

A COMPENDIUM OF AGING-RELATED RESEARCH

YORK UNIVERSITY CENTRE FOR AGING RESEARCH AND EDUCATION (YU-CARE)

YU-CARE members study a vast span of themes and topics relevant to the aging experiences of peoples in Canada and around the world. This research is impactful at the individual, organizational, and societal levels.

Broadly, this research explores the themes of the psychology of aging; the physiology and biomechanics of aging; the cognitive neuroscience of aging; diversity; care work practices and delivery; and aging policy and healthy aging promotion.

The research included in this compendium is a complete resource of the **aging-specific** research produced by the YU-CARE Steering Committee and Associate members. However, it is only a snapshot of the broader research produced by the Centre's members, and is not inclusive of non-aging-specific research conducted by the faculty. Visit individual [faculty websites](#) for further details on such other groundbreaking works

*Authors shown in bold indicate a YU-CARE Committee or Associate member.

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THEME 1: THE PSYCHOLOGY OF AGING

Research explores the impact of the perception and stereotyping of aging on older adults; the role of mental illness and illnesses in the aging experience; psychosocial components that diversify the aging experience; and the role of drama and art in transforming care practices and the perception of aging by older adults and society.

1.1 THE ROLE OF DRAMA IN AGING

1. Kontos, P., Miller, K.-L., **Mitchell**, G. J., & Stirling-Twist, J. (2017). Presence redefined: The reciprocal nature of engagement between elder-clowns and persons with dementia. *Dementia, 16(1), 46–66.*
2. Dupuis, S.L., **Mitchell**, G.J., **Jonas-Simpson**, C.M., Whyte, C.P., Gillies, J.L., Carson, J.D. (2015). Igniting transformative change in dementia care through research-based drama. *The Gerontologist, 56:6, 1042-1052.*
3. Malone, M. R., & **Meisner**, B. A. (2015). Nebraska: Oscar® winning representations of aging and older adults. *Journal of Ethics in Mental Health, 10(1), 1-5.*
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5. **Mitchell**, G. J., Dupuis, S., & **Jonas-Simpson**, C. (2011). Countering stigma with understanding: The role of theatre in social change and transformation. *Canadian Theatre Review, 146.*
6. **Mitchell**, G. J., Dupuis, S., **Jonas-Simpson**, C., Whyte, C., Carson, J., & Gillis, J. (2011). The experience of engaging with research-based drama: Evaluation and explication of synergy and transformation. *Qualitative Inquiry, 17(4), 379–392.*
7. Kontos, P. C., **Mitchell**, G. J., Mistry, B., & Ballon, B. (2010). Using drama to improve person-centred dementia care. *International Journal of Older People Nursing, 5, 159-168.*
8. **Jonas-Simpson**, C. M. (2003). The Experience of Being Listened to: A Human Becoming Study with Music. *Nursing Science Quarterly, 16(3), 232–238.*
9. **Jonas-Simpson**, C. M. (2001). Feeling Understood: A Melody of Human Becoming. *Nursing Science Quarterly, 14(3), 222–230.*
10. **Jonas-Simpson**, C. (1997). Living the Art of the Human Becoming Theory. *Nursing Science Quarterly, 10(4), 175–179.*

1.2 PERCEPTION AND STEREOTYPING OF AGING

1. Massie, A. S.,* & **Meisner, B. A.** (2019). Perceptions of aging and experiences of ageism as constraining factors of moderate to vigorous leisure-time physical activity in later life. *Society & Leisure*, 42(1), 24-42. doi: 10.1080/07053436.2019.1582903 [Note: Special Issue on Social Participation, Leisure, and Active Aging]
2. Dogra, S., Al-Sahab, B., Manson, J., & **Tamim, H.** (2015). Aging expectations are associated with physical activity and health among older adults of low socioeconomic status. *Journal of Aging and Physical Activity*, 23(2), 180-186.
3. **Harris, L. R.**, Carenvale, M. J., D'Amour, S., Fraser, L. E., Harrar, V., Hoover, A. E., ... Mander, C. (2015). How our body influences our perception of the world. *Frontiers in Psychology*, 6.
4. Malone, M. R., & **Meisner, B. A.** (2015). Nebraska: Oscar® winning representations of aging and older adults. *Journal of Ethics in Mental Health*, 10(1), 1-5.
5. **Meisner, B.**, Weir, P., & Baker, J. (2013). The relationship between aging expectations and various modes of physical activity among aging adults. *Psychology of Sport and Exercise*, 14, 569-576.
6. **Meisner, B. A.**, & Baker, J. (2013). An exploratory analysis of aging expectations and health care behavior among aging adults. *Psychology & Aging*, 28(1), 99-104.
7. **Mitchell, G. J.**, Dupuis, S. L., & Kontos, P. C. (2013). Dementia discourse: From imposed suffering to knowing other-wise. *Journal of Applied Hermeneutics*.
8. Sparks, C. R., **Meisner, B. A.**, & Young, B. W. (2013). Investigating general and self-expectations regarding aging in a physical activity context. *International Journal of Sport Psychology*, 44(1), 17-36.
9. **Meisner, B. A.** (2012). A meta-analysis of positive and negative age stereotype priming effects on behavior among older adults. *The Journals of Gerontology, Series B: Psychological Sciences and Social Sciences*, 67(1), 13-17.
10. Leung, K. K., Finlay, J., Silvius, J. L., Koehn, S., McCleary, L., Cohen, C. A., ... **Persaud, M.** (2011). Pathways to diagnosis: exploring the experiences of problem recognition and obtaining a dementia diagnosis among Anglo-Canadians. *Health and Social Care in the Community*, 19(4), 372-381.
11. Horton, S., **Baker J.**, Pearce, W., & Deakin, J.M. (2010). Immunity to popular stereotypes of aging? Seniors and stereotype threat. *Educational Gerontology*, 36, 353-371.

12. Dogra, S., **Meisner, B.**, & **Baker, J.** (2008). Psychosocial predictors of physical activity in older aged asthmatics. *Age and Ageing, 37, 449-454.*
13. Horton, S., **Baker, J.**, & Côté, J., & Deakin, J.M. (2008) Understanding seniors' perceptions and stereotypes of aging. *Educational Gerontology, 34, 997-1017.*
14. Horton, S., **Baker, J.**, Pearce, G.W., & Deakin, J.M. (2008). On the malleability of performance: Implications for seniors. *Journal of Applied Gerontology, 27, 446-465.*

1.3 THE HUMAN BEING AND THE EXPERIENCE OF AGING

1. Verschoor CP, **Tamim H.** (2018). Frailty is inversely related to age at menopause and elevated in women who have had a hysterectomy: an analysis of the Canadian Longitudinal Study on Aging. *J Gerontol A Biol Sci Med Sci.* doi: 10.1093/gerona/gly092. [Epub ahead of print] PubMed [citation] PMID: 29688443.
2. Hutchinson, S. L., Lauckner, H., **Meisner, B. A.**, Gallant, K. A., & Silversides, C. (2017). Fostering self-determination and sense of belonging through leisure education: Reflections on the Steps to Connect program. *Society & Leisure, 40(3), 360-376.*
3. **Meisner, B.A.**, Dogra, S., Logan, A.J., **Baker, J.**, & Weir, P.L. (2010). Do or decline: Comparing the effects of physical inactivity on biopsychosocial components of successful aging. *Journal of Health Psychology, 15, 688-696.*
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5. **Daly, J.**, **Mitchell, G. J.**, & **Jonas-Simpson, C. M.** (1996). Quality of Life and the Human Becoming Theory: Exploring Discipline-Specific Contributions. *Nursing Science Quarterly, 9(4), 170-174.*

1.4 MENTAL ILLNESS, ILLNESS, AND THE AGING EXPERIENCE

1. Fiocco, A. J., & **Meisner, B. A.** (2020). Mindful aging: The association between trait mindfulness and expectations regarding aging among middle aged and older adults. *Aging & Mental Health, 24(4), 591-595.* doi: 10.1080/13607863.2018.1544216
2. **Tatham, E. L.**, **Shaikh, K. T.**, Vandermorris, S., Troyer, A. K., & **Rich, J. B.** (in press). Assessing one's sense of normalcy: Psychometric properties of the Subjective Normalcy Inventory. *Aging and Mental Health.* <https://doi.org/10.1080/13607863.2019.1699018>
3. **Gauthier, L.R.**, Dworkin, R.H., Warr, D., Pillai Riddell, R., Macpherson, A., Rodin, G., Zimmermann, C., Librach, S.L., Moore, M., Shepherd, F.A., & **Gagliese, L.** (April, 2018). Age-related patterns in cancer pain and its psychosocial impact: investigating the

- role of variability in physical and mental health quality of life. *Pain Medicine*, 19(4):658-676. (6 citations)
4. Marcia Rioux and Tamara **Daly** (2019) “Constructing Disability and Illness” in Staying Alive: Critical Perspectives on Health, Illness, and Health Care. Edition III Eds. Dennis Raphael, Toba Bryant and Marcia Rioux, Canadian Scholars Press, 305 – 324 -- Forthcoming December 2019.
 5. Fox, M.T., Al-Haj, M., & Ko, C. (2012). Why do Complex Continuing Care residents confine themselves to bed?” *Perspectives, Journal of the Canadian Gerontological Nursing Association*, 35(3), 16-17.
 6. Stone, R.C., **Meisner**, B.A. & **Baker**, J. (2012). Mood disorders among older adults participating in individual and group active environments: ‘Me’ versus ‘us’, or both? *Journal of Aging Research*.
 7. Lo, C., Lin, J., **Gagliese**, L., Zimmerman, C., Mikulincer, M., & Rodin, G. (2010). Age and depression in patients with metastatic cancer: the protective effects of attachment security and spiritual wellbeing. *Ageing and Society*, 30(2), 326-336.
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 10. **Proulx**, G.B. & Campbell, K.B. (1987). The management of apparent “paranoid” behavior in a patient with multi-infarct dementia. *Clinical Gerontologist*, 6:2, 119-128.

THEME 2: PHYSIOLOGY, BIOMECHANICS, AND AGING

Researchers investigate the pain and chronic pain experiences and attitudes of older adults; the effects of age on the physical body; and the impact of physical activity and exercise on older adults.

2.1 PAIN AND AGING

1. Gauthier, L.R., Dworkin, R.H., Warr, D., Pillai Riddell, R., Macpherson, A., Rodin, G., Zimmermann, C., Librach, S.L., Moore, M., Shepherd, F.A., & **Gagliese, L.** (April, 2018). Age-related patterns in cancer pain and its psychosocial impact: investigating the role of variability in physical and mental health quality of life. *Pain Medicine*, 19(4):658-676. (6 citations)
2. Goodall, S., Gauthier, L.R., Li, M., Connor, M., Chan, V., Easson, A., **Gagliese, L.** (May, 2018). The impact of inflammatory cytokines and biopsychosocial factors on acute pain after breast cancer surgery. *39th Annual Scientific Meeting of the Canadian Pain Society*, Montreal, QC. *Canadian Journal of Pain*, 2(1): A165.
3. **Gagliese, L.**, Gauthier, L. R., Narain, N., & Freedman, T. (2018). Pain, aging and dementia: Towards a biopsychosocial model. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, 87, 207-215.
4. Caraiscos, V. B., Rodin, G., Mischtelle, A., Yuen, D., Khan, S., Minden, M., Schimmer, A., **Gagliese, L.**, Rydall, A., Zimmermann, C. (June, 2014). Pain and its management in inpatients with acute leukemia. *Annual Meeting of the Multinational Association of Supportive Care in Cancer*, Miami, Florida. *Journal of Palliative Care* 30(3): 236
5. Gauthier, L. R., Dworkin, R. H., Warr, D., Riddell, R. P., Macpherson, A. K., Rodin, G., ... **Gagliese, L.** (2017). Age-Related Patterns in Cancer Pain and Its Psychosocial Impact: Investigating the Role of Variability in Physical and Mental Health Quality of Life. *Pain Medicine*, 19(4), 658-676.
6. **Gagliese, L.**, Gauthier, L. R., Narain, N., & Freedman, T. (2017). Pain, aging and dementia: Towards a biopsychosocial model. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*.
7. Mah, K.* , Tran, K.T.* , Gauthier, L.R., Rodin, G., Zimmermann, C., Warr, D.G., Librach, S.L., Moore, M.J., Shepherd, F.A., & **Gagliese, L.** (2017). Psychometric evaluation of the Pain Attitudes Questionnaire-Revised for younger and older people with advanced cancer. Submitted to *The Journal of Pain*. *Co-first authors

8. Gauthier, L.R., Dworkin, R.H., Warr, D., Pillai Riddell, R., Macpherson, A., Rodin, G., Zimmermann, C., Librach, S.L., Moore, M., Shepherd, F.A., & **Gagliese, L.** (2017) Age-related patterns in cancer pain and its psychosocial impact: investigating the role of variability in physical and mental health quality of life. Submitted to [Pain Medicine](#).
9. Hochman, J.R., Davis, A.M., Elkayam J., **Gagliese, L.**, & Hawker G.A., (2013) Neuropathic pain symptoms on the Modified painDETECT correlate with signs of central sensitization in knee osteoarthritis. [Osteoarthritis and Cartilage 21\(9\) S1: 1236-1242.](#)
10. **Gagliese, L.**, Katz, L., Gibson, M., Clark, A. J., Lussier, D., Gordon, A., & Salter, M. W. (2012). A brief educational intervention about pain and aging for older members of the community and health care workers. [Journal of Pain, 13\(9\), 849-856.](#)
11. **Gagliese, L.**, & Melzack, R. (2003). Age-related differences in the qualities but not the intensity of chronic pain. [Pain, 104, 597-608.](#)
12. **Gagliese, L.**, & Melzack, R. (1997). Chronic pain in elderly people. [Pain, 70, 3-14](#)
13. **Gagliese, L.**, & Melzack, R. (1997). Lack of evidence for age differences in pain beliefs. [Pain Research and Management, 2, 19-28.](#)
14. **Gagliese, L.**, & Melzack, R. (1997). Age differences in the quality of chronic pain. [Pain Research and Management, 2, 157-162.](#)
15. **Meisner, B. A.**, Linton, V., Séguin, A., & Spassiani, N. A. (2017). Examining chronic disease, pain-related impairment, and physical activity among middle-aged and older adults in Canada: Implications for current and future aging populations. [Topics in Geriatric Rehabilitation, 33\(3\), 182-192.](#)
16. Mah, K., Tran, K. T., Gauthier, L. R., Rodin, G., Zimmermann, C., Warr, D., ... & **Gagliese, L.** (2018). Do Correlates of Pain-Related Stoicism and Cautiousness Differ in Younger and Older People With Advanced Cancer?. [Journal of Pain, 19\(3\), 301-316.](#)
17. **Gagliese, L.** (2009). Pain and aging: The emergence of a new subfield of pain research. [Journal of Pain 10\(4\):343-53.](#)
18. **Gagliese, L.**, Jovellanos, M., Zimmermann, C., Shobbrook, C., Warr, D., Rodin, G. (2009) Age-related patterns in adaptation to cancer pain: A mixed-method study. [Pain Medicine 10\(6\): 1050-1061.](#)
19. **Gagliese, L.**, Gauthier, L., & Rodin, G.M., (2007). Cancer pain and depression: A systematic review of age-related patterns. [Pain Research and Management, 20\(3\), 205-211](#)

20. **Gagliese**, L., Weizblit, N., Ellis, W. & Chan, V. (2005). The measurement of postoperative pain: A comparison of intensity scales in younger and older surgical patients. [Pain, 117, 412-20.](#)

2.2 PHYSIOLOGY & BIOMECHANICS AND AGING

1. Erlich, A. T. and D. A. **Hood**. (2019). Mitophagy regulation in skeletal muscle: Effect of endurance exercise and age. [Journal of Science in Sport and Exercise.](#)
2. **Hood**, D.A., J.M. Memme, A.N. Oliveira and M. Triolo. (2019). Maintenance of skeletal muscle mitochondria in health, exercise, and aging. [Ann. Rev. Physiol. 81:19-41.](#)
3. Chen, C. C., Erlich, A. T., Crilly, M. J., & **Hood**, D. A. (2018). Parkin is required for exercise-induced mitophagy in muscle: Impact of aging. [American Journal of Physiology-Endocrinology and Metabolism, 315\(3\).](#)
4. Street BD, Adkin A, **Gage W**. (2018). Reported balance confidence and movement reinvestment of younger knee replacement patients are more like younger healthy individuals, than older patients. Gait and posture. 61:130-134.
5. Carter, H. N., Kim, Y., Erlich, A. T., Zarrin-Khat, D., & **Hood**, D. A. (2018). Autophagy and mitophagy flux in young and aged skeletal muscle following chronic contractile activity. [The Journal of Physiology, 596\(16\), 3567-3584.](#)
6. **Alkhalidi**, B., Kimball, SM, **Kuk JL** and Ardern CI.(2018). Lifetime risk of cardiometabolic mortality according to vitamin D status of middle and older-aged adults: NHANES III mortality follow-up (Journal of Steroid Biochemistry and Molecular Biology. pii: S0960-0760(18)30262-0. doi: 10.1016/j.jsbmb.2018.09.007.)
7. Street, B. D., & **Gage**, W. (2017). After total knee replacement younger patients demonstrate superior balance control compared to older patients when recovering from a forward fall. [Clinical Biomechanics, 44, 59-66.](#)
8. Huang J.H., A.-M. Joseph, V. Ljubicic, S. Iqbal, and D.A. **Hood**. Effect of age on the processing and import of matrix-destined mitochondrial proteins in skeletal muscle. [J. Gerontol. A Biol. Sci. Med. Sci. 65:138-46, 2010.](#)
9. **Scime**, A., Desrosiers, J., Trensz, F., Palidwor, G. A., Caron, A. Z., Andrade-Navarro, M. A., & Grenier, G. (2010). Transcriptional profiling of skeletal muscle reveals factors that are necessary to maintain satellite cell integrity during ageing. [Mechanisms of Ageing and Development, 131, 9-20.](#)
10. **Kuk**, J. I., Saunders, T. J., Davidson, L. E., & Ross, R. (2009). Age-related changes in total and regional fat distribution. [Ageing Research Reviews, 8\(4\), 339-348.](#)

11. **Kuk, J. L., & Arden, C. I.** (2009). Influence of age on the association between various measures of obesity and all-cause mortality. [American Geriatrics Society, 57, 2077-2084.](#)
12. **Kuk, J. L., Davidson, L. E., Hudson, R., Kilpatrick, K., Bacskai, K., & Ross, R.** (2008). Association between dietary fat intake, liver fat, and insulin sensitivity in sedentary, abdominally obese, older men. [Applied Physiology, Nutrition, and Metabolism, 32\(2\), 239-245.](#)
13. **Kuk, J. L., Lee, S., Heymsfield, S. B., & Ross, R.** (2005). Waist circumference and abdominal adipose tissue distribution: influence of age and sex. [American Society for Clinical Nutrition, 81, 1330-1334.](#)
14. Brown, L., **Gage, W., Polych, M., Sleik, R., & Winder, T.** (2002). Central set influences on gait: Age-dependent effects of postural threat. [Experimental Brain Research, 145\(3\), 286-296.](#)

2.3 PHYSICAL ACTIVITY AND AGING

1. Dixon, J., Horton, S., Chittle, L., & **Baker, J.** (2020). *Relative age effects in sport: International perspectives*. Routledge/Taylor and Francis.
2. **Hood, D.A., J.M. Memme, A.N. Oliveira and M. Triolo.**(2019). Maintenance of skeletal muscle mitochondria in health, exercise, and aging. [Ann. Rev. Physiol. 81:19-41.](#)
3. Chen, C.C.W., A. T. Erlich, M. J. Crilly and **D. A. Hood.**(2018). Parkin is required for exercise-induced mitophagy in muscle: impact of aging. [Am. J. Physiol. \(Endocrin. Metab.\) 315:E404-E415.](#)
4. Chen C.C.W., A.T. Erlich and **D.A. Hood.**(2018). Role of Parkin and endurance training on mitochondrial turnover in skeletal muscle. [Skelet. Muscle 8:10.](#)
5. Kim, Y., Triolo, M., & **Hood, D. A.** (2017). Impact of Aging and Exercise on Mitochondrial Quality Control in Skeletal Muscle. [Oxidative Medicine and Cellular Longevity, 2017, 1-16.](#)
6. Carter, H. N., Chen, C. C., & **Hood, D. A.** (2015). Mitochondria, muscle health, and exercise with advancing age. [Physiology, 30\(3\), 208-223.](#)
7. Brown, R. E., Riddell, M. C., Macpherson, A. K., Canning, K. L., & **Kuk, J. L.** (2013). The association between frequency of physical activity and mortality risk across the adult age span. [Journal of Health and Aging, 25\(2\), 803-814.](#)

8. Meisner, B.A., Dogra, S., Logan, A.J., Baker, J., & Weir, P.L. (2010). Do or decline: Comparing the effects of physical inactivity on biopsychosocial components of successful aging. [Journal of Health Psychology, 15, 688-696.](#)
9. Davidson LE, Hudson R, Kilpatrick K, et al. Effects of Exercise Modality on Insulin Resistance and Functional Limitation in Older Adults: A Randomized Controlled Trial. [Arch Intern Med. 2009;169\(2\):122–131.](#)
10. Baker, J., Meisner, B., Logan, J. Kungl, A.M., & Weir, P. (2009). Physical activity and successful aging in Canadian seniors. [Journal of Aging and Physical Activity, 17, 223-235.](#)

THEME 3: THE COGNITIVE NEUROSCIENCE OF AGING

Among several topics, studies investigate memory changes; motor coordination; perception; attention; learning; and executive function among older adults. Related research explores different cognitive therapies and treatments.

3.1 ATTENTION

1. Turner, G.R., Novakovic-Agopian, T., †Kornblith E., †Adnan A., Madore, M., Chen, A.J.W., & D'Esposito, M. (2019). Goal-Oriented Attention Regulation (GOALS) training in older adults. *Aging and Mental Health*. doi: 10.1080/13607863.2018.1534080
2. Spreng, R., Stevens, W., Viviano, J. D., & Schacter, D. L. (2016). Attenuated anticorrelation between the default and dorsal attention networks with aging: evidence from task and rest. [Neurobiology of Aging, 45, 149-160.](#)
3. Kim, T. H., Pascual-Leone, J., Johnson, J., & Tamim, H. (2016). The mental-attrition Tai Chi effect with older adults. [BMC Psychology, 4\(29\).](#)
4. McLaughlin, P.M., Anderson, N.D., Rich, J.B., Chertkow, H., & Murtha, S.J.E. (2013). Visual selective attention in amnestic mild cognitive impairment. [Journals of Gerontology, Series B: Psychological Sciences and Social Sciences, 69\(6\), 881–891.](#)
5. McLaughlin Paula M., Anderson, Nicole D. Rich, Jill B., Chertkow, Howard, Murtha, Susan J. E. (2014) Visual Selective Attention in Amnestic Mild Cognitive Impairment. [The Journals of Gerontology Series B: Psychological Sciences and Social Sciences, 69 \(6\), 881-891.](#)

6. Levinoff, E. J., Li, K. Z. H., **Murtha, S.**, & Chertkow, H. (2004). Selective Attention Impairments in Alzheimer's Disease: Evidence for Dissociable Components. *Neuropsychology, 18(3), 580-588.*

3.2 MOTOR COORDINATION

1. Hurtubise JM, Gorbet DJ, Hynes L, Macpherson AK, **Sergio LE** (2020) White matter integrity and its relationship to cognitive-motor integration in females with and without post-concussion syndrome (In press, Journal of Neurotrauma, <https://doi.org/10.1089/neu.2019.6765>)
2. Rogojin A, Gorbet DJ, **Sergio LE** (2019) Sex, APOE, and dementia family history: Relationship between dementia risk and cognitive-motor integration performance. Rotman Research Institute Conference on Aging & Brain Health: Prevention & Early Detection of Dementia, Toronto, March 2019
3. Echlin HE, Gorbet DJ, **Sergio LE** (2020) Assessment of a Cognitive-Motor Training Program in Adults At-Risk for Developing Dementia (in press, Canadian Geriatrics Journal)
4. de Boer C, Echlin H, V, Rogojin A, Baltaretu B, R, **Sergio L, E**: Thinking-While-Moving Exercises May Improve Cognition in Elderly with Mild Cognitive Deficits: A Proof-of-Principle Study. *Dement Geriatr Cogn Disord Extra 2018;:248-258.*
5. **Mostafa AA, 't Hart BM, Henriques DYP**. Motor Learning Without Moving: Proprioceptive and Predictive Hand Localization After Passive Visuoproprioceptive Discrepancy Training. PLoS One. doi: <https://doi.org/10.1101/384941>, 2019
6. **Modchalingam S, Vachon C, 't Hart BM, Henriques DYP**. The effects of awareness of the perturbation during motor adaptation on hand localization. PLoS One, <https://doi.org/10.1371/journal.pone.0220884>, 2019.
7. Hawkins KM, **Sergio LE** (2016) Changes in resting-state functional connectivity associated with cognitive-motor impairment in older adults at increased Alzheimer's disease risk. *J. Alz. Dis.; Jun 18;53(3):1161-72.*
8. Hawkins, K. M., Goyal, A., & **Sergio**, L. E. (2015). Diffusion tensor imaging correlates of cognitive-motor decline in normal aging and increased Alzheimer's disease risk. *Journal of Alzheimer's Disease, 44(3), 867-878.*
9. Schorer, J. & **Baker**, J. (2009). Aging and perceptual-motor expertise in handball goalkeepers. *Experimental Aging Research, 35, 1-19.*
10. Horton, S., Baker, J., & Schorer, J. (2008). Expertise and aging: Maintaining skills throughout the lifespan. *European Review of Aging and Physical Activity, 5, 89-96.*

3.3 EXECUTIVE FUNCTIONING

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3.6 PERCEPTION

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THEME 4: DIVERSITY AND AGING

Research covers a variety of topics related to the diversity of experiences in aging; the psycho-socio-economic barriers to successful and healthy aging; and the role of community programs in contributing to the lives of older adults.

4.1 DIVERSITY IN THE AGING EXPERIENCE

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4.2 PSYCHO AND SOCIOECONOMIC CONDITIONS OF HEALTHY AGING

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4.3 ROLE OF COMMUNITY PROGRAMS IN OLDER ADULT LIVING

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THEME 5: CARE WORK, PRACTICES, AND DELIVERY

Research explores topics including the impact of care work policies and regulations on work organization and working conditions; the relationship between labour, gender, and precarity in the field; and the impact of care delivery models on workers and the quality of geriatric care.

5.1 CARE WORK POLICIES & THEIR IMPACT

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5.2 LABOUR, GENDER, AND PRECARITY

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THEME 6: AGING POLICY AND HEALTHY AGING PROMOTION

Research concentrates on such topics including the impact of retirement and pension policies on older adults and the economy; the effect of long-term care policies and regulations on older adults; and sports & leisure programs that promote healthy aging.

6.1 EMPLOYMENT, RETIREMENT & AGING

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6.2 Sports & Leisure Programs for Healthy Aging

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3. Pat Armstrong, Hugh Armstrong, Tamara Daly, Jacqueline Choiniere (2019) “Political Economy and Health”, for Change and Continuity: Canadian Political Economy in the New Millennium ed. by Mark Thomas, Leah F. Vosko, Carlo Fanelli, McGill Queen’s University Press, pp 229-244.
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