

Andrew J Coombs

Personal Information

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Current Positions

2017 –present **Doctoral Candidate**, Faculty of Education, Queen's University
 2017 –present **Project Manager**, Partnership Development Grant, SSHRC

Research Interests

- Assessment education of teachers, particularly in early career stages
- Quantitative methodologies (e.g., latent class analysis)
- Reconceptualizing assessment constructs (e.g., literacy, competence, capacity, capability, identity)

Teaching Interests

- Classroom assessment
- Educational Measurement
- Educational Statistics
- Quantitative Methodologies
- Intro. to Research Methods
- Science Curriculum

Education

2017 –present **Doctor of Philosophy**, Faculty of Education, Queen's University, Ontario, Canada
How Early Career Experiences Shape Teachers' Approaches to Classroom Assessment
 Supervisor: Dr. Christopher DeLuca
 Committee Members: Dr. Michelle Searle, Queen's University
 Dr. Eunice Jang, Ontario Institute for Studies in Education
 Dr. Mary Hill, University of Auckland
 Visiting Student: Ontario Institute for Studies in Education, University of Toronto

2015 –2017 **Master of Education**, Faculty of Education, Queen's University, Ontario, Canada
Examining Teacher Educators' Approaches to Assessment
 Supervisor: Dr. Christopher DeLuca
 Committee Member: Dr. Lyn Shulha
 Examiner: Dr. Liying Cheng

2012 – 2014 **Bachelor of Education**, Mount Saint Vincent University, Nova Scotia, Canada
 Concentration: Elementary Education

2006 – 2011 **Bachelor of Science with Honours**, Dalhousie University, Nova Scotia, Canada
Characterization of the role of notch signaling and hematopoietic stem cells on the mast cell lineage in the zebrafish
 Supervisor: Dr. Jason Berman

Research Grants

Funding Summary

Confirmed

SSHRC Funding	\$134,500
University Funding	\$50,000
Total	\$184,500

Under Review

SSHRC Funding	\$230,000
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Research Grants

2021 – 2023	Principal Investigator: <i>Supporting Teachers' Assessment Practices: A Longitudinal Examination of Professional Development Models</i>	
	<ul style="list-style-type: none"> Banting Postdoctoral Fellowship, SSHRC (under review) Postdoctoral Fellowship, SSHRC (under review) 	<p>\$140,000</p> <p>\$90,000</p>
		Total \$230,00
2017 – 2021	Principal Investigator: <i>How Early Career Experiences Shape Teachers' Approaches to Assessment</i>	
	<ul style="list-style-type: none"> Joseph-Armand Bombardier CGS Doctoral Scholarship, SSHRC Ontario Graduate Scholarship, Queen's University Tri-Agency Recipient Recognition Award – PhD, Queen's University 	<p>\$117,000</p> <p>\$15,000</p> <p>\$10,000</p>
		Total \$142,000
2015 – 2017	Principal Investigator: <i>Teacher Educators' Approaches to Assessment</i>	
	<ul style="list-style-type: none"> Joseph-Armand Bombardier Canada Graduate Scholarship-Master's, SSHRC Ontario Graduate Scholarship, Queen's University Tri-Agency Recipient Recognition Award – Master's, Queen's University Queen's Graduate Award, Queen's University 	<p>\$17,500</p> <p>\$15,000</p> <p>\$5,000</p> <p>\$5,000</p>
		Total \$42,500

Academic & Conference Awards

Academic Awards

2019	Robert J. Wilson Dissertation Development Award <i>Awarded to a graduate student in the Faculty of Education with a demonstrated research interest in theoretical and practical contributions to the fields of (a) classroom assessment practice, (b) large-scale assessment practice, and/or (c) program evaluation.</i>	\$500
2017	Arthur B. McDonald Excellence Award, Queen's University (declined due to CGS) <i>This prestigious award recognizes excellence and research potential of applicants who will begin their graduate degree programs in the School of Graduate Studies at Queen's University. Named in honour of Nobel Laureate Dr. McDonald.</i>	\$30,000
2014	DeWolfe/Fortune Scholarship in Education, Nova Scotia Teachers College <i>Awarded to a Bachelor of Education student in Nova Scotia who excels in math/science education.</i>	\$500
2012	Team Excellence Award for Innovation, Cancer Care Nova Scotia <i>This award recognizes the dedication and accomplishments of those who work to improve cancer prevention and care for patients and their families.</i>	
2007	Academic Scholarship, Dalhousie University <i>This award recognizes academic excellence.</i>	\$1,000

Conference Presentation Awards

2017	David Bateson New Scholar Award, Canadian Educational Researchers' Association <i>Awarded for the best paper presented by a graduate student in a CERA session at the annual CSSE conference.</i>	\$500
2015	1 st Place Poster Presentation Prize, 4 th North Atlantic Zebrafish Research Symposium <i>Awarded for the best poster presentation at the conference.</i>	
2012	1 st Place Poster Presentation Prize, Interdisciplinary Research Conference <i>Awarded for the best poster presentation at the conference.</i>	
2011	1 st Place Platform Presentation, Interdisciplinary Research Conference <i>Awarded for the best poster presentation at the conference.</i>	
2011	2 nd Place Poster Presentation Award, Atlantic Provinces Council of the Sciences Conference <i>Awarded for the 2nd best poster presentation at the conference.</i>	
2011	Top 2 Poster Presentation Prize, Dalhousie University Cameron Conference <i>Awarded for one of the best poster presentations at the conference.</i>	
2010	1 st Place Poster Presentation Prize, Beatrice Hunter Cancer Research Institute Symposium <i>Awarded for the best poster presentation at the conference.</i>	

Conference Travel Awards

2020	Queen's University Travel Award, Queen's University	\$600
2019	Queen's University Travel Award, Queen's University	\$600
2018	Queen's University Travel Award, Queen's University	\$600
2017	Classroom Assessment SIG Travel Award, American Educational Research Association (AERA)	\$500
2017	Queen's University Travel Award, Queen's University	\$600
2016	CERA Travel Award, Canadian Educational Researchers' Association (CSSE)	\$200
2016	Queen's University Travel Award, Queen's University	\$500

Other Awards

2017	Rosa Baier and Luis Bruno Fund Award, Queen's University <i>Awarded on the basis of academic excellence to fund eligible Master's or PhD students enrolled in the Faculty of Education. Funding is to be used for expenses related to data collection for a student's project or thesis.</i>	\$500
2012	Career Fair Best Booth Award and Top Presenter, IWK Health Centre <i>Annual event for K-12 students to explore careers available in healthcare and medical research.</i>	

Publications

Refereed Papers (18)

- Henderson, G., Beach, P., & **Coombs, A. J.** (Accepted). Financial literacy education in Ontario: A survey of elementary teachers' perceptions, attitudes, and practices. *Canadian Journal of Education*.
- Gareis, C., Barnes, N., **Coombs, A. J.**, DeLuca, C., & Uchiyama, K. (Accepted). Exploring the influence of assessment courses and student teaching on beginning teachers' approaches to classroom assessment. *Assessment Matters*.
- Coombs, A. J.**, Ge, J., & DeLuca, C. (2020). From sea to sea: The Canadian landscape of assessment education. *Educational Research, Special Issue: Changing times, changing assessments: International perspectives*, online. doi: <https://doi.org/10.1080/00131881.2020.1839353>
- MacGregor, S., Cooper, A., **Coombs, A. J.**, & DeLuca, C. (2020). A scoping review of research-media interactions for research communication. *Helijon*, 6(9), online. doi: <https://doi.org/10.1016/j.helijon.2020.e04836>
- Coombs, A. J.**, DeLuca, C., & MacGregor, S. (2020). A person-centered analysis of teacher candidates' approaches to assessment. *Teaching and Teacher Education*, 87, online. doi: <https://doi.org/10.1016/j.tate.2019.102952>
- Pringle, E., Wertman, J., Melong, N., **Coombs, A. J.**, Young, A., O'Leary, D., Veinotte, C., Robinson, C., Ha, M., Dellaire, G., Druley, T., McCormick, C., & Berman, J. N. (2020). The zebrafish xenograft platform – a novel tool for modeling KSHV-associated diseases. *Viruses*, 12(1), 1-12. doi: <https://doi.org/10.3390/v12010012>
- DeLuca, C., Schneider, C., **Coombs, A. J.**, Pozas, M., & Rasooli, A. (2019). A cross-cultural comparison of German and Canadian student teachers' assessment competence. *Assessment in Education: Principles, Policy & Practice*, 27(1), 26-45. doi: <https://doi.org/10.1080/0969594X.2019.1703171>
- DeLuca, C., **Coombs, A. J.**, & LaPointe-McEwan, D. (2019). Assessment mindset: Exploring teacher mindset and approach to classroom assessment. *Studies in Educational Evaluation*, 61, 159-169. doi: <https://doi.org/10.1016/j.stueduc.2019.03.012>
- DeLuca, C., Willis, J., Cowie, B., Harrison, C., **Coombs, A. J.**, Gibson, A., & Trask, S. (2019). Policies, programs, and practices: Exploring the complex dynamics of assessment education in teacher education across four countries. *Frontiers, Special Issue: Teacher Assessment Literacy*. doi: <https://doi.org/10.3389/feduc.2019.00132>
- DeLuca, C., **Coombs, A. J.**, MacGregor, S., & Rasooli, A. (2019). Toward a differential and situated view of assessment literacy: Studying teachers' responses to classroom assessment scenarios. *Frontiers, Special Issue: Advances in Classroom Assessment Theory and Practice*. doi: <https://doi.org/10.3389/feduc.2019.00094>
- Coombs, A. J.**, DeLuca, C., LaPointe-McEwan, D., & Chalas, A. (2018). Changing approaches to classroom assessment: An empirical study across teacher career stages. *Teaching and Teacher Education*, 71, 134-144. doi: <https://doi.org/10.1016/j.tate.2017.12.010>
- DeLuca, C., Valiquette, A., **Coombs, A. J.**, LaPointe-McEwan, D., & Luhanga, U. (2018). Teachers' approaches to classroom assessment: A large-scale survey. *Assessment in Education: Principles, Policy & Practice*, 25(6), 355-375. doi: <https://doi.org/10.1080/0969594X.2016.1244514>

- Youmans, A., **Coombs, A. J.**, & Colgan, L. (2018). Early Childhood Educators' and Teachers' Early Math Education Knowledge, Beliefs, and Pedagogy. *Canadian Journal of Education*, 41(4), 1079-1104. doi: <https://journals.sfu.ca/cje/index.php/cje-rce/article/view/3442>
- Schaepli, L., Godlewska, A., **Coombs, A. J.**, Rose, J., Morcom, L., & Korteweg, L. (2018). What do first-year university students in Ontario, Canada know about First Nations, Métis and Inuit people and topics? *Canadian Journal of Education*, 41(3), 689-725. doi: <https://journals.sfu.ca/cje/index.php/cje-rce/article/view/3247>
- Fernandez-Murray, P., Prykhozhiy, S., Dufay, J. N., Steele, S. L., Gaston, D., Nasrallah, G., **Coombs, A. J.**, Fernandez, C., Berman, J. N., & McMaster, C. (2016). Glycine and folate ameliorate models of congenital sideroblastic anemia. *PLoS Genetics*, 12(1), e1005783. doi: <https://doi.org/10.1371/journal.pgen.1005783>
- Dhanraj, S., Rao Gunja, S. M., Deveau, A. P., Nissbeck, M., Boonyawat, B., **Coombs, A. J.**, Renieri, A., Mucciolo, M., Marozza, A., Buoni, S., Turner, L., Li, H., Jarrar, A., Sabanayagam, M., Kirby, M., Shago, M., Pinto, D., Berman, J. N., Scherer, S. W., Virtamen, A., & Dror, Y. (2015). A novel syndrome with bone marrow failure and developmental delay caused by mutations in poly(A)-specific ribonuclease. *Journal of Medical Genetics*, 52, 738-748. doi: <http://dx.doi.org/10.1136/jmedgenet-2015-103292>
- Deveau, A. P., Forrester, A. M., **Coombs, A. J.**, Wagner, G. S., Grabher, C., Chute, I., Leger, D., Lewis, S., Look, A. T., & Berman, J. N. (2015). Epigenetic therapy restores normal hematopoiesis in a transgenic zebrafish model of NUP98-HOXA9-induced myeloid disease. *Leukemia*, 29, 2086-2097. doi: <https://doi.org/10.1038/leu.2015.126>
- Da'as, S. I., **Coombs, A. J.**, Balci, T. B., Grondin, C., Ferrando, A., & Berman, J. N. (2012). The zebrafish reveals dependence of the mast cell lineage on notch signaling in vivo. *Blood*, 119(15), 3585-3594. doi: <https://doi.org/10.1182/blood-2011-10-385989>

Refereed Papers Under Review (4)

- Coombs, A. J.**, & DeLuca, C. (Submitted May, 2020). Mapping the constellation of assessment discourses: A scoping review study on assessment competence, literacy, capability, and identity.
- DeLuca, C., Rickey, N., & **Coombs, A. J.** (Submitted September, 2020). Classroom assessment and student mobility across learning cultures: A comparison of teachers' approaches to assessment in the U.S., China, and Canada.
- Schneider, C., DeLuca, C., Pozas, M., & **Coombs, A. J.** (Submitted September, 2020). Personality influences on teacher candidates' assessment practices.
- Coombs, A. J.**, Rickey, N., DeLuca, C., & Lui, S. (Submitted October, 2020). Chinese teachers' approaches to classroom assessment.

Refereed Papers in Preparation (2)

- Coombs, A. J.** (In Preparation). Teachers' beliefs, philosophical orientations, and practice of classroom assessment: A multiple-method study of educators in Newfoundland & Labrador.
- Baidoo-Anu, D., **Coombs, A. J.**, & DeLuca, C. (In Preparation). Canadian teachers' approaches to assessment.

Books (1)

DeLuca, C., Willis, J., Harrison, C., Cowie, B., & **Coombs, A. J.** (Under Contract, Completion December 2021). *Learning to assess: Cultivating assessment capacity in teacher education*. Springer.

Book Chapters (2)

MacGregor, S., & **Coombs, A. J.** (In Press). Implementing your sample strategy in an educational setting. In A. Harbaugh & U. Luhanga (Eds.), *Basic Elements of Survey Research in Education: Addressing the Problems Your Supervisor Never Told You About*. North Carolina: Information Age Publishing Inc.

DeLuca C., **Coombs A. J.**, & Sherman A. (2018). Preparing teachers for assessment in schools: The influence of teacher educators In C. Wyatt-Smith & L. Adie (Eds.), *Innovation and Accountability in Teacher Education: Teacher Education, Learning Innovation and Accountability* (pp. 171-186). Singapore: Springer.

Practitioner Articles (3)

Piekarski, L., **Coombs, A. J.**, & DeLuca, C. (Submitted April, 2020). Supporting early career teachers in classroom assessment.

DeLuca, C., **Coombs, A. J.**, & Ge, J. (2019). Former à évaluer les élèves en classe: Une perspective canadienne sur les programmes de formation initiale des enseignants [Training to Assess Students in the Classroom: A Canadian Perspective on Initial Teacher Education Programs]. *Administration et Éducation*, 165(1), 249-255. <https://www.cairn.info/revue-administration-et-education-2020-1-page-249.htm>

Coombs, A. J., DeLuca, C., & LaPointe-McEwan, D. (2018). Beyond trial and error: How early career teachers navigate the challenges of classroom assessment. *Education Canada*, 58(3), <https://goo.gl/qJicHd>

Evaluative and Technical Reports (4)

LaPointe-McEwan, D., **Coombs, A. J.**, & Klinger, D. (2017). Bachelor of Education satisfaction survey: Key findings and recommendations. A technical report for the Faculty of Education, Queen's University, (pp. 44).

Coombs, A. J. (2017). World YMCA Change Agents. A technical report for The Students Commission of Canada, (pp. 31).

Coombs, A. J. (2016). OPHEA: Sexual violence prevention. A technical report for The Students Commission of Canada, (pp. 10).

Coombs, A. J. (2016). YMCA Canada Young Ambassadors Program. A technical report for The Students Commission of Canada, (pp. 9).

Editorials (2)

Coombs, A. J. (2019). The importance of a supportive collaborative culture. *Canadian Journal for New Scholars in Education* 10(2), 5-6.

Coombs, A. J. (2019). 10 Years of CJNSE. *Canadian Journal for New Scholars in Education* 10(1), 1-3.

Theses (2)

- Coombs, A. J.** (2017). Teacher educators' approaches to assessment. (Unpublished Master's Thesis). Queen's University, Kingston, Canada.
- Coombs, A. J.** (2011). Characterization of the role of notch signaling and hematopoietic stem cells on the mast cell lineage in the zebrafish. (Unpublished Honours Thesis). Dalhousie University, Halifax, Canada.

Other Articles (7)

- Coombs, A. J.** (2020, June). How does teacher education influence teacher candidates' assessment literacy? *Research in a Nutshell*, 4(3).
- Coombs, A. J.** (2020, January). How do teachers become assessment capable? *Research in a Nutshell*, 4(2).
- Coombs, A. J.** (2019, January). What does math education look like for young students? *Research in a Nutshell*, 3(2).
- Coombs, A. J.** (2018, April). What shapes teachers' approaches to assessment? *Research in a Nutshell*, 2(3).
- Coombs, A. J.** (2018, April). My path to graduate school. *Queen's University: Student Experiences*. <http://educ.queensu.ca/student-experiences-my-path-graduate-school>
- Coombs, A. J.** (2017). The impact of cognitive architecture and cognitive load theory on classroom assessment. *Graduate Student Symposium Selected Papers*, 11, 117-129.
- Coombs, A. J.** (2008, October 10th). Russia Plays for Power. *Dalhousie Gazette*, pp. 7.

Conference Presentations (26)

- Schneider, C., DeLuca, C., Pozas, M., & **Coombs, A. J.** (September, 2020). Do student teachers' personality features impact perceptions and preferences concerning educational assessment? A study on Canadian and German teacher candidates. Paper presented at the European Conference for Educational Research, Glasgow, Scotland. (Conference canceled).
- DeLuca, C., Willis, J., Cowie, B., Harrison, C., **Coombs, A. J.**, & Gibson, A. (June, 2020). Cultivating Assessment Capacity in Teacher Education: Toward a Theoretical Framework. Paper presentation at the Joint SIG1 (Assessment & Evaluation) and SIG4 (Higher Education) Conference, Cadiz, Spain. (Conference cancelled).
- Coombs, A. J.**, Rickey, N., & DeLuca, C. (May, 2020). Assessment cultures as a challenge to student mobility: A cross-cultural comparison of teachers' approaches to assessment. Paper Presentation at the Canadian Society for the Study of Education, London, Canada. (Conference cancelled).
- Coombs, A. J.**, Baidoo-Anu, D., & DeLuca, C. (May, 2020). Canadian teachers' approaches to assessment. Paper Presentation at the Canadian Society for the Study of Education, London, Canada. (Conference cancelled).
- DeLuca, C., Willis, J., Cowie, B., Harrison, C., & **Coombs, A. J.** (April, 2020). Preparing assessment capable teachers: A multi-dimensional framework for initial teacher learning in assessment. Paper presentation at the American Educational Research Association, San Francisco, United States. (Conference cancelled).

- DeLuca, C., & **Coombs, A. J.** (December, 2019). Assessment education across the Canadian landscape: An analysis of pre-service program courses and teacher educator practices. Paper Presentation at the Australia Association for Research in Education Conference, Brisbane, Australia.
- Barnes, N., DeLuca, C., **Coombs, A. J.**, Gareis, C., & Uchiyama, K. (September, 2019). Pre-service Teachers' Approaches to the Importance of Providing Formative Feedback to Students. Paper Presentation at the National Council on Measurement in Education 2nd Annual Special Conference on Classroom Assessment, Boulder, United States.
- Coombs, A. J.**, Ge, J., & DeLuca, C. (June, 2019). How teacher educators operationalize assessment policies. Paper Presentation at the Canadian Society for the Study of Education, Vancouver, Canada.
- Coombs, A. J.**, DeLuca, C., & MacGregor, S. (June, 2019). Teacher candidates' approaches to assessment: A latent class analysis. Paper Presentation at the Canadian Society for the Study of Education, Vancouver, Canada.
- Coombs, A. J.**, Lorenz, D., DeLuca, C., & Winchester, I. (June, 2019). Navigating the hidden curriculum of the peer review process. Panel presentation at the Canadian Society for the Study of Education, Vancouver, Canada.
- Bozek, E., & **Coombs, A. J.** (June, 2019). Do chronic health conditions influence adolescents' risk taking behaviours. Poster presentation at the Canadian Society for the Study of Education, Vancouver, Canada.
- Gareis, C. R., **Coombs, A. J.**, Barnes, N., DeLuca, C., & Uchiyama, M. (April, 2019). Assessment literacy development: Exploring the influence of assessment courses and student teaching on beginning teachers. Roundtable presentation at the American Educational Research Association, Toronto, Canada.
- DeLuca, C., & **Coombs, A. J.** (April, 2019). From sea to sea: Assessment education across Canadian preservice programs. Paper presentation at the American Educational Research Association, Toronto, Canada.
- Bozek, E., & **Coombs, A. J.** (April, 2019). Risk taking behaviours of Canadian Adolescents with chronic health conditions. Poster presentation at the American Educational Research Association, Toronto, Canada.
- Henderson, G., Beach, P., & **Coombs, A. J.** (April, 2019). This little piggy went banking: Elementary teachers' perceptions of financial literacy education. Poster presentation at the American Educational Research Association, Toronto, Canada.
- Coombs, A. J.**, DeLuca, C., & MacGregor, S. (October, 2018). Teacher candidates' approaches to assessment: homogeneous population or discrete classes. Paper presented at the Consortium for Research on Educational Assessment and Teaching Effectiveness, Williamsburg, United States.
- Coombs, A. J.**, Gareis, C., DeLuca, C., Uchiyama, K., & Barnes, N. (October, 2018). Exploring the influence of assessment education and student teaching on teacher candidates' assessment literacy. Paper presented at the Consortium for Research on Educational Assessment and Teaching Effectiveness, Williamsburg, United States.
- Schneider, C., DeLuca, C., **Coombs, A. J.**, & Pozas, M. (September, 2018). Exploring the structure and the foundations of assessment literacy: A cross-cultural comparison of German and Canadian Student Teachers. Paper presented at the European Conference for Educational Research, Bolzano, Italy.

- Coombs, A. J.** (October, 2017) Teacher educators' approaches to assessment. Paper presented at the Consortium for Research on Educational Assessment and Teaching Effectiveness, Virginia Beach, United States.
- Coombs, A. J.**, DeLuca, C., LaPointe-McEwan, D., Chalas, A., & Luhanga, U. (May, 2017). Examining variability in teachers' approaches to assessment. Paper presentation at the Canadian Society for the Study of Education, Toronto, Canada.
- Coombs, A. J.** (May, 2017). Examining teacher educators' approaches to assessment. Roundtable presentation at the Canadian Society for the Study of Education, Toronto, Canada.
- DeLuca, C., **Coombs, A. J.**, LaPointe-McEwan, D., & Chalas, A. (April, 2017). Changing approaches to classroom assessment: An empirical study across teacher career stages. Paper presentation at the American Educational Research Association Conference, San Antonio, United States.
- DeLuca, C., LaPointe-McEwan, D., Valiquette, A., & **Coombs, A. J.** (April, 2016). Exploring teachers' approaches to classroom assessment: An instrument development study. Paper presentation at the American Evaluation Research Association Conference. Washington, United States.
- DeLuca, C., LaPointe-McEwan, D., Valiquette, A., & **Coombs, A. J.** (November, 2016). Exploring teachers' approaches to classroom assessment: An instrument development study. Paper presentation at the Association for Educational Assessment – Europe. Limassol, Cyprus.
- Coombs, A. J.** (May, 2016). The impact of cognitive architecture and cognitive load theory on classroom assessment. Poster presentation at the Canadian Society for the Study of Education, Calgary, Canada.
- DeLuca, C., LaPointe-McEwan, D., Valiquette, A., **Coombs, A. J.**, Chalas, A. (May, 2016). Measuring teachers' approaches to assessment: An instrument development study. Paper presentation at the Canadian Society for the Study of Education, Calgary, Canada.
- Conference presentations at non-educational research conferences are not listed (n=33).

Research Projects

- 2020 – present **Research Assistant:** Maximizing our investment in Canadian education: Strengthening student outcomes through a national research-practice network for teacher professional learning
- Principle Investigator: Dr. Christopher DeLuca (Queen’s University)
 - Co-Applicants: Dr. Liying Cheng (Queen’s University), Dr. Amanda Cooper (Queen’s University), Dr. Michelle Searle (Queen’s University), Dr. Saad Chahine (Queen’s University), Dr. Kristy Timmons (Queen’s University), Dr. Joelle Rodway-Marci (Memorial University), Dr. Judy Halbert (Networks of Inquiry and Innovation), Dr. Lorna Earl (Canadian Assessment for Learning Network), Dr. Lori Jeschke (Prairie Spirit School Division), & Dr. Carol Campbell (University of Toronto).
 - Funding: *Social Science and Humanities Research Council (SSHRC), Partnership Grant, Stage 1*
 - Role: Contributed to writing and submission of Stage 2 application
 - Outputs: *SSHRC Partnership Grant, Stage 2* application
- 2017 – present **Project Manager:** Preparing Teachers for the Age of Accountability: An International Partnership for Enhancing Teacher Education in Assessment
- Principle Investigators: Dr. Christopher DeLuca (Queen’s University), Dr. Bronwen Cowie (University of Waikato), Dr. Jill Willis (Queensland University of Technology), & Dr. Chris Harrison (King’s College London)
 - Funding: *Social Science and Humanities Research Council (SSHRC), Partnership Development Grant*
 - Methods: surveys, interviews, document analysis, autobiographical reflections
 - Role: Contributed to study design, data collection and analysis, manuscript and book preparation, and coordinated research team meetings
 - Outputs: 1 peer reviewed manuscript and 1 book (in preparation)
- 2017 – 2020 **Project Manager:** Examining the Impact of Canadian and German Teacher Education Programs on Teachers’ Assessment Literacy
- Principle Investigators: Dr. Christopher DeLuca (Queen’s University) & Dr. Christoph Schneider (University of Trier)
 - Method: survey
 - Role: Contributed to study design, data collection and quantitative analysis, manuscript preparation, and coordinated research team meetings
 - Outputs: 2 peer-reviewed manuscripts
- 2017 – 2020 **Project Manager:** A Sociocultural Perspective on American Teachers’ Assessment Literacy
- Principle Investigators: Dr. Christopher DeLuca (Queen’s University), Dr. Nicole Barnes (Montclair State University), Dr. Chris Gareis (College of William & Mary), & Dr. Kay Uchiyama (University of West Florida)
 - Methods: survey
 - Role: Contributed to study design, data collection and quantitative analysis, manuscript preparation, and coordinated research team meetings
 - Outputs: 1 peer-reviewed manuscript

- 2017 – 2020 **Project Manager:** Teacher Educators' Approaches to Classroom Assessment
- Principle Investigators: Dr. Christopher DeLuca (Queen's University)
 - Methods: survey, interviews, and document analysis
 - Role: experimental design, data collection and quantitative and qualitative analysis, manuscript preparation
 - Outputs: 1 peer-reviewed manuscript, 1 book chapter, 1 practitioner article
- 2018 – 2020 **Research Assistant:** This Little Piggy Went Banking: Examining Conflicts of Interest in Financial Literacy Education Resources for Elementary School Teachers
- Principle Investigator: Dr. Pamela Beach & Dr. Gail Henderson (Queen's University)
 - Funding: *Social Science and Humanities Research Council (SSHRC), Insight Grant*
 - Method: survey
 - Role: quantitative analysis and manuscript preparation
 - Outputs: 1 peer-reviewed manuscript
- 2018 **Research Assistant:** Maximizing our investment in Canadian education: Strengthening student outcomes through a national research-practice network for teacher professional learning
- Principle Investigator: Dr. Christopher DeLuca (Queen's University)
 - Co-Applicants: Dr. Amanda Cooper (Queen's University), Dr. Joelle Rodway (Memorial University), Dr. Judy Halbert (Networks of Inquiry and Innovation), Dr. Lorna Earl (Canadian Assessment for Learning Network), Dr. Carol Campbell (University of Toronto), Dr. Don Klinger (University of Waikato), & Dr. Liying Cheng (Queen's University).
 - Funding: *Social Science and Humanities Research Council (SSHRC), Partnership Grant, Stage 1*
 - Role: Contributed to writing and submission of Stage 2 application
 - Outputs: *SSHRC Partnership Grant, Stage 2 application*
- 2017 **Research Assistant:** B.Ed./Dip.Ed. Developmental Program Evaluation
- Principle Investigators: Dr. Liying Cheng & Dr. Christopher DeLuca (Queen's University)
 - Method: survey and focus groups
 - Role: Quantitative and qualitative data analysis and report preparation
 - Outputs: 1 technical report
- 2017 **Research Assistant:** Constructing an Integrated Assessment Framework for Play-Based Kindergarten
- Principle Investigators: Dr. Christopher DeLuca (Queen's University), Dr. Angela Pyle (Ontario Institute of Technology)
- Funding: *Social Science and Humanities Research Council (SSHRC), Insight Grant*
 - Method: video-recording of ECE and kindergarten teachers' assessment practices during classroom play, focus groups, and interviews
 - Role: In-class observations and video recording

- 2016 – 2017 **Quantitative Consultant:** Sharing the Stories (Student’s Commission of Canada)
- Clients: YMCA Canada, Ontario Physical and Health Association
 - Method: Survey and interviews
 - Role: Quantitative data analysis and report preparation
 - Output: 3 technical reports
- 2015 – 2017 **Research Assistant:** Approaches to Classroom Assessment Inventory
- Principle Investigator: Dr. Christopher DeLuca (Queen’s University)
 - Funding: *Social Sciences and Humanities Research Council (SSHRC), Insight Grant*
 - Method: Survey
 - Role: Quantitative analysis and manuscript preparation
 - Outputs: 4 peer-reviewed manuscripts

Teaching Experience

Higher Education Teaching (Instructor)

Undergraduate

- 2018 **FOUN 101: Foundations of Assessment**
Queen’s University, Kingston, Ontario
- Co-instructed 599 students with a team of eight graduate student teaching assistants
 - Topics covered included: purposeful classroom assessment; how to enact fair assessment practices; the design, use, and scoring of rubrics; performance assessments; item and test construction; formative assessment practices; and grading and reporting.

Higher Education Teaching (Teaching Assistant)

Graduate

- 2019 **EDUC 892: Quantitative Methods**
Queen’s University, Kingston, Ontario
- Provided in-class support to M.Ed. and Ph.D. students (~20 students)

Undergraduate

- 2020 **PROF 501: Building a Professional Career as a Teacher**
Queen’s University, Kingston, Ontario
- Assessed student assignments and provided in-class support (~500 students)
- 2020 **CURR 386: Numeracy (Primary/Junior)**
Queen’s University, Kingston, Ontario
- Assessed student assignments and provided in-class support (~80 students)
- 2019, 2017,
2016, 2015 **FOUN 101: Foundations of Assessment**
Queen’s University, Kingston, Ontario
- Instructed one, two, or four tutorial sections (~40 students per section; number of sections varied by year), and assessed student assignments

- 2019, 2016 **FOUN 100: Psychological Foundations of Education**
Queen's University, Kingston, Ontario
- Instructed one or two tutorial sections (~40 students per section; number of sections varied by year) and assessed student assignments
- 2018, 2017, 2016 **CURR 384: Literacy and Numeracy**
Queen's University, Kingston, Ontario
- Assessed student assignments, guided lessons, provided in-class support (~40 students) and assessed student assignments
- 2017 **PROF 500: Supporting Learning Skills**
Queen's University, Kingston, Ontario
- Assessed student assignments and provided in-class support (~500 students)
- 2013 **EDUC 5442: Teaching English as a Second Language**
Mount Saint Vincent University, Halifax, Nova Scotia
- Assisted in revising syllabus and evaluated assignments (~20 students)

Invited Lectures

- 2019 *Test and Item Design for K-12 Teachers*, FOUN 101 (undergraduate), Queen's University
- 2019 *Classroom Assessment for English Language Learners*, PROF 506 (undergraduate), Queen's University
- 2019 *Understanding How Your Teaching Experience Have Shaped your Approach to Assessment*, FOCI 210 (undergraduate), Queen's University
- 2019 *Foundations of Reliability*, EDUC 940 (graduate), Queen's University
- 2019 *How Policy Shapes Teachers' Approaches to Assessment*, EDST 210 (undergraduate), Queen's University
- 2019 *Exploring your Approaches to Assessment*, EDST 210 (undergraduate), Queen's University
- 2018 *Classroom Assessment Research*, EDUC 809 (graduate), Queen's University
- 2018 *The Promise and Peril of Global Data Collection*, 4th Annual Data Day, Queen's University
- 2018 *Diversity of Voices*, Celebrating Graduate Studies, City of Kingston/Queen's University
- 2017 *Classroom Assessment*, PROF 310 (undergraduate), Queen's University
- 2015 *Journey of Hope*, Leukemia and Lymphoma Society of Canada, Halifax

Workshops

- 2020 *Latent Class Analysis Crash Course*, Statistical Teaching and Training for Students (S.T.A.T.S.), Queen's University
- 2020 *Accommodating and Modifying Assessment*, Practical Assessment Strategies Series, Faculty of Education, Queen's University
- 2020 *Answering your frequently asked classroom assessment questions*, Practical Assessment Strategies Series, Faculty of Education, Queen's University
- 2018 *Demystifying Statistics: So you have data, now what?*, Statistical Teaching and Training for Students (S.T.A.T.S.), Faculty of Education, Queen's University
- 2018 *Contemporary Classroom Assessment*, Concurrent Education Association, Queen's University
- 2017 *The Ins and Outs of Conferences*, Rosa Bruno-Jofre Symposium, Queen's University
- 2016 *How to Create and Present a Conference Poster*, Rosa Bruno-Jofre Symposium, Queen's University

K-12 Classroom Teaching

- 2014, 2011 **Substitute Teacher**
Armbrae Academy, Halifax, Nova Scotia, Canada
- Fulfilled regular duties of full-time teacher
- 2013 **Elementary Teacher** (Practicum)
Armbrae Academy, Halifax, Nova Scotia, Canada
- Grade 3 class with 15 students, 3 advanced mathematics students
- 2012 – 2013 **Elementary Teacher** (Practicum)
South Woodside Elementary School, Dartmouth, Nova Scotia, Canada
- Grade 5 class with 20 students and Grade 4 class with 27 students

Non-Classroom Teaching

- 2009 – 2015 **Pediatric Oncology Research Associate**
Berman Laboratory/IWK Health Centre, Halifax, Nova Scotia, Canada
- Interim lab manager (2011, 2013) and trained new lab members (Post-Doctoral, PhD, Master's, undergraduate Honours, and undergraduate co-operative education students)
- 2014 – 2015 **Red Cross First Aid Instructor**
Canadian Red Cross, Dartmouth, Nova Scotia, Canada
- Instructed Emergency, Standard, and Health Care Professional First Aid
- 2014 – 2015 **Halifax Grammar School Science Fair Mentor**
Halifax Grammar School, Halifax, Nova Scotia, Canada
- Mentored three Grade 8 students who went on to Winner the Halifax Grammar School Science Fair and receive the Medal of Excellence at the Halifax Sci-Tech Expo
- 2012 **Atlantic Region Women in Science and Engineering Camp Organizer**
Women in Science and Engineering, Halifax, Nova Scotia, Canada
- Created camp schedule and helped to design lesson plans and activities

Service

Editorships

2019	Managing Editor, <i>Canadian Journal of New Scholars in Education</i>
2018	Associate Editor, <i>Canadian Journal of New Scholars in Education</i>
2016 – 2018	Founder & Managing Editor, <i>Research in a Nutshell</i>
2015 – 2017	Editor, <i>Graduate Student Symposium Selected Papers</i>

Peer Review Activities

Academic Manuscripts

2020	<i>Teaching & Teacher Education</i> (n=2)
2020	<i>Educational Assessment</i> (n=1)
2020	<i>Educational Psychology Review</i> (n=1)
2020	<i>SAGE Open</i> (n=1)
2017 – 2020	<i>Studies in Educational Evaluation</i> (n=3)
2017 – 2019	<i>The Teacher Educator</i> (n=4)
2018	<i>Teaching Education</i> (n=1)
2015	<i>Disease Models & Mechanisms</i> (n=1)
2013	<i>Experimental Hematology</i> (n=1)
2010	<i>BioTechniques</i> (n=1)

Book Chapters

2020	V. Tavares (Ed.) (2020). <i>Multidisciplinary Perspectives on International Student Experience in Canadian Higher Education</i> . Pennsylvania: IGI Global. (1 chapter).
2019	G Harbaugh & U. Luhanga (Eds.) (2020). <i>Basic Elements of Survey Research in Education: Addressing the Problems Your Advisor Never Told You About</i> . North Carolina: Information Age Publishing Inc. (1 chapter).

Mentoring Activities

2016 – 2020	Graduate Student Mentor, Queen's University
2014 – 2015	Emma Cummings (B.Sc. Honours Student), Dalhousie University
2013 – 2014	Katherine Fraser (University Cooperative Student), IWK Health Centre
2012 – 2014	Gretchen Wagner (Research Technician), IWK Health Centre

University and Academic Community Involvement

2019 – 2020	Member, Faculty Board, Queen's University
2018 – 2020	Graduate Student Representative, Classroom Assessment Special Interest Group, American Educational Research Association (AERA)
2018 – 2019	Member, Graduate Studies and Research Committee, Queen's University
2019	Social Media Coordinator at AERA 2019 for Faculty of Education, Queen's University
2018 – 2019	Member, Library Advisory Committee, Queen's University
2018	Founder, Statistical Teaching and Training for Students, Queen's University
2017 – 2018	Coordinator, Assessment and Evaluation Group, Queen's University
2016 – 2018	Founder & Coordinator, Assessment & Evaluation Roundtables, Queen's University
2017	Host, Webinar for Prospective M.Ed. Students, Queen's University

2016 – 2017	Member, Renewal, Tenure, and Promotions Committee, Queen's University
2016	Reader, Teacher Candidate Personal Statements of Experience, Queen's University
2015	Reviewer, Research Ethics Review Board, Dalhousie University
2013 – 2016	Member, Hiring Committee, Dalhousie University Medical School Core Facility

Conference and Event Facilitation

2019	Submissions Committee Chair, Rosa Bruno-Jofre Symposium, Queen's University
2017	Advisory Committee, Kindergarten Forum for Action, University of Guelph
2017	Planning Committee, Academic Research Showcase, Queen's University
2016 – 2017	Advisory Committee, Rosa Bruno-Jofre Symposium, Queen's University
2016	Planning Committee, Schiralli Graduate Student Forum, Queen's University
2015 – 2016	Workshop Committee, Rosa Bruno-Jofre Symposium, Queen's University
2015 – 2016	Advisory Committee, Let's Talk Cancer, Queen's University
2015 – 2016	Advisory Committee, Canadian Assessment for Learning Network Conference (CA/LN), Queen's University

Discussant, Chair, and Conference Reviewer

2016 – present	Conference Reviewer, Canadian Society for the Study of Education (CSSE) <ul style="list-style-type: none"> • Canadian Educational Researchers' Association (CERA) • Canadian Association for Teacher Education (CATE) • Canadian Committee of Graduate Students in Education (CCGSE)
2019– present	Conference Reviewer, American Educational Research Association (AERA) <ul style="list-style-type: none"> • Classroom Assessment Special Interest Group • Educational Statisticians Special Interest Group • Division K – Section 5: Preservice Teacher Education Coursework
2019	Paper Session Chair, Rosa Bruno-Jofre Symposium, Queen's University
2018	Paper Discussant, EDUC 895 Roundtables, Queen's University
2017	Paper Session Chair, CERA-CSSE, University of Toronto
2017, 2016	Roundtable Session Chair, Rosa Bruno-Jofre Symposium, Queen's University
2017	Roundtable Discussant, Research Roundtable, Queen's University
2016	Conference Proposal Reviewer, Jean-Paul Dionne Symposium, University of Ottawa

Community Involvement

2018	Community Partner, Steer Clear of Drugs
2015 – 2016	Outreach Leader, Let's Talk Science
2015	LTRC Volunteer, International Language Testing Association
2014, 2013, 2012	Medical Research Representative, IWK Career Fair
2014, 2012	Discovery Days Consultant and Presenter, Dalhousie University
2012	IWK Representative, Halifax Chamber of Commerce

Professional Affiliations

2016 – present	American Educational Research Association (AERA) <ul style="list-style-type: none"> • Classroom Assessment Special Interest Group • Educational Statisticians Special Interest Group • Research on Teacher Induction Special Interest Group • Division D - Measurement and Research Methodologies • Division H – Research, Evaluation, and Assessment in Schools • Division K – Teaching and Teacher Education
2016 – present	Queen’s University Education Graduate Student Society (EGSS)
2015 – present	Canadian Society for the Study of Education (CSSE) <ul style="list-style-type: none"> • Canadian Association for Educational Psychology (CAEP) • Canadian Association for Teacher Education (CATE) • Canadian Educational Researchers’ Association (CERA) • Comparative and International Education Society of Canada (CIESC)
2015 – present	Queen’s University, Assessment and Evaluation Group (AEG)
2017 – 2019	Consortium for Research on Educational Assessment and Teaching Effectiveness (CREATE)
2015 – 2016	National Council on Measurement in Education (NCME)

Media Appearances

2018	Interview with <i>Teaching Academia</i> . June 1 st . https://goo.gl/Utpv3U
2018	Queen’s researchers to discuss ways they give VOICE to their research. <i>Queen’s Gazette</i> , May 1. https://goo.gl/nqny9q
2017	Graduate Student Spotlight. Canadian Educational Researchers’ Association. https://goo.gl/qQborv
2017	Interview with Colette Steer, CFRC 101.9FM on April 18 th . https://goo.gl/C4a1Kj

Certifications

2016	TCPS 2: CORE, Panel of Research Ethics
2016	Ethical Conduct for Research Involving Humans, Queen’s University
2016	Human Rights 101, Queen’s University Equity Office
2016	Accessible Instruction for Educators, Queen’s University Equity Office
2016	Employment Equity Training, Queen’s University Equity Office
2015	Health and Safety Awareness Training, Queen’s University Equity Office
2014	First Aid Instructor (EFA, SFA, HCP-FA), Canadian Red Cross
2014	Beyond the Hurt Prevention Educator, Canadian Red Cross
2014	10 Steps to Creating a Safe Environment, Canadian Red Cross
2014	Respect in Schools, Canadian Red Cross
2013	Improving Student Body Image and Mental Health, Mount Saint Vincent University
2013	Working with Challenging Parents, Mount Saint Vincent University