acute)	94
Corbett Clinic	115
Institute for Stuttering Treatment and Research	6
Total:	385

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 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 first year students for the first introductory placements during the spring of their first year. Most students also complete their second introductory placement at Corbett Clinic in the Fall or Winter term of second year. These are part-time placements completed concurrent with

academic coursework. The clinic also collaborates with community programs to provide advanced placements in the Winter term. The Department of Communication Sciences and Disorders 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. The clinical placement team continues to work collaboratively with receiving agencies to establish relationships, strengthen placement capacity and streamline the placement process.

The ACCE and other members of the clinical education team continue 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 training sessions were offered to specific sites to provide strategies for supervision and support site specific initiatives. These helped to reinforce current placements and build capacity for future placements.

Corbett Clinic Speech Language Pathology 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 licensed speech language pathologists. 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 2016/2017 academic year, Corbett Clinic provided 115 placement opportunities to students. 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 as well as academic staff members. 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 and children 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 and home visits are used to facilitate parent education and involvement. 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 in 2016-2017.

The funding to operate CHEEP is provided through specialized funding (Program Unit Funding) and other school funding 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.

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.

The following are some highlights from the 2016-17 school year:

- CHEEP completed its 15th year of operation.
- It was a successful year for our program children. Substantial progress was observed across developmental domains in both formal assessment and Individual Program Plan objectives.
- Program staff provided 9 - 90 minute family oriented programming sessions (home or community visits) to each of our 15 program children/families, designed to target individual client objectives (Total 135 home visits).
- Program staff provided 2 three hour group school visits for all families, again targeting individual goals of children as well as providing families the opportunity for group interaction and network building.
- Program staff worked collaboratively to make 3 referrals to Glenrose/AHS for further assessment for children with complex needs requiring additional evaluation. Two referrals have already resulted in a more specific primary diagnosis and access to additional services/resources for those families.
- Program staff provided additional parent education sessions on the topics “emergent literacy”, “sleep for young children” and “sportball” (gross motor development) during the school year.
- 9/15 program children graduated from CHEEP at the end of June. 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 children with complex needs in our classroom and follow-up meeting for receiving school staff, inclusion of receiving school staff at year end meetings, and provision of ‘tips for successful transition’ for receiving schools for all children with multiple areas of need.
- Parents of both program children and community children were provided with an evaluation in June, 2016 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. 6 /19 surveys were returned and parents were 99% satisfied overall.
- CHEEP, in collaboration with Corbett Clinic, was able to provide interprofessional clinical educational opportunities for MSLP students. A total of **16** students completed a fall placement in conjunction with CHEEP. In addition, 2 students participated in a long-term clinical placement in CHEEP during the second half of the year.
- The program continues to work collaboratively within the Faculty and community as opportunities emerge. We were able to provide observations to OT students as part of

their course work in September 2016. We benefitted from inclusion of Pet Therapy with Shona Nichols and her therapy dog, Jasper, biweekly between January and May.

- We continue to collaborate with OT to schedule time for CHEEP clients to use 2-75 for gross motor time. Access was ample in the fall term but challenging during the winter term.
- CHEEP staff participated in professional development activities including: team attendance at 'Identifying and Responding to Stress and Anxiety in Early Learners' conference in October. Staff also participated in individual professional development throughout the year.

Updates on current school year (2017-2018)

- Our Annual Operating Plan has been approved by Alberta Education for the school year.
 - The program is full with 6 returning and 10 new program children.
 - 6/6 positions are filled for community children.
 - The program has been fortunate to retain the professional team members from last school year, with the exception of our PT (Carla Brown) who was unable to return to the part-time position. We have recently hired Candace Newton who will begin in November.
- The most recent provincial budget led again to no increase or decrease in funding rates for 2017-18 for private ECS operators. Salaries for academic staff increased in the most recent U of A collective agreements. To manage increasing costs of salaries and benefits paired with static funding, it was necessary to register 15 program children, as we did last year (total of 15 funded children rather than 14). A preliminary balanced budget has been formulated.

Clinical Placement List

Clinical Placement Site	
Alberta Children's Hospital	AHS - Calgary Zone
East Calgary Health Centre	AHS - Calgary Zone
Foothills Medical Centre	AHS - Calgary Zone
North West Calgary Health Centre	AHS - Calgary Zone
Okotoks Health & Wellness Centre	AHS - Calgary Zone
Peter Lougheed Centre	AHS - Calgary Zone
Richmond Road Diagnostic	AHS - Calgary Zone
Rockyview General Hospital	AHS - Calgary Zone
Sheldon M. Chumir Health Centre	AHS - Calgary Zone
South Calgary Health Centre	AHS - Calgary Zone
South Health Campus	AHS - Calgary Zone
Centennial Centre for Mental Health & Brain Injury	AHS - Central Zone
Community Health Services	AHS - Central Zone
Olds Hospital and Care Centre	AHS - Central Zone
Red Deer Regional Hospital Centre	AHS - Central Zone
Two Hills Health Centre	AHS - Central Zone
Cross Cancer Institute	AHS - Edmonton Zone
East Edmonton Health Centre	AHS - Edmonton Zone
Facility Living	AHS - Edmonton Zone
Glenrose Rehabilitation Hospital	AHS - Edmonton Zone
Home Living Program	AHS - Edmonton Zone
Kaye Edmonton Clinic	AHS - Edmonton Zone
Royal Alexandra Hospital	AHS - Edmonton Zone
Strathcona Community Hospital	AHS - Edmonton Zone
University Of Alberta Hospital	AHS - Edmonton Zone
Queen Elizabeth II Hospital (Grande Prairie)	AHS - North Zone
(Lethbridge) Chinook Regional Hospital	AHS - South Zone
Medicine Hat Regional Hospital	AHS - South Zone
Dr. Vernon Fanning Centre	Carewest
(Leth) St. Michael's Health Centre	Covenant Health
Edmonton General Cont Care Centre	Covenant Health
Grey Nuns Community Hospital	Covenant Health
Misericordia Community Hospital	Covenant Health
Villa Caritas	Covenant Health
Prince George Native Friendship Centre	First Nations

Clinical Placement Site	
From Play To Words	Other - Health Service Providers
Institute for Stuttering Treatment and Research	Other - Health Service Providers
Providence Child Development Society	Other - Health Service Providers
Corbett Hall Early Education Program (CHEEP)	Other - Non-Health Agencies
Central Okanagan School District 23	Receiving Agencies - BC
Comox Valley Child Development Assoc.	Receiving Agencies - BC
Comox Valley School District #71	Receiving Agencies - BC
Langley School District #35	Receiving Agencies - BC
Nechako Lakes School District #91	Receiving Agencies - BC
Peace River South School District #59	Receiving Agencies - BC
Prince George School District#57	Receiving Agencies - BC
Royal Inland Hospital	Receiving Agencies - BC
Southeast Kootenay School District #5	Receiving Agencies - BC
Speak Easy Communication & Education	Receiving Agencies - BC
Australia- Autism Association of Western Australia	Receiving Agencies - International
Brandon School Division	Receiving Agencies - Manitoba
Clinical Support Services (Child Guidance Clinic)	Receiving Agencies - Manitoba
Health Sciences Centre	Receiving Agencies - Manitoba
Riverview Health Centre	Receiving Agencies - Manitoba
St. Boniface Hospital	Receiving Agencies - Manitoba
Winnipeg Regional Health Authority	Receiving Agencies - Manitoba
Janeway Children's Health and Rehabilitation Ctr	Receiving Agencies - Newfoundland and Labrador
Leonard A Miller Centre	Receiving Agencies - Newfoundland and Labrador
NLESD - Eastern Regional Office	Receiving Agencies - Newfoundland and Labrador
Pleasant View Towers	Receiving Agencies - Newfoundland and Labrador
Battlefords Union Hospital	Receiving Agencies - Saskatchewan
Don Ross Centre	Receiving Agencies - Saskatchewan
Greater Saskatoon Catholic Schools	Receiving Agencies - Saskatchewan
Kinsmen Children's Centre	Receiving Agencies - Saskatchewan
Meadow Lake Tribal Council	Receiving Agencies - Saskatchewan
Northwest Health Facility	Receiving Agencies - Saskatchewan
Prairie Spirit School Division # 206	Receiving Agencies - Saskatchewan

Clinical Placement Site	
Regina Public Schools	Receiving Agencies - Saskatchewan
Royal University Hospital	Receiving Agencies - Saskatchewan
Saskatoon City Hospital	Receiving Agencies - Saskatchewan
Saskatoon Public Schools	Receiving Agencies - Saskatchewan
St. Paul's Hospital	Receiving Agencies - Saskatchewan
Sunrise Health Authority	Receiving Agencies - Saskatchewan
Wascana Rehabilitation Centre	Receiving Agencies - Saskatchewan
Edmonton Public School Division #7	Schools - Elementary/Secondary/Independent
Grande Prairie Public School District #2357	Schools - Elementary/Secondary/Independent
Greater St. Albert Roman Catholic Separate SD #734	Schools - Elementary/Secondary/Independent
Renfrew Educational Services	Schools - Elementary/Secondary/Independent

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 child 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)*.

Registration Information 2016-7

January-March 2016

REHAB 563: Reading and Spelling Development: Assessment and Treatment Considerations in the Francophone Context

Course offered in odd-numbered years: no students in 2016

May-June 2017

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

9 students completed: 9 are SLPs or SLP students

August 2017

REHAB 561: Speech Development, Assessment and Treatment Considerations in the Francophone Context

6 completed course

Total Francophone Certificate Graduates in 2016-17: 2



Health
Canada

Santé
Canada



Undergraduate Courses/Modules

Undergraduate Courses (online):

In 2014, the Department of Communication Sciences and Disorders created two online cost-recovery undergraduate courses:

- **CSD 200:** Introduction to Communication Sciences and Disorders
- **CSD 211/LING 319:** Language Development in Children and Adolescents

CSD 200 offers an introduction to the professions of speech-language pathology and audiology, and is ideal for students considering pursuing a degree in one of these professions or simply wanting to pick up an elective. Taught by U of A MScSLP graduate, Christina Semonick, the course is offered 3 times per year (fall, winter, and summer) and attracts a steady enrolment of 20-25 students each term.

CSD 211/LING 319 meets the prerequisite for admission to speech-language pathology graduate programs is offered twice each year (fall and spring). Responsibility for instruction alternates between the Departments of CSD and Linguistics. In 2016-17, the course was taught by Melissa Skoczylas (CSD) and Johanne Paradis (Linguistics). Enrolment ranged from 30 to 38 students each term.

Refresher/Primer Modules (online):

In July-August 2016, the CSD department piloted a new **online “refresher/primer” module in phonetics**. Incoming graduate students in CSD often present with varying levels of competence and confidence in key prerequisite areas, such as phonetics, due to the variability in timing and rigor of their undergraduate preparation. Many would benefit from a guided review of content prior to beginning graduate coursework.

Developed through a CSD 900 project group (students Sarah Blackmore, Sarah Geisheimer, Kelsey Grant, and Ashley Preus) under the supervision of Dr. Karen Pollock, the Phonetics Refresher module provides a systematic self-study review of basic phonetic concepts, the International Phonetic Alphabet (IPA), and phonetic transcription practice in English. In the summer of 2016, 35 of the 57 incoming MScSLP students completed the module prior to beginning the graduate program. Pre- and post-module surveys found a significant increase in self-reported knowledge and confidence. Students who completed the module reported that the module prepared them (either somewhat well or very well) for their graduate course in phonological disorders, and 100% said they would recommend the module to other students.

Plans are underway to add a refresher module in neuroanatomy in 2017, with additional modules in syntax and/or statistics under consideration for 2018.

Student Research

Thesis Completed 2016 – 2017

Student Name	Supervisor(s)	Thesis Title
Cooper, R.	Charest, M.	Cartoons and comprehension: The effect of visual context on children's sentence processing.
Harding, A.	Campbell, M.	Speech and hearing professional's perspectives on providing aural rehabilitation services to adults with hearing loss in Alberta.
MacDonald, J.	Adams, K. & Pollock, K.	Linguistic and social experience during an online mentoring program for young adults who use augmentative and alternative communication (AAC) devices.
Roberts, G.	Rieger, J.	Determining functional outcome criteria in wait list assessment in head and neck cancer.

CSD900 Projects Completed 2016 – 2017

Student Name	Supervisor(s)	Project Title
Andrews, M., Carter, V., DeSantis, D. & Masters, L.	Campbell, M.	Effects of external vibratory technique on voice & resonance
Ankutowicz, J., Brodie, R. & Hegstrom, L.	Paslowski, T.	The effectiveness of an Edmonton Public Library materials pamphlet for adults with communication disorders
Antoniuk, R., Clapp, E. & De Waal, B.	Boliek, C. & Cummine, J.	The effect of transcranial direct current stimulation on tongue twister recitation in healthy adults
Arago, P., Churchill-Goulet, E. & Zado, M.	Cleary, S.	Improving cough and airway clearance in neuromuscular disorders: a quality health improvement project
Bartlett, J., Edwards, J. & Shearer, K.	Hopper, T.	Must love dogs; literature review and manual: animal assisted therapy in Speech-Language Pathology (Dementia)
Bedard, J., Robertson, K. & Williston, H.	Cleary, S.	The effects of volitional breathing technique on swallowing and respiratory coordination in individuals with amyotrophic lateral sclerosis (ALS)

Student Name	Supervisor(s)	Project Title
Beukens, T., Carrick, M., Hill, K. & Klassen, N.	Campbell, M.	An evaluation of single-session, group aural rehabilitation program
Brompton, L. & Gould, S.	Beal, D.	Identification of risk factors for developmental stuttering
Clarke, J. & Shurb-Beach, A.	Pollock, K.	Language and academic skills in children adopted from China: a longitudinal study
Cowden, B. & Lee, A.	Pollock, K.	Communication needs and services of children adopted from China's Waiting Child Program
Currie, S., Grant, L. & Sahdra, A.	Schneider, P.	Integrating language services and the Alberta education curriculum: an extension for grades
Dahlke, K., Lorenz, A. & Muc, N.	Kim, E.	A feasibility study using pupil dilation measures to examine cognitive effort during a working memory span task in people with Aphasia
Dimitrijevic Savic, J. & Howell, H.	Schneider, P.	Contrasting the oral and written narratives of six- and eight-year-old Canadian children
Dumbrell, K., Hornby, B. & Stephenson, K.	Schneider, P.	Equivalence of picture sets for eliciting stories from preschool children
Jeske, A. & Wilson, K.	Kim, E. & Cummine, J.	Anticipation during language processing: investigating the use of sentence context during reading in young adults
Khu, V. & Therriault, N.	Hodgetts, W.	Are objective measures of room acoustics related to older adults' subjective perceptions of acoustical comfort in eating establishments (Ees)?
Lau, P., Lise, A. & McLaughlin, K.	Paslawski, T.	Must love dogs: literature review and manual on animal assisted therapy in Speech-Language Pathology with adult neurological disorders
Mallon, A., Robinson, J. & Xing, N.	Pollock, K.	Computerized speech sound analysis: the search for user-friendly clinician tool

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Student Events 2016 - 2017

OASIS Conference 2016

The full-day conference put on by the Organization of Alberta Students in Speech (OASIS) was on September 24, 2016, with approximately 120 registrants. The keynote address was by B. May Bernhardt, PhD, RSLP, Professor at UBC, and Tiare Laporte, former Communication Learning Experience Coordinator at UBC, on “Audiology and Speech-Language Pathology for people of First Nations, Métis or Inuit Heritage.”

This conference provides students and interested graduates with information about the program, and topics of interest in Speech-Language Pathology. It’s an impressive undertaking for a group of busy students, and this year, like every other, was well attended and stimulating for all.

Carnival 2017

The Corbett Carnival took place July 15, 2017 and was enjoyed by many of our spring/summer clinic clients and their families! The carnival was held on the lawn in front of Corbett, where there were many fun activity stations (carnival games, an obstacle course, face-painting, etc.), a student-led flash mob, and lots of delicious baking provided by the MScSLP class of 2018. Five lucky clients were also given the opportunity to pie one of their student clinicians in the face! It is estimated that 40 clients attended (not counting family members) and many of the MScSLP students attended the event as well. The OASIS carnival committee put in a lot of hard work to plan and coordinate the event and the effort resulted in a fun and enjoyable event!





Alberta Aphasia Camp – September 16-18, 2016



The third annual Alberta Aphasia Camp took place on a beautiful, if somewhat rainy, 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, including the Departments of Communication Sciences and Disorders (CSD), 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 two Conductive Educators from March of Dimes Canada (Abigail Payne and Rachel Salsman). Five returning student volunteers from the 2015 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, 11 SLP, 5 OT and 5 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 33 registered campers (19 PWA and 14 care partners, CP) who attended for the duration of the weekend. Campers primarily came from all over Alberta, with one couple making the trip from Battleford, Saskatchewan. Twenty campers were returnees from the 2015 camp and 13 were first time campers.

Campers participated in a variety of activities, including; guided hike, voyageur canoe, low ropes, high ropes (pendulum swing), indoor games, outdoor games, scavenger hunt, arts & crafts and yoga. This year saw the addition of a few new activities, one of note being archery. This was a joint venture between Alberta Aphasia Camp, YoWoChAs camp staff, and two individuals from the community who work with the Canadian Paralympic archery team. The OT



students learned how to make splints and modifications to bows to accommodate our campers with hemiparesis. The partnership was a success, with 10 campers participating in this unique opportunity to try archery.

This year, we also increased the number of all-camp activities offered. Traditionally we have ended camp with an all-camp activity, which is a *drum circle*. This is hugely successful and we again chose this to be our final activity on Sunday. However, this year saw the addition of *laughter yoga* and *initiative games*. Both were a great addition to the schedule!



Campers also had an opportunity to sit with each other and share their stories. Often campers are amazed by what they can do when they come to a supportive environment like the Alberta Aphasia Camp, and this builds their confidence in trying new things when they go home from camp. These sessions always end with campers selecting goals for themselves to work towards when away from camp. Examples of goals that clients set

for themselves this year included: working on improving their speech, teaching Syrian refugees to read, writing a letter to a friend in the USA, and quitting smoking.

Feedback from Campers

"I loved seeing my loved one so involved and loving the weekend!" (CP)

"Extremely impressed with/by the efforts of the students and volunteers. The preparation and organization of the event was very well done." (CP)

"One week long please" (PWA)



Feedback from student volunteers.

"[Aphasia Camp was] such a positive and inspiring experience. It is a wonderful example of how our profession is about more than just speech, but how we have the opportunity to connect with and uplift others."



Future Plans. Planning is underway for the 2017 Alberta Aphasia Camp, to be held September 8-10, 2017. The biggest change for our 2017 camp will be a

new location. We will be having camp at Gull Lake Centre. This change in venue was prompted by the need to be in a more central location to accommodate campers coming from southern Alberta, and having the capacity to expand the number of individuals we could accept to come to camp. For 2017, We plan to increase the number of campers to approximately 50 campers, and we will also allow campers to attend with up to 2 family members/friends. We plan to keep the number of OT and PT student volunteers to 10 as well as keeping the number of SLP volunteers to 10. In the past we have had an OT leader on site, and plan to also have a PT

leader on site in 2017. Other changes may be determined by the new camp location, such as modifications to volunteer training (i.e. having volunteer training on site on the first day of camp), and activities offered. We are excited for this new adventure and partnership with Gull Lake Centre.



AAC Camp Alberta

AAC Camp Alberta, August 26-28, 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, about 60 km southwest of Calgary, the camp was inspired by parent champion Valerie Arbeau from Calgary, whose family had been attending an AAC Camp in Idaho for several years. With assistance from Anne Kuhlmeier, director of the Idaho camp, and guidance from the founders/directors of the Alberta Aphasia Camp, Dr. Karen Pollock and the CSD Department worked to bring AAC Camp to Alberta.

The objectives of AAC Camp Alberta were:

- to provide a camp experience to children with complex communication needs, with a focus on social communication
- to provide opportunities for children using AAC devices to communicate and build friendships with each other
- to provide training and networking opportunities for parents and siblings of campers
- to provide Rehabilitation Medicine graduate students supervised experience working with AAC in an intensive, short-term, naturalistic setting

AAC communicative competence includes not only linguistic and operational competencies, but social and strategic competencies as well. These competencies are best learned in an environment rich in shared activities and ongoing communication opportunities that include expert, guided interactions. At AAC Camp, campers and family members learned strategies for using their device and counsellors and parents learned strategies for supporting communication with an AAC user.



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 and had a wide variety of diagnoses (e.g., cerebral palsy, autism, Down syndrome, etc.). All used a

speech-generating AAC device (e.g., iPad with Proloquo or TouchChat or dedicated devices such as Nova Chats, Accents, Tobii-Dynavox I-series).

Campers were paired one-on-one with SLP (11), OT (6), and PT (2) graduate student counsellors and supervised in small groups by volunteer professionals in speech-language pathology (Trish Lawrie, Leigh Maxwell, Talia West, Catherine Leonard, and Sarah Rentz), occupational therapy (Pam Jung), assistive technology (Dianne Molzan), and engineering (Kim Adams). Counsellors participated in two half-days of training on site prior to the campers' arrival on Friday afternoon. 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). Siblings formed an additional group and participated in many of the same activities as the AAC campers, supervised by March of Dimes staff Abigail Payne and Rachel Salsman.



Given the timing of the camp, midway between the 2016 Winter Olympic and Paralympic games, activities followed an "Olympics" theme. The opening ceremony featured a torch relay where campers introduced themselves using their devices. Three SLP graduate students (Allison Ames, Britany Archer, Michelle Inkster) developed and led a variety of communication-based activities such as making a team flag, dressing a mascot, Olympic trivia, a scavenger hunt, and campfire sing alongs. Campers and siblings also had the opportunity to try out Olympic events such as swimming and archery, and go on a giant swing. The camp's closing ceremony featured performances by the Old Strings, a group of former Calgary Fiddlers, and Special Olympian Meg Ohsada from Canmore, who entertained everyone with a rhythmic gymnastics routine and helped hand out gold medals to all AAC campers.





“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



Future Plans: Planning is underway for AAC Camp Alberta 2017, which will be held at Gull Lake Center July 28-30, 2017. We are anticipating many new as well as returning campers!

Special thanks to the AAC Camp 2016 sponsors:

 <p>Alberta Consortium of Rehabilitative and Assistive Technology</p>	 <p>MARCH OF DIMES CANADA LA MARCHE DES DIX SOUS DU CANADA</p> <p>UNIVERSITY OF ALBERTA FACULTY OF REHABILITATION MEDICINE Department of Communication Sciences and Disorders</p>	 <p>working together for children & youth</p> <p>Calgary & Area RCSD</p>
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Admissions and Convocation

Summary of Admission Statistics for September 2016

Enrollment September 2016:

- 58 students admitted to the MScSLP (course-based) program
- 55 females, 3 males
- 33 Alberta residents, 25 out of province

Convocation 2016-2017 Professional Practice Entry-Level MScSLP (Course-Based & Thesis) Programs November 2016 & June 2017 (n = 57)

Andrews, Michelle Mary	DeSantis, Daniel	Lorenz, Allison
Ankutowicz, Jillian Rene	Dewaal, Breanna Elizabeth	MacDonald, Jenelle
Antoniuk, Rachel Lauren	Dimitrijevic Savic, Jovana	Mallon, Andrea Lynn Marie
Arago, Paul	Dumbrell, Kate Elizabeth	Martin, Kathryn Lee
Bartlett, Jordan Highley	Edwards, Jenna Marie	Masters, Laura May
Bedard, Janice Kathleen	Gould, Stephanie Robin	McLaughlin, Kelsey Marie
Beukens, Teresa	Grant, Lucy Elizabeth	Muc, Nausha Marie
Brodie, Rachelle Amanda	Harding, Alison	Roberts, Genevieve
Brompton, Laura Anne Marina	Hegstrom, Lindsay Marie	Robertson, Kirsten Marie
Carrick, Melanie Shannon	Hill, Kaitland Lauren	Robinson, Jon
Carter, Victoria Ann	Hornby, Bryn Mary	Sadhra, Avneet
Chu, Patricia Kalai	Howell, Heather Lynne	Shurb-Beach, Amber Rose
Churchill, Emily Pauline	Jeske, Alysia Charmaine	Stephenson, Kayla Rae
Clapp, Elysha Marie	Johns, Alison Elizabeth	Therriault, Nicole Helen
Clarke, Jessica Rose	Khu, Vanessa Claire	Williston, Heidi Tess
Cooper, Rebecca	Klassen, Natalie Anne	Wilson, Kristy Jennifer
Cowden, Brenna Kaylene	Lau, Pauline	Xing, Nan
Currie, Samantha Margaret	Lee, Alyssa Danae	Young, Sarah Lynn
Dahlke, Kaetlyn June	Lise, Amanda Maria	Zado, Melissa Kay