

The Year in Review



2017

Department of Psychology

Welcome From The Chair

The address for the York University Psychology Department is on our Keele Campus in Toronto Ontario Canada but we are really located in the inspired efforts of our faculty, our contract instructors, our staff and our students. Our strength comes from our diversity, both in the voices of the people who are our department and in the breadth of interests which we explore. From studies in outer space to inner space. From what makes seniors trip and fall to what makes memories break. From studies of infancy to mental health disorders of childhood through the challenges of adolescence to adulthood and old age. From bilingualism to perfectionism. From pain to resilience. From how we see to how we are seen. From what enhances empathy to how emotional-focus helps us change.

Our intellectual journeys lead us to embrace quantitative and qualitative scientific understandings. We study at cellular and molecular levels and use advanced neuroscience technology. We engage the humanity which makes us people but are also fascinated by animals and the eco-system that supports us. We look back both appreciatively and critically at our rich historical legacies to inform our forward outlooks. Our scholars are concerned with the major issues that our society faces, from bullying to racism, asking questions that really matter and preparing students to be thoughtful and active.

We are not content to just talk the talk, but we walk the walk in developing research in our local communities, in collaborations with colleagues around our nation and in countries throughout the globe. Our QS World University Ranking was in the top 100 of all Psychology Departments, reflecting our collective accomplishments and the accumulated intensity of our research and practice. We hope you enjoy the glimpse of Psychology at York University that is provided through these pages and that it inspires you to speak with us and come visit us in person soon.

Dr. Joel Goldberg

Chair,
Department of Psychology



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Research Accomplishments

Brain, Behaviour, & Cognitive Sciences (BBCS)

*Adams, L., Wilkinson, F.E. & MacDonald, S.E. (2017). Limits of spatial vision in orangutans (*Pongo abelii*). *Animal Behavior and Cognition*, 4(3): 204-222.

*Almazen, E.J., Tal, R., Qian, Y. & Elder, J.H. (2017) MCMLSD: A dynamic programming approach to line segment detection. IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2031-2039. (Acceptance Rate: 29%)

Cappadocia DC, Monaco S, Chen Y, Blohm G, Crawford JD. (2017) Temporal Evolution of Target Representation, Movement Direction Planning, and Reach Execution in Occipital-Parietal-Frontal Cortex: An fMRI Study. *Cereb Cortex*. 27(11):5242-5260.

Chen Y, Crawford JD. (2017) Cortical Activation during Landmark-Centered vs. Gaze-Centered Memory of Saccade Targets in the Human: An FMRI Study. *Front Syst Neurosci*. 11:44.

*Corral-Soto, E.R. & Elder, J.H. (2017) Slot Cars: 3D Modelling for Improved Visual Traffic Analytics. IEEE Conference on Computer Vision and Pattern Recognition Workshops (CVPRW), 889-897.

*Curtis, Ashley F., Turner Gary R., Park Norman W., & Murtha Susan J.E. (2017) Improving visual spatial working memory in younger and older adults: effects of cross-modal cues. *Aging, Neuropsychology, and Cognition*. To link to this article: <https://doi.org/10.1080/13825585.2017.1397096>

*D'Amour S, Harris LR (2017) "Perceived face size in healthy adults". *PLoS ONE* 12 (5) e0177349

*Dupuis-Desormeaux, M., Elia, V., Cook, C., Pearson, J., Adhikari, V., & MacDonald, S.E. (2017). Remarkable male bias in a population of midland painted turtles (*Chrysemys picta marginata*) at a site with a history of significant wildlife-vehicle collisions in Ontario, Canada. *Herpetological Conservation and Biology*, 12(1): 225-232.

Note: Faculty members' names are in red; Psychology students' names have a red asterisk next to them.

Research Accomplishments

BBCS Continued...

Elasal, N. & **Elder, J.H.** (2017) Estimating camera pose from motion without tracking. Proc. 14th Conference on Computer and Robot Vision (CRV), IEEE, 72-79. (Oral Acceptance Rate: 35%)

Ferré ER, **Harris LR** (2017) (eds.) *Vestibular Cognition*. Brill. ISBN-10: 9004342230; ISBN-13: 978-9004342231

*Fraser LE, **Harris LR** (2017) "The effect of hand position on perceived finger orientation in left- and right-handers". [Experimental Brain Research epub ahead of publication](#) doi: 10.1007/s00221-017-5090-5

Harris LR, Sakurai K, Beaudot WHA (2017) "Tactile flow overrides other cues to self motion". [Scientific Reports 7: 1059](#)



A photo of the 2017 week-long Centre for Vision Research (CVR) Summer School focusing on vision science

Research Accomplishments

BBCS Continued...

Li J, Sajad A, Marino R, Yan X, Sun S, Wang H, Crawford JD. (2017) Effect of allocentric landmarks on primate gaze behavior in a cue conflict task. *J Vis.* 17(5):20

*McLaughlin Paula M., *Curtis Ashley F., *Branscombe-Caird Laura M., *Comrie Janna K., and Murtha Susan J.E. (2017) The feasibility and potential impact of brain training games on cognitive and emotional functioning in middle-aged adults. *Games for Health Journal.* <http://online.liebertpub.com/doi/pdfplus/10.1089/g4h.2017.0032>

*McManus M, *D'Amour S, Harris LR (2017) "Using optic flow in the far peripheral field". *Journal of Vision.* 17 (8):3, 1-11 doi: 10.1167/17.8.3

What was your most exciting research finding or activity this past year?

Our novel MCMLSD algorithm outperforms the state of the art by almost 50%. This algorithm enables new computer vision algorithms that mimic human ability to see 3D scene layout from a single image.- Dr. James Elder

Please inform us about a highlight you/your lab has accomplished over the past year that you feel is particularly noteworthy.

The day of her convocation in November 2017 my graduate student Ashley Curtis received notification that her first manuscript based on some of her dissertation research findings was accepted for publication just 3 months after her oral defence. For me, this was reinforcing of the strategy to have graduate students write their dissertation incorporating proposed manuscripts as chapters bookended by a more general introduction and discussion sections. It seems to me that this helps/encourages them to submit manuscripts for publications, work on rewrites, etc., all before it becomes a distant memory as they strive to move on in their careers. - Dr. Susan Murtha

What was your most exciting research finding or activity this past year?

As Scientific Director of VISTA, overseeing the creation and implementation of our internal grant, fellowship, scholarship, and travel award programs, the organization of VISTA conference, summer school and partner retreat, and the hiring of new VISTA faculty and research staff.- Dr. Doug Crawford

Research Accomplishments

BBCS Continued...

Wilcox, LM, *Hartle B, Solski A, *Mackenzie KJ, and Giaschi D (2017). Disparity Configuration Influences Depth Discrimination in Naive Adults, but not in Children. *Vision Research*, 131, 106-119.

*Wong, N.A., *Rafique, S.A., *Kelly, K.R., *Moro, S.S., Gallie, B.L. & **Steeves, J.K.E.** (2018). Altered white matter structure in the visual system following early monocular enucleation. *Human Brain Mapping*, 39:133-144.



Using the Oculus HMD (right) and Vive HMD (left) in the **Wilcox Lab**

Research Accomplishments

Clinical Psychology

*Ahmad, S., Fergus, K., *Shatokhina, K., & Gardner, S. (2017). The closer 'We' are, the stronger 'I' am: The impact of couple identity on cancer coping self-efficacy. *Journal of Behavioral Medicine*, 40, 403-413.

*Azam, M.A., *Weinrib, A.Z., *Montbriand, J., *Burns, L.C., McMillan, K., Clarke, H., & Katz, J. (2017). Acceptance and Commitment Therapy to manage pain and opioid use after major surgery: Preliminary outcomes from the Toronto General Hospital Transitional Pain Service. *Canadian Journal of Pain*, 1(1), 37-49.
<http://dx.doi.org/10.1080/24740527.2017.1325317>

Bernstein, L. J., *McCreath, G., *Komeylian, Z., & Rich, J.B. (in press). Cognitive impairment in breast cancer survivors treated with chemotherapy depends on control group type and cognitive domains assessed: A multilevel meta-analysis. *Neuroscience & Biobehavioral Reviews*.

*Curtis, K., Hitzig, S.L., Bechsgaard, G., *Stoliker, C., Alton, C., Saunders, N., Leong, N., & Katz, J. (2017). Evaluation of a specialized yoga program for persons with spinal cord injury: A pilot, randomized controlled trial. *Journal of Pain Research*, 10, 999-1017. DOI <https://doi.org/10.2147/JPR.S130530>

Craparo, G., Palmira, F., Alessio, G., *Hunter, J. A., *Hunter, A., Pileggi, V.,...Eastwood, J.D. (2017). Validation of the Italian version of the Multidimensional State Boredom Scale (MSBS). *Clinical Neuropsychiatry*, 14(2), 49-58.

Fergus, K.D., *Ahmad, S., *Ilanakieva, I.R., McLeod, D., & Carter, W. (2017). Metaphor and meaning in an online creative expression exercise to promote dyadic coping in young couples affected by breast cancer. *Arts and Health*, 9, 139-153.

*Fernandes, H., Park, N.W., & Almeida, Q.J. (2017). Effects of practice and delays on learning and retention of skilled tool use in Parkinson's disease. *Neuropsychologia*, 96, 230-239

Research Accomplishments

Clinical Psychology

*Flett A.R, *Atkey SJ & **Goldberg, JO** (in press) Self-Stigma in youth: Prevention, intervention and the relevance for schools. In A. Leschied, D.H. Saklofske & G.L. Flett (eds.), *Handbook of School-based Mental Health Promotion: An evidence-informed framework for implementation*. Springer Publishing

*Hara, K.M., *Aviram, A., Constantino, M.J., **Westra, H.A.** & Antony, M.M. (2017). Empathy, homework compliance and outcome in cognitive behavioral therapy for generalized anxiety disorder: Partitioning within- and between-therapist effects. *Cognitive Behavior Therapy*, *46*, 375-390.

Heinrichs, R.W., *Pinnock, F. & *Parlar, M. (2017). Schizophrenia spectrum and other psychotic disorders. In David Dozois (Ed.), Abnormal psychology: perspectives (6th edition). Toronto: Pearson. In press.

Heinrichs, R.W., *Parlar, M. & *Pinnock, F. (2017). Normal range declarative verbal memory in schizophrenia. Neuropsychology, *31*, 778-786



From left: *Melissa Parlar, *Farena Pinnock, Dr. Narmeen Ammari, & **Dr. Walter Heinrichs** at Dr. Ammari's successful PhD Defence

Research Accomplishments

Clinical Continued...

Gilboa, A., **Rosenbaum, R.S.**, & Mendelsohn, A. (2018). Autobiographical memory: from experiences to brain representations. *Neuropsychologia*.

Heinrichs, R.W., *Pinnock, F., *Parlar, M., Hanford, L., Hall, G., & Hawco, C. (2017). Cortical thinning in network-associated regions in cognitively normal and below-normal range schizophrenia. *Schizophrenia Research and Treatment*, 2017, 1-7. (open access)

Hsu, C.F., **Eastwood, J. D.**, & **Toplak, M. E.** (2017). Differences in perceived mental effort required and discomfort during a working memory task between individuals at-risk and not at-risk for ADHD. *Frontiers in Psychology*, 407.

*Hunter, A.G., *Hunter, J.A., & **Eastwood, J.D.** (2017). Boredom propensity. In *Encyclopedia of Personality and Individual Differences*. Springer International Publishing. doi: 10.1007/978-3-319-28099-8_1050-1

Katz, J. (2017). 2016 CPA Donald O. Hebb Award for Distinguished Contributions to Psychology as a Science. This won't hurt a bit: Reflections on a career in chronic pain. *Canadian Psychology*, 58(1), 30-39. <http://dx.doi.org/10.1037/cap0000088>

*Male, D., **Fergus, K.D.**, & Stephen, J. (2017). Professional online support group facilitators: Guarantors of maximal group utility. *International Journal of Group Psychotherapy*, 67, 314-336.

Mills, J.S., *Vu, N., Manley, R., & Tse, S. (2017). Adolescent and young adult women's opinions of common eating disorder prevention messages. *Eating Disorders: The Journal of Treatment and Prevention*. DOI: 10.1080/10640266.2016.1269549

Mills, J.S., *Shannon, A., & *Hogue, J. (2017). Beauty, body image, and the media. In *Perception of Beauty*, M.P. Levine (Ed.), InTech, DOI: 10.5772/intechopen.68944. Available from: <https://www.intechopen.com/books/perception-of-beauty/beauty-body-image-and-the-media>

Rosenbaum, R.S., & Moscovitch, M. (2018). Lessons learned from the case K.C. In S.E. MacPherson and S. Della Sala (Eds.), *Remembering single case amnesic patients: can they still contribute to current memory models?* Taylor and Francis.

Research Accomplishments

Clinical Continued...

*Rosenbloom, B.N., McCartney, C.J.L., Canzian, S., Kreder, H.J., & **Katz, J.** (2017). Predictors of prescription opioid use 4 months after traumatic musculoskeletal injury and corrective surgery: A prospective study. *Journal of Pain*, 2017, Aug;18(8), 956-963. [doi: 10.1016/j.jpain.2017.03.006](https://doi.org/10.1016/j.jpain.2017.03.006). Epub 2017 Mar 25.

*Shannon A, **Goldberg JO** & **Flett GL** (2017, June). Mental health matters: Mattering and stigma of mental illness in university students. Poster presented at the Canadian Psychological Association convention, Toronto, Ontario, Canada.

*Tatham, E. L., Vandermorris, S., *Shaikh, K. T., Troyer, A. K., & **Rich, J.B.** (2017, Jun). *Development and validation of the Psychological Normalization Inventory*. Poster presented at the Canadian Psychological Association, Toronto, Canada.

*Weinrib, A.Z., *Azam, M.A., Birnie, K., *Burns, L.C., Clarke, H., & **Katz, J.** (2017). The psychology of persisting post-surgical pain: New frontiers in risk factor identification, prevention, and management. *British Journal of Pain*, 11(4), 169-177. [doi/10.1177/2049463717720636](https://doi.org/10.1177/2049463717720636)

Westra, H.A. & *Norouzian, N. (2017). Using motivational interviewing to manage process markers of ambivalence and resistance in Cognitive Behavioral Therapy. Invited paper for Special Series on Process Research in CBT, edited by N. Kazantzis, *Cognitive Therapy and Research*. Online First @ <http://link.springer.com/article/10.1007/s10608-017-9857-6>



The York-Baycrest Memory and Aging Lab led by **Dr. Jill Rich**

Research Accomplishments

Clinical Continued...

*Yao, C., Bernstein, L. J., & Rich, J.B. (2017). Executive functioning impairment in women treated for breast cancer with chemotherapy: A systematic review. *Breast Cancer Research and Treatment*. <https://doi.org/10.1007/s10549-017-4376-4>

*Zhao, W & Goldberg JO (2017, June). Self-compassion, self-esteem and self-stigma associated with mental illness. Poster presented at the Canadian Psychological Association convention, Toronto, Ontario, Canada.

Health Psychology Lab Groups



Department of Psychology
Faculty of Health
Human Pain Mechanisms Lab



Left: The Human Pain Mechanisms Lab led by Dr. Joel Katz

Right: The Psychosocial Oncology Laboratory led by Dr. Karen Fergus



Research Accomplishments

Clinical-Developmental Psychology

Bohr, Y., *Dhayanandhan, B., *Kanter, D., Holigrocki, R., Armour, L., & Baumgartner, E. (in press). Mapping the Attributions of Parents: A Client-Centered dynamic assessment approach to supporting vulnerable caregivers and infants. *Person-Centered and Experiential Psychotherapies*.

Bohr, Y., Liu, C., Chen, S. & Wang, L. (in Press). Satellite Babies: Costs and benefits of culturally driven parent-infant separations in North American immigrant families. In de Guzman, M.R.T., Brown, J. & Pope Edwards, C. (Editors). *Parenting From Afar: The Reconfiguration of the Family Across Distance*. Oxford University Press.

Classen, C. C., **Muller, R. T.**, Field, N. P., Clark, C., & Stern, E. M. (2017). A naturalistic study of a brief treatment program for survivors of complex trauma. *Journal of Trauma and Dissociation*, 18, 720-734 (<http://dx.doi.org/10.1080/15299732.2017.1289492>).

*Haner, D. & **Pepler, D.** (in press). Adolescents show positive changes in distress and hope after single session, post-based, anonymous counselling at Kids Help Phone, *Children and Youth Services Review*.

*Keating, L., **Muller, R. T.**, & Classen, C. C. (2017). Changes in attachment organization, emotion dysregulation, and interpersonal problems among women in treatment for abuse. *Journal of Trauma & Dissociation* <http://dx.doi.org/10.1080/15299732.2017.1331946>.

*Lee, Y., Putnick, D. L., Bornstein, M. H., & **Bohr, Y.** (2017, Dec). *Agreement and disagreement between measures of maternal sensitivity*. Poster presented at the 2017 ZERO TO THREE's Annual Conference, San Diego, CA.

*Maughan, A. & **Weiss., J.A.** (2017). Parental outcomes following participation in cognitive behavioural therapy for children with autism spectrum disorder. *Journal of Autism and Developmental Disorders*, 47(10), 3166-3179.
doi: 10.1007/s10803-017-3224-z

Research Accomplishments

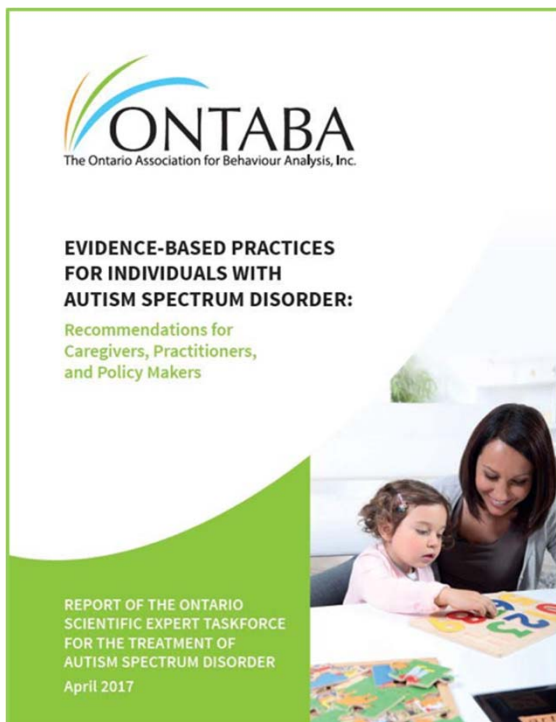
Clinical-Developmental Continued...

*Ncube, B., Perry, A., & Weiss, J. (in press). Quality of life of children and youth with severe developmental disabilities. **Journal of Intellectual Disability Research.**

Pepler, D., Craig, W., Cummings, J., Petrunka, K., & Garwood, S. (2017). Mobilizing Canada to promote healthy relationships and prevent bullying among children and youth. In P. Sturmey (Ed.) *The Wiley Handbook of Violence and Aggression, Volume 3: Societal Interventions.*

Perry, A., Koudys, J., *Prichard, E.A., & *Ho, H. (in press). Follow-up study of youth who received EIBI as young children. *Behavior Modification.*

Perry, A., Koudys, J., Dunlap, G., & Black, A. Chapter 16. Autism Spectrum Disorder. (2017). In M. Wehmeyer, K. Shogren, & A. Fung (Eds.). *A Comprehensive Guide to Intellectual and Developmental Disabilities.* Baltimore, MD: Brookes.



Dr. Adrienne Perry was a co-author for the Ontario Scientific Expert Task-force for the Treatment of Autism Spectrum Disorder. ***Evidence-based practices for individuals with ASD: Recommendations for caregivers, practitioners, and policy makers"*** (available at www.ontaba.org) Association for Behaviour Analysis' (ONTABA)

Research Accomplishments

Clinical-Developmental Continued...

*Riddell, J., Salamanca, A. Pepler, D., Cardinal, S. & Mclvor, O. (2017). Laying the groundwork: A practical guide for ethical research with indigenous communities. e *International Indigenous Policy Journal*, 8. Retrieved from: <http://ir.lib.uwo.ca/iipj/vol8/iss2/6> DOI: 10.18584/iipj.2017.8.2.6

*Rizeq, J., Flora, D.B., & Toplak, M.E. (2017). Changing relations among cognitive abilities across development: Implications for measurement and research. *The Clinical Neuropsychologist*, 8, 1353-1374.

*Waxman, J.A., *DiLorenzo, M.G., Pillai Riddell, R.R., Flora, D.B., Garfield, H., & Greenberg, S. (2017). Preschool needle pain responding: Establishing 'normal'. *The Journal of Pain*, 18, 739-745.

*Waxman, J.A., *DiLorenzo, M.G., Pillai Riddell, R.R., Flora, D.B., Garfield, H., & Greenberg, S. (2017). Preschool needle pain responding: Establishing 'normal'. *The Journal of Pain*, 18, 739-745.

*Taheri, A., Minnes, P., & Perry, A. (2017). Exploring factors that impact activity participation of children and adolescents with severe developmental disabilities. **Journal of Intellectual Disability Research**. DOI: 10.1111/jir.12437

Research Accomplishments

Clinical-Developmental Continued...

*Ting, V., & Weiss, J. A. (2017). Emotion regulation and parent co-regulation in children with autism spectrum disorder. *Journal of Autism and Developmental Disorders*, 47(3), 680-689. doi: 10.1007/s10803-016-3009-9

*Tint, A., *Thomson, K., & Weiss, J. A. (2017). A systematic literature review of psychosocial and physical correlates of Special Olympics participation among Individuals with intellectual disability. *Journal of Intellectual Disability Research*, 61(4), 301-324. doi: 10.1111.jir.1229

Wojtowicz, M., Silverberg, N., Bui, E., Zafonte, R., Simon, N., Iverson, G.L. (2017) Psychiatric Comorbidity and Psychosocial Problems Among Treatment-Seeking Veterans With a History of Mild Traumatic Brain Injury. *Focus: The Journal of Lifelong Learning in Psychiatry*. 15(4): 384-389. DOI 10.1176/appi.focus.20170028

*Zorzella, K.P.M., *Rependa, S. L., & Muller, R. T. (2017). Therapeutic alliance over the course of child trauma therapy from three different perspectives. *Child Abuse and Neglect*, 67,147-156 (doi: 10.1016/j.chiabu.2017.02.032 0145-2134).



Members of the Bohr Lab experimenting with the lab's new rented robo-infant, which will be used for some aspects of parents and technology research.

Research Accomplishments

Developmental Science

Agostino, A., Johnson, J., Im-Bolter, N., Walker, E., & Pascual-Leone, J. (2017, May). *Multiplication reasoning abilities and the role of mental attention*. Poster presented at the meetings of the Association for Psychological Science, Boston, MA.

Arsalidou, M., *Pawliw-Levac, M., *Sadeghi, M., Pascual-Leone, J. (2017). Brain areas associated with numbers and calculations in children: Meta-analyses of fMRI studies. *Developmental Cognitive Neuroscience*. <https://doi.org/10.1016/j.dcn.2017.08.002>

Bialystok, E. (2017). The bilingual adaptation: How minds accommodate experience. *Psychological Bulletin*, 143, 233-262.

Bialystok, E., & Sullivan, M.D. (Eds.) (2017). *Growing old with two languages: Effects of bilingualism on cognitive aging*. Amsterdam: John Benjamins Publishing.

Corral-Soto, E.R. & Elder, J.H. (2017) Slot Cars: 3D Modelling for Improved Visual Traffic Analytics. *IEEE Conference on Computer Vision and Pattern Recognition Workshops (CVPRW)*, 889-897.

Elasal, N. & Elder, J.H. (2017) Estimating camera pose from motion without tracking. *Proc. 14th Conference on Computer and Robot Vision (CRV)*, IEEE, 72-79. (Oral Acceptance Rate: 35%)

Goel, V., *Lam, E., *Smith, K.W., Goel, A., Raymont, V., Krueger, F., Grafman, J. (2017). Lesions to polar/orbital prefrontal cortex selectively impair reasoning about emotional material, *Neuropsychologia*, Vol. 99, pp. 236-245.

What was your most exciting research finding or activity this past year?
That the insula - a brain region that connects the temporal and frontal cortex - plays a critical role when children solve mathematical problems.
Dr. Marie Arsalidou

Research Accomplishments

Developmental Science Continued....

Goel, V. & *Waechter, R. (2017). Inductive & Deductive Reasoning: Integrating Insights from Philosophy, Psychology & Neuroscience. In V. Thompson & L. Ball (Eds.), *International Handbook on Thinking and Reasoning*. New York, NY: Taylor & Francis.

Goel, V. (2017). Designing as Modulating Indeterminacy with Symbols, Minds and Brains. International Conference on Creativity & Cognition in Art and Design, Bangalore, India, Jan. 18-20, 2017. (Invited Talk)

*Khan, N. A., *Lavoie, S. M., Stevenson, R. A., Barense, M. D., Wallace, M. T., **Bebko, J. M.**, & **Stevens, W. D.** (2018). Atypical multisensory temporal integration in posterior superior temporal cortex may underlie language, social, and perceptual deficits in autism spectrum disorders. *Cognitive Neuroscience Society, 25th Annual Meeting* (Boston, MA).



Above: Photos of the **Goel Lab** at their annual summer BBQ.

Research Accomplishments

Developmental Science Continued....

Pascual-Leone, J., *Escobar, E. M. R., & Johnson, J. (2017). Logic: Development of logical operations. In *Reference Module in Neuroscience and Biobehavioral Psychology*. Amsterdam: Elsevier.

Pascual-Leone, J., & Johnson, J. (2017). Organismic causal models “from within” clarify developmental change and stages. In N. Budwig, E. Turiel, & P. Zelazo (Eds.), *New perspectives on human development*. Cambridge: Cambridge University Press.

*Solomon-Harris, L. M., *Khan, N. A., *Replete, V., *Peng, C. S., Stevens, W. D., & Martin, A. (2018). Atypical lateralization of intrinsic functional connectivity underlies aberrant face processing in autism spectrum disorders. *Cognitive Neuroscience Society, 25th Annual Meeting* (Boston, MA).

Stevens, W. D., Kravitz, D. J., *Peng, C. S., *Tessler, M. H., & Martin, A. (2017). Privileged Functional Connectivity Between the Visual Word Form Area and the Language System. *Journal of Neuroscience*, 37, 5288-5297.

Zinchenko, O., & Arsalidou, M. (2017). Brain responses to social norms: Meta-analyses of fMRI studies. *Human Brain Mapping*, 00, 1-16. <https://doi.org/10.1002/hbm.23895>

Research Accomplishments

History and Theory

*Aalbers, D., & **Teo, T.** (2017). The American Psychological Association and the torture complex: A phenomenology of the banality and workings of bureaucracy. *Journal für Psychologie, 25*(1), 179-204.s

Green, C. D., *Abbas, S., *Belliveau, A., *Beribisky, N., *Davidson, I., *DiGiovanni, J., *Heidari, C., *Martin, S. M. *Oosenbrug, E., & *Wainwright, L. (in press). Statcheck in Canadian psychology journals: What proportion of CPA journal articles contain errors in the reporting of p-Values?. *Canadian Psychology.*

Green, C. D. & Cautin, R. L. (2017). 125 years of the American Psychological Association. *American Psychologist, 72*, 722-736.

Green, C. D. & *Martin, S. M. (2017). Historical impact in psychology differs between demographic groups. *New Ideas in Psychology, 47*, 24-32.

Rutherford, A. (2017). Surveying rape: Feminist social science and the ontological politics of sexual assault. *History of the Human Sciences, 30*(4), 100-123.

Rutherford, A. (2017). B.F. Skinner and technology's nation. Technocracy, social engineering, and the good life in 20th century America. *History of Psychology, 20*, 290-312.



Members of the Psychology's Feminist Voices team (**Dr. Alexandra Rutherford**) hamming it up for the b-roll for the Gender Matters video series. From Left : Alexis Fabricius, Susannah Mulvale, Alexandra Fox, Meghan George, and Grace Zhang.

Research Accomplishments

History and Theory Continued...

Rutherford, A. (2017). "Making better use of U.S. women:" Psychology, sex roles, and womanpower in Post-WWII America. *Journal of the History of the Behavioural Sciences*, 53, 228-245.

Teo, T. (2017, June). *Psychological humanities, subjectivity, and resistance in aesthetics*. CPA Section- featured speaker (History and philosophy of psychology). CPA National Convention, Toronto, ON.

Teo, T. (2017). From psychological science to the psychological humanities: Building a general theory of subjectivity. *Review of General Psychology*, 21(4), 281-291.
<http://dx.doi.org/10.1037/gpr0000132>



Dr. Thomas Teo (right), President of the American Psychological Association's Division 24 (Society for Theoretical and Philosophical Psychology), presenting an award during the APA convention in Washington, DC.

Research Accomplishments

Quantitative Methods

*Counsell, A., & Cribbie, R. A. (2017). Using the errors-in-variables method in two-group pretest-posttest design. *Methodology*, 13, 1-8. <https://doi.org/10.1027/1614-2241/a000122>

Flora, D.B., & Flake, J.K. (2017). The purpose and practice of exploratory and confirmatory factor analysis in psychological research: Decisions for scale development and validation. *Canadian Journal of Behavioural Science*, 49, 78-88.

*Kim, Y. J. & Cribbie, R. A. (in press). The variance homogeneity assumption and the traditional ANOVA: Exploring a better gatekeeper. *British Journal of Mathematical and Statistical Psychology*. 10.1111/bmsp.12103.

*Mara, C. & Cribbie, R. A. (in press). Equivalence of population variances: Synchronizing the objective and analysis. *Journal of Experimental Education*. <http://hdl.handle.net/10315/33151>

Pek, J., & Flora, D.B. (in press). Reporting effect sizes in original psychological research: A discussion and tutorial. *Psychological Methods*.

The best part of the past year at York University was...

My most exciting activity was completing a grad-level stats text; look for it on the 2018 best-seller lists: Flora, D.B. (in production). *Statistical Methods for the Social and Behavioural Sciences: A Model-Based Approach*. London, UK: SAGE Publications.- **Dr. Dave Flora**

Research Accomplishments

Social and Personality Psychology

Aboud, F. & Steele, J.R. (2017). [Theoretical perspectives on implicit and explicit prejudice development](#). In A. Rutland, D. Nesdale, & C. S. Brown (Eds), *The Wiley-Blackwell Handbook of Group Process in Children and Adolescents* (pp. 167-183). New Jersey: Wiley-Blackwell.

*Hamidi, F., *Owuor, P.M., Hynie, M., Baljko, M., & McGrath, S. (2017). Potentials of digital assistive technology and special education in Kenya. In C. Ayo, & V. Mbarika (Eds.), *Handbook of Research on sustainable ICT adoption and integration for socio-economic development* (pp. 151-169). Hershey, PA: IGI Global.



SP Faculty at Orientation Day. From left: Dr. Joni Sasaki, Dr. Jennifer Steele, Dr. Kerry Kawakami, Dr. Ward Struthers

Research Accomplishments

Social and Personality Psychology

Hynie, M., Qasim, K., & Das, M. (2017). Access to health care in Canada. In A. Korntheuer & P. Pritchard (Eds.). *Structural context of refugee integration in Canada and Germany. GESIS Series, 15* (pp. 81-86). Cologne, Germany: GESIS—Leibniz Institute for the Social Sciences.

Hynie, M. (2017). The social determinants of refugee mental health in the post-migration context: A critical review. *Canadian Journal of Psychiatry, 1-7*. doi/10.1177/0706743717746666

*Islam, F., Amanprett, M., Hynie, M., Shakya, Y., & McKenzie, K. (2017). Mental health of South Asian youth in Peel Region: Determinants, coping strategies, and service access. *BMJ Open, 7*(11), e018265.

Karmali, F., Kawakami, K., & Page-Gould, E. (2017). He said what? Physiological and cognitive responses to imagining and witnessing racism. *Journal of Experimental Psychology: General, 146*, 1073-1085.



Dr. Michaela Hynie: Above are images of a workshop (left) and the tool (right) we are developing at FLiK (Fabrication Lab in a Kit) in Kenya, where we are using participatory design to develop a low-cost customizable digital device called TalkBox that can facilitate communication for children with disabilities.

Research Accomplishments

Social and Personality Continued...

Kawakami, K., Amodio, D. M., & Hugenberg, K. (2017). Intergroup perception and cognition: An integrative framework for understanding the causes and consequences of social categorization. *Advances in Experimental Social Psychology*, 55, 1-80.

*Maslej, M. M., Oatley, K., & **Mar, R. A.** (in press). Creating fictional characters: The role of experience, personality, and social processes. *Psychology of Aesthetics, Creativity, and the Arts*.

*McCreath, G. A., *Linehan, C. M. J., & **Mar, R. A.** (2017). Can Differences in Word Frequency Explain Why Narrative Fiction is a Better Predictor of Verbal Ability than Nonfiction? A Corpus Linguistic Analysis. *Discourse Processes*, 54, 373–381.

Muise, A. (2017). When and for whom is sex most beneficial? Sexual motivation in romantic relationships. *Canadian Psychology*, 58, 69-74. *Invited manuscript as recipient of the 2016 Canadian Psychological Association (CPA) President's New Researcher Award.*

Phills, C. E., **Kawakami, K.**, *Krusemark, D. R., & *Nyguen, J. (2017). Does reducing implicit prejudice increase outgroup identification? The downstream consequences of evaluative training on associations between the self and racial categories. *Social Psychological and Personality Science*. Advanced online publication.

Muise, A., Kim, J. J., Impett, E. A., & Rosen, N. O. (2017). Understanding when a partner is not in the mood: Sexual communal motivation in couples transitioning to parenthood. *Archives of Sexual Behavior*, 46, 1993-2006.

Muise, A., Bergeron, S., Impett, E. A., Rosen, N. O. (2017). The costs and benefits of sexual communal motivation for couples coping with vulodynia. *Health Psychology*, 36, 819-827.

Research Accomplishments

Social and Personality Continued...

Pauker, K., *Williams, A., & Steele, J.R. (2017). [The development of racial categorization in childhood](#). In A. Rutland, D. Nesdale, & C. S. Brown (Eds), *The Wiley-Blackwell Handbook of Group Process in Children and Adolescents* (pp. 221-240). New Jersey: Wiley-Blackwell.

*Rain, M., *Cilento, E., MacDonald, G., & Mar, R. A. (2017). Adult attachment and transportation into narrative worlds. *Personal Relationships*, 24, 49–74.

Rattan, A., Steele, J. R., & Ambady, N. (2017). [Identical applicant but different outcomes: The impact of gender versus race salience in hiring](#). *Group Processes and Intergroup Relations*.

*Williams, A. & Steele, J.R.(2017). [Examining children’s implicit racial attitudes using exemplar and category-based measures](#). *Child Development*.

What was your most exciting research finding or activity this past year?
We are finding really interesting intergroup biases in perceptions of emotions and trustworthiness that we think may be related to familiarity in processing certain expressions on racial faces.- **Dr. Kerry Kawakami**

In several studies that were recently published in the journal *Child Development*, we learned more specific information about children's implicit racial attitudes. Specifically, our findings suggest that these automatic biases might not be as stable across development as has been theorized. It was wonderful to have the opportunity to share these findings with the broader community through interviews with various media outlets - and to speak more generally about how to combat prejudice in childhood. This research was conducted in collaboration with my former graduate student, Amanda Williams, who is now a tenure-track faculty member at the University of Bristol.- **Dr. Jennifer Steele**

Faculty Awards

Here are some examples of the diversity of external awards of faculty members in the 2016-2017 fiscal year (unless otherwise indicated). Unless otherwise noted, all amounts are the amount awarded for that year, not the grant total.

Dr. Scott Adler

- The Hallward Fund of the Toronto Foundation
- **Exploring the caesarean section birth experience as a risk factor for attentional and cognitive development consequences:** \$105,000 (2016-2019)

Dr. Marie Arsalidou

- NSERC- Discovery Grant
- **Developmental involvement of prefrontal cortex and working memory in mathematical problem solving:** \$26,000 (with co-investigator; [Dr. Juan Pascual-Leone](#)) (2014-2019)
- Russian Science Foundation- Research Grant- <http://rscf.ru/en/enpricard?rid=17-18-01047>
- **18 million rubles (~390000CAN) (2017-2019)**

Dr. James Bebko

- Frederick and Douglas Dickson Memorial Foundation
- **Mentoring Project for students with Asperger Syndrome** (2015-2018)

Dr. Ellen Bialystok

- SSHRC
- **Impact of early French Immersion on language and cognitive development in a diverse population.** \$244,616 (2017-2020)
- **Doctor Philosophiae Honoris Causa**, University of Oslo
- NIH/National Institute of Aging
- **The mechanism of cognitive reserve in bilingualism** (2015-2018)

Faculty Awards

Dr. Yvonne Bohr

- CIHR Project Scheme
- **Making SPARX Fly in Nunavut:** \$1,258,424.00 (with co-investigators: Ahmad, Farah; Bornstein, Marc H; **Flett, Gordon L**; Flicker, Sarah; Healey, Gwen K; Jenson, Jennifer; Litwin, Leah; Lucassen, Mathijs F; Merry, Sally N; **Pepler, Debra J**; **Rawana, Jennine S**; Shulman, Shmuel; **Weiss, Jonathan**)

Dr. Douglas Crawford

- Canada Research Chair (Tier 1) in Visual-Motor Neuroscience: \$200,000
- Canada First Research Excellence Fund (CF-REF)
- **Vision: Science to Applications (VISTA Program)** (with the vision science co-investigators): \$33,300,000
- CIHR
- **Neurophysiology of 3-D Gaze and Head Control** (2013-2020)

Dr. Rob Cribbie

- SSHRC Insight
- **Advanced applications of equivalence testing: Bayesian and frequentist approaches** (2016-2022)

Dr. John Eastwood

- NSERC
- **The unengaged mind: Understanding the cognitive mechanisms underlying boredom:** \$140,000 (5-year grant total)
- NSERC Discovery
- **The Development of visual attention to emotionally expressive faces. Basic mechanisms and individual differences** (2003-2023)

Dr. James Elder

- Ontario Research Fund- Research Excellence Award
- **'Intelligent Systems for Sustainable Urban Mobility':** \$12,000,000- multisite award
- NSERC CREATE
- **Program in Data Analytics and Visualization** (2015-2021)

Faculty Awards

Dr. Gordon Flett

- SSHRC
- Canada Research Chair (Tier 1) in Personality & Health: \$200,000
- Canadian Crime Victim Foundation
- **Child, youth and family victims of extremely violent crime** (2010-2017)

Dr. Michael Friendly

- NSERC Discovery
- **Graphical Methods For Categorical Data Analysis** (1994-2020)

Dr. Christopher Green

- SSHRC Insight
- **Digital history of psychology** (2013-2019)

Dr. Laurence Harris

- Awarded Tier I York Research Chair in 2017
- Leading Edge Fund
- **Full Field Vision and Spatial Orientation** (2011-2018)

Dr. Michaela Hynie

- CIHR
- **Refugee integration and long-term health outcomes in Canada** (2016-2022)
- Home Suite Hope
- **Program Evaluation Home Suite Hope's Homeward Bound Program** (2016-2018)

Dr. Kerry Kawakami

- SSHRC Insight
- **Preferential attention to the eyes of racial and other ingroup members** (2013-2019)

Faculty Awards

Dr. Joel Katz

- Fellow, Canadian Academy of Health sciences
- Distinguished Research Professor of Psychology, York University
- York University Research Leaders Award
- The Canadian Pain Society
- **Predicting Chronic Post-Surgical Pain Trajectories in Adolescents and Young Adults: A 2-4 Year Follow-up Study (2017-2020)**

Dr. Joel Katz (center) with Dr. Joel Goldberg and Dean Paul McDonald upon receiving the Distinguished Research Professor designation



Dr. Richard LaLonde

- SSHRC Insight
- **The double-edged sword of the model minority stereotype: cognitive components, affective responses, and psychological outcomes (2015-2021)**

Dr. Raymond Mar

- SSHRC- Standard Research Grant.: \$138,404

Faculty Awards

Dr. Jennifer Mills

- SSHRC
- **Effects of appearance-based social media on young women's body image:** \$165,000
- North York General Hospital, Exploration Fund Grant
- **Motivation-infused versus psychoeducation-infused hospital treatment for an eating disorder:** \$7,500
- Women's College Hospital, Women's Xchange Grant 15K Challenge
- **The influence of presenters' self-disclosure of an eating disorder on the effectiveness of prevention messages?:** \$15,000

Dr. Myriam Mongrain

- SSHRC Research Opportunity
- **The Mitigation of Stress Through Compassionate Action (2017-2018)**

Dr. Amy Muise

- Canadian Foundation for Innovation
- Sexual Health and Relationship Lab: \$94,302 (2017-2022)
- SSHRC-Insight Grant
- **Broadening Your Horizons: Self-Expansion and the Maintenance of Desire and Satisfaction in Romantic Relationships:** \$268,811 (2017-2022)
- SSHRC-Insight Development Grant
- **Not in the Mood? A Conflict Negotiation Perspective on Sexual Rejection in Romantic Relationships:** \$74,375 (\$74,375)

One of the highlights of the past year was giving a talk on my research at a public event—SEXposium—that took place at the ROM. I was able to invite several of my undergraduate and graduate students to attend—for many of them it was their first sexuality-related conference and provided an opportunity to learn about research on sex and relationships in a fun, relaxed environment. It spurred research ideas and enthusiasm among several of the students.- **Dr. Amy Muise**

Faculty Awards

Dr. Juan Pascual-Leone

NSERC- Discovery Grant

- **Developmental involvement of prefrontal cortex and working memory in mathematical problem solving:** \$26,000 (with co-investigator; **Dr. Marie Arsalidou**) (2014-2019)

Dr. Adrienne Perry

- **Honorary Professor** , University of Xingdao, China

Dr. Rebecca Pillai-Riddell

- International Association for the Study of Pain
- **Investigating the influence of caregiver Soothing upon Infant Cortical Pain Processing** (2017-2018)
- Ontario Mental Health Foundation
- **Toddler Negative Affect Regulation: Understanding the Role of Caregiver, Child, and Relationship Factors Across High, Moderate, and Low Distress Contexts** (2016-2018)
- NSERC Discovery
- **Physiological and Behavioural Regulatory Processes in Recovering from Distress: Developmental and Contextual Dimensions in Infancy** (2015-2021)
- SSHRC Research Opportunity
- **Observing Attachment Behavior in Middle Childhood: A Pilot Study** (2017-2018)



Dr. Adrienne Perry with ABA therapists sight-seeing in China

Faculty Awards

Dr. Debra Pepler

- Astral Media
- **Support for PREVNet (Prevention of Bullying Network)**
- Canadian Mothercraft Society
- **Breaking the Cycle - Evaluating a program for substance using women and their children (2007-2022)**

Dr. Shayna Rosenbaum

- CIHR, Project Grant (co-applicant)
Probing hippocampal integrity with ultra-high resolution MRI and behaviour in temporal lobe epilepsy with A. Khan (PI; Western University), S. Köhler (co-PI), I. Johnsrude, R. Menon, S. Mirsattari, \$458,700 (2016-2020)
- INS Award for Early Career Research, International Neuropsychological Society (international)
- York Research Chair-Tier II, Faculty of Health, York University

Dr. Alexandra Rutherford

- Association for Psychological Science
- **Gender Matters: Gendered Innovations in Teaching Psychological Science (2015-2017)**
- SSHRC Insight Grant
- **The Science and Politics of Gender** , \$135,000 (2017-2021)
- Distinguished Service Award, Society for the Psychological Study of Social Issues
- President of the Society for General Psychology, Division 1 of the APA (2018-2019)

Dr. Jennifer Steele

- SSHRC Insight Grant
- **Understanding children's implicit attitudes and intergroup biases** (with co-investigator, [Dr. Kerry Kawakami](#)) (2014-2021)

Faculty Awards

Dr. Jennifer Steeves

- NSERC Discovery
- **The relationship between cortical object and scene areas in object and scene** (2007-2023)

Dr. Dale Stevens

- Department of Psychology Nominee for the Faculty of Health Teaching Award
- Canadian First Research Excellence Fund: “Vision: Science to Applications” (VISTA)
- **Validation of Novel Neurofeedback Training Engine for Improving Brain Health in Aging and Neurodevelopmental Disorders: \$50,000**
- NSERC Discovery
- **Neural Mechanisms Underlying Functional Plasticity of the Human Brain** (2016-2022)

Dr. Ward Struthers

- SSHRC Insight
- **The effects of social power and apology on victims' decisions to seek revenge against, harbour a grudge against, and forgive transgressors** (2015-202)

Dr. Thomas Teo

- SSHRC-Insight Grant
- **Laying the Foundation for the Psychological Humanities: Histories and Theories of Subjectivity: \$145,443** (2017-2022)
- President (2016-2017) of the Society for Theoretical and Philosophical Psychology (Division 24 of the American Psychological Association)

Dr. Maggie Toplak

- SSHRC Insight
- **The development of rational thinking abilities: longitudinal change and real world outcomes** (2013-2019)

Please inform us about a highlight you/your lab has accomplished over the past year that you feel is particularly noteworthy. Zhipeng Gao is the first winner of the Raymond E. Fancher Award to benefit a York University graduate student for excellence in research in the History and Theory of Psychology.- Dr. Thomas Teo

Faculty Awards

Dr. Christine Till

- National Institute of Health (NIH)-R21 Award Supplement
- **Impact of early life fluoride exposure on cognitive and behavioural outcomes in children:** \$84,240 (2017-2018) (with principal co-investigator Lanphear, B)
- SSHRC- Partnership Grant (Through the Water Economics, Policy and Governance Network).
- **Developing a strategy to address knowledge gaps related to early life exposure to fluoride:** \$20,000 (2017-2018).

Dr. Gary Turner

- NSERC Discovery
- **Mapping Neural Mechanisms Subserving Executive Control Processes across the Adult Lifespan: A Functional Network Perspective (2012-2019)**

Dr. Jonathan Weiss

- Research Leadership Award
- Office of the Vice President Research & Innovation, York University
- University of British Columbia Summer Scholar, Department of Education & Counselling Psychology, & Special Education, Faculty of Education
- CIHR Chair: Autism Spectrum Disorder Treatment & Care
- Kids Brain Health Network
- **Cognitive Behaviour Therapy for Mental Health Problems in Children with Neurodevelopment Disorders: A Transdiagnostic Approach (2016-2021)**

Faculty Awards

Current Canada Research Chairs

Dr. Doug Crawford

Canada Research Chair (Tier 1) in Visual-Motor Neuroscience (CIHR)

Dr. Gordon Flett

Canada Research Chair (Tier 1) in Personality & Health (SSHRC)

Dr. Joel Katz

Canada Research Chair (Tier 1) in Health Psychology (CIHR)

Dr. Georg Zoidi

Canada Research Chair (Tier 1) in Molecular and Cellular Neuroscience (CIHR)

Current York Research Chairs

Dr. Laurence Harris *NEW*

York Research Chair (Tier 1) in Multisensory Integration

Dr. Ellen Bialystok

Walter Gordon York Research Chair (Tier 1) in Lifespan Cognitive Development

Dr. Shayna Rosenbaum

York Research Chair (Tier 2) in Cognitive Neuroscience of Memory

Dr. Rebecca Pillai Riddell

York Research Chair (Tier 2) in Pain and Mental Health

Dr. Bialystok



Dr. Rosenbaum



Dr. Pillai Riddell



Dr. Harris



New Faculty



Left: The Psychology Department welcomes **Dr. Julie Conder** as our newest teaching stream faculty member!

Dr. Conder is teaching Writing in Psychology & Critical Thinking in Psychology

Right: The Psychology Department welcomes **Dr. Ingo Fründ** to the BBCS area!

Dr. **Fründ's** research focuses on computational neuroscience.



New Faculty



Left: The Psychology Department welcomes **Dr. Magdalena Wojtowicz** to the Clinical- Developmental Area!

Dr. Wojtowicz's research focuses on concussion and brain health.

Right: The Psychology Department welcomes **Dr. Thanujeni (Jeni) Pathman** to the Developmental Science Area!

Dr. Pathman's research focuses on the development of memory.



Organized Research Units

Institute for Social Research (ISR)

- Contains the largest university-based survey research centre in Canada.
- Offers expert consulting in statistics for York faculty, graduate students and community members.
- Provides a range of “short courses” in statistical programs and analysis such as:
 - An Introduction to SAS for Windows
 - An Introduction to R
 - Accessing Canadian and International Data and Statistics
 - Introduction to Linear Regression Models
 - Using Computers in Qualitative Analysis: An NVivo 11 for Windows Workshop

Website: www.yorku.ca/isr



**Institute for
Social Research**

LaMarsh Centre for Child and Youth Research

- Develops community-engaged interdisciplinary research in education, health, relationships and the development of infants, children, adolescents, emerging adults and families
- This year's annual Dr. Eric Jackman lecture was held on November 9, 2017 featuring guest speaker, **Dr. Gordon** Flett director of the LaMarsh centre. His talk was entitled “Why “mattering” matters: The importance of feeling significant, at home, in school, in the community and at work”

Website: www.yorku.ca/lamarsh

Right: The 2017 PREVNet's National Youth Advisory Committee (and **Dr. Debra Pepler**), promoting healthy relationships and preventing bullying.



Organized Research Units

York Centre for Vision Research

- international leader in human, biological and machine vision
 - integrates faculty from health, science, engineering, liberal arts & professional studies, Glendon, and arts, media, performance & design
 - cutting-edge resources including 3T MRI scanner, full-field visual display, a rotating room, virtual reality systems, multiple robotic systems, and state-of-the-art psychophysics labs
 - hosts three NSERC-funded CREATE training programs and trained over 130 graduate and post-doctoral fellows
 - ran an international conference at York on "Vision in the Real World"
 - integrated with the Vision: Science-to-Applications (VISTA) program that is substantially expanding our program
 - offers a week-long, all-expenses-paid international undergraduate summer school for 40 students focusing on visual science
 - members give invited and key-note talks all over the world and published over 180 peer-reviewed articles (including articles in *Current Biology*, *Nature Methods*, *Nature Communications*, and *Proceedings of the National Academy of Science*)
 - members are on the editorial board of many of the most significant vision-related journals including *Perception*, *the Journal of Vision*, *ACM Transactions on Applied Perception*, and *the International Journal of Computer Vision*
 - funded by grants over \$5M (independent of VISTA)
- website cvr.yorku.ca

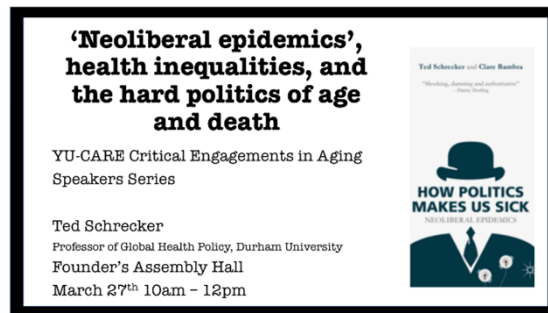


VISTA Award
Recipients, including
CVR faculty, post-
doctoral fellows and
students:
Far left (**Dr. Laurence
Harris & Dr. Douglas
Crawford**)

Organized Research Units

York Centre for Aging Research & Education (YU-CARE)

- This past year, YU-CARE held its Critical Engagement in Aging Speaker Series to discuss challenges of aging and aged care work, with a focus on the impacts at societal and individual levels. The Speaker Series encourages knowledge exchange and networking. The first was held on March 27, 2017. Ted Schrecker, Professor of Global Health Policy, Durham University participated discussed his book “How Politics Makes Us Sick”. During the talk he explored the neoliberal epidemic of health inequalities, drawing attention to the consequences of poor public policy for people as they age in the UK, Canada and the United States.



- On September 5, 2017, Sara Charlesworth, Professor and Deputy Head of School Research and Innovation, RMIT University in Australia discussed “Improving Job quality in Australian Aged Care: Challenges and Dilemmas”. She focused on her research about working conditions within Australian home-based and institutional aged care. Her research shows how the development of small-scale work practice interventions can improve worker job and care quality.
- In the coming year, a 4000 level 6-credit interdisciplinary course on Healthy Aging will be launched for students in Psychology, Kinesiology, Health Studies, and Global Health interested in attaining credits for the YU-CARE Certificate in Aging. Our aims are to guide undergraduate students in developing a holistic perspective on healthy aging and an appreciation of the factors that impact healthy aging. Students will be exposed to research on a variety of 'healthy aging' topics of our faculty members across multiple disciplines through a 'meet the expert' video series. The course is novel in that it is a blended course design (40% of the time the students meet in class, and the remaining time they engage in learning activities online) that creates an opportunity for students to spend up to 40 hours outside the classroom applying their knowledge and enhancing their skills by engaging in an experiential “hands-on” activity with older adults while also supporting community-identified projects.

Website: <http://yucare.info.yorku.ca>

Our Research in the Media

Profiling Psychology Faculty and Students from Various Media Sources

yFile

[Scientific Director of VISTA explains discovery that may help patients with brain damage](#)

Researcher: Dr. Doug Crawford

Medical Daily

[What is Sexual Narcissism?](#)

Dr. Amy Muise

The Huffington Post

[So THAT's why hotel sex is so much better than at home-](#) Dr. Amy Muise

The Globe and Mail

[Are Toronto's new green bins working? Dead raccoons may hold the answer](#)

Dr. Suzanne Macdonald



Our Research in the Media

Profiling Psychology Faculty and Students from Various Media Sources

The Wall Street Journal
[Empathy by the Book: How Fiction Affects Behavior](#)
Dr. Raymond Mar

BBC
[The amazing fertility of the older mind](#)
Dr. Ellen Bialystok

The Toronto Star
[The health benefits of learning a second language](#)
Dr. Ellen Bialystok

Environmental News Network
[Researchers discover safety feature in our perception of self motion](#)
Dr. Laurence Harris

yFile
[Mind games: Our perception of face size is not always correct](#)
Dr. Laurence Harris

yFile
[Professor James Elder wins major ORF grant to support sustainable urban mobility](#)
Dr. James Elder

yFile
[“These two undergrads need your vote in the NSERC Science, Action! Contest”](#)
Dr. Marie Arsalidou

Business Insider
[Being schizophrenic doesn't mean you have multiple personalities — here's how to tell the difference](#)
Dr. Robert Muller

Our Research in the Media

Profiling Psychology Faculty and Students from Various Media Sources

The Smithsonian Magazine

[How a Psychologist's Work on Race Identity Helped Overturn School Segregation in 1950s America](#)

Dr. Alexandra Rutherford

CTV News

["Cognitive behavioural therapy helps autistic kids"](#)

Dr. Jonathan Weiss

PsychCentral

["CBT Can Benefit Both Autistic Children and Parents"](#)

Dr. Jonathan Weiss

VIEW

Our Plastic Brains

How our brain adapts to sensory loss – even of an eye

York U Magazine

["Our plastic brains: How our brain adapts to sensory loss—even of an eye"](#)

Dr. Jennifer Steeves

yFile

["New research exposes health care inequity of "invisible" uninsured"](#)

WATCH VIDEO HERE:
<https://www.youtube.com/watch?v=08aJVWojx2I>

Dr. Michaela Hynie

Global News

["Roasting' is a new cyberbullying trend and it has experts worried"](#)

Dr. Debra Pepler

Our Research in the Media

Profiling Psychology Faculty and Students from Various Media Sources

The Toronto Star

["York U study suggests kids are racially biased, but mellow with age"](#)

Dr. Jennifer Steele

yFile

["York U research finds children show implicit racial bias from a young age"](#)

Dr. Jennifer Steele



Left: Members of the Interpersonal Perception and Social Cognition Lab, led by **Dr. Jennifer Steele**, on Fall Campus Day

yFile

["Scientific Director of VISTA explains discovery that may help patients with brain damage"](#)

Dr. Douglas Crawford

PR Newswire

["Researchers Discover Insights from Chronic Pain Sufferers Who Use the "Manage My Pain" App"](#)

Dr. Joel Katz

Slate Magazine

["It Looked Great. It Was Unwatchable."](#)

Dr. Laurie Wilcox

American Pain Society

["Pain Severity Leading Predictor of Prolonged Opioid Use After Surgery"](#)

Dr. Joel Katz

Research in the Community

Dr. Laurie Wilcox

Dr. Wilcox participated in the Scholar's Hub lecture series at the Markham public library again this year. The community is very responsive and the evening events are a real pleasure.

Dr. Wilcox presented our human factors results at meetings of the Video Electronic Standards Association (VESA) in Montreal (and last year in San Jose, CA). These small, invitation-only, meetings are a rare opportunity to share behavioural science results with the displays industry.

Dr. James Elder

We are working with Toronto company TransPlan to automate traffic analytics at city intersections.

Dr. Yvonne Bohr

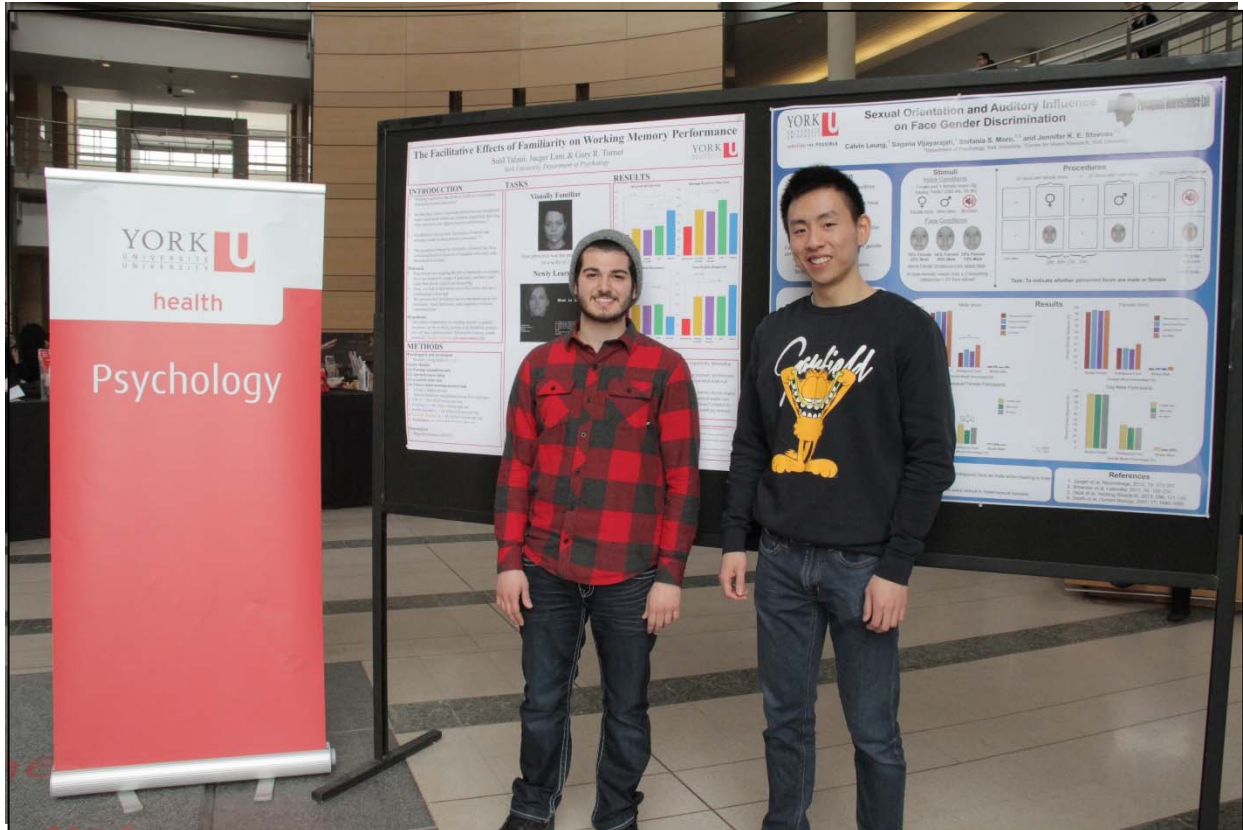
Dr. Pepler is involved in I-SPARX , a project that involves translating CBT concepts in the form of a culturally specific, accessible computer game for Inuit youth.

Below: A photo from the I-SPARX Launch



Emerging Researchers

Undergraduate Students



2017 DEPARTMENT OF PSYCHOLOGY POSTER DAY WINNERS

Left: **Said Talani** "Investigating the Facilitative Effects of Familiarity on Working Memory Performance, supervised by **Dr. Gary Turner**.

Right: **Calvin Leung**, *Sexual Orientation and Auditory Influence on Face Gender Discrimination*, supervised by **Dr. Jennifer Steeves**

Emerging Researchers

Undergraduate Students

<u>Award</u>	The W.B. Templeton Honours Thesis Award	Originality Prize in Memory of Paul Jeffrey Kusyszyn	The Sandra Pyke Scholarship Award
<u>Recipients:</u>	Daniel Chiacchia	Nataly Beribisky	Tiffani Mocibob
<u>Award Description:</u>	Awarded to the most outstanding 4 th year Honours theses	Awarded to the 4 th year Honours student with the most original BA Honours Thesis with a minimum grade of A	Awarded to the student with the highest GPA at end of third year, as well as an A+ in Psychology of Women



Dr. Jennifer Connolly,
Undergraduate
Program Director, on
Orientation Day.

Emerging Researchers

Undergraduate Students

<u>Award</u>	Ivana Guglietti-Kelly Prize	Koenig Psychology Undergraduate Award	Goranson Memorial Research Award
<u>Recipients:</u>	Daniel Chiacchia	Ezekiel Gading	Said Talani- (1st) Calvin Leung (2nd)
<u>Award Description:</u>	Awarded to an undergraduate student using qualitative methods illuminating psychological processes	Awarded to an undergraduate student who demonstrates excellence in the honours program	Awarded to 4 th year Honours students to be used for thesis research

Psychology Undergraduate Book Prizes

Awarded to full-time Psychology majors with the highest sessional GPA in their year

- 2nd year students
 - Brianne De Sousa
 - Ethan Weiss
- 3rd year students
 - Annette Rusin
 - Noah Gasner
- 4th year students
 - Andrei Nistor
 - Yasha Amani



Right: *Yasha Amani with Dr. Jennifer Steele

Undergraduate Events

Orientation Day, September 2017



Below: Undergraduate Psychology Student Association (UPSA)
Event: "Partea with the Professors"



Emerging Researchers

Graduate Students & Post-Doctoral Fellows

2017 Major Award Tallies

- 1 Vanier Scholar (CIHR)
- Canadian Institutes of Health Research (CIHR): 3 at the MA level; 4 at the PhD level
- Natural Sciences and Engineering Research Council of Canada (NSERC): 3 at the MA level; 3 at the PhD level
- Social Sciences and Humanities Research Council of Canada (SSHRC): 12 at the MA level, 3 at the PhD level
- Ontario Graduate Scholarship: 22 at the MA level; 20 at the PhD level
- Autism Scholars Awards: 2

Below: A photo of the undergraduate and graduate award winners at the Department of Psychology 2017 Awards Ceremony



Emerging Researchers

Graduate Students & Post-Doctoral Fellows

- **Kenneth Colosimo** received the Ivana-Guglieti-Kelly Prize for Outstanding Qualitative Paper
- **Laura Goldstein** received a Monica Reena Goyal Memorial Bursary (2017)
- **Khush-Bakht (KB) Zaidi** received a Monica Reena Goyal Memorial Bursary (2016)
- **Jennifer Hunter** received a graduate Student Award in Clinical Psychology
- **Kimberley Hara** received a graduate Student Award in Clinical Psychology
- **Jasmine Khattra** received the Award for Excellence in Psychotherapy Process Research
- **Francine Karmali** received the Sandra Pyke Award for Graduate Excellence
- **Shira Yufe** won First Place and the People's Choice Award at the York 3MT (three-minute thesis) competition
- **Elisea de Somma** won Third Place at the York 3MT competition
- **Jeffrey Esteves** received the Gales Graduate Scholarship for Behaviour Analysis



From right: **Dr. Joel Goldberg**, **Dr. Adrienne Perry** and 'award-winning' student ***Jeffrey Esteves** with representatives from Ryerson University' attending the OPA's Reception at Queen's Park on April 4, 2017 to celebrate OPA's 70th Anniversary

Emerging Researchers

Graduate Students & Post-Doctoral Fellows

- **Devin Heinze Kehoe** received a CPA Certificate of Academic Excellence (Master's)
- **Stevenson Baker** received a CPA Certificate of Academic Excellence (Master's)
- **Jasmine Khattra** received a CPA Certificate of Academic Excellence (Master's)
- **Stephanie Brown Lavoie** received a CPA Certificate of Academic Excellence (Doctoral)
- **Jeremy Burman** received a CPA Certificate of Academic Excellence (Doctoral)
- **Nicole Racine** received a CPA Certificate of Academic Excellence (Doctoral)



Above: *Sara Rependa & Dr. Mary Desrocher

- **Jordana Waxman** received the Graduate Student Research Award in Clinical-Developmental in Psychology
- **Jala Rizeq** received the Graduate Student Research Award in Clinical-Developmental Psychology
- **Sara Rependa** received the YUPC Award in Clinical-Developmental Psychology
- **Monica Janus** received a Council of Canadian Departments of Psychology (CCDP) Teaching Assistantship Award
- **Alex Pothukaran** received a CCDP Teaching Assistantship Award
- **Jorida Cilia** received a CCDP Teaching Assistantship Award
- **Kyle Comishen** received a CCDP Teaching Assistantship Award
- **Chad Vochon** received a CCDP Teaching Assistantship Award
- **Justeena Zaki-Azat** received a CCDP Teaching Assistantship Award
- **Matthew Sigal** received a Michael Friendly Award for Quantitative Methodology Research
- **Alexandria West** received a Norman S. Endler Research Fellowship in Psychology
- **Niloufar Eshghi** received a Graham Reed Bursary
- Zhipeng (Simon) Gao is the first winner of the Raymond E. Fancher Award
- **John Jongjin Kim** was awarded the inaugural Ian P. Howard Family Foundation Scholarship (photo right)

Right: *John Jongjin Kim was awarded the inaugural Ian P. Howard Family Foundation Scholarship (photo right). Student of **Dr. Laurence Harris**



Experiential Learning

One of our groups in Applied Community Based Research (4175) collaborated with Susan Steels, Clinical Leader of the Geriatric Outreach Services at Southlake to test the impact of measuring grip strength on seniors' commitment to engage in exercise. They were then asked to present their findings at Southlake's Geriatric Clinic Day on April 13, 2017.

-Dr. Michaela Hynie



Above: From Southlake's Geriatric Clinic Day: (Joanna Jorgensen, Sara Lee, David Marcinek & Mohabat Tarkeshian)

Graduate students were able to observe treatment sessions live in the York University Psychology Clinic as an integrative component of a family therapy course.

- Dr. Yvonne Bohr

Most, if not all, graduate courses in Quantitative Methods involve experiential learning in that students use statistical software to experience the analysis of data from real research projects.

- Dr. Dave Flora

In my custom for Biocentric lectures, I took 2 classes to Hockley Valley on a Thursday and a Friday hike to demonstrate Naturalistic Pscyh. 40506.0 A and B. We in each class got hands-on experiential learning and even did Gestalt meditation!

- Dr. Michael Luther

I am back to teaching after my extended sabbatical, and loving the students in my undergraduate Animal Behaviour class! They are amazing. Each of them has to complete two assignments based on observations of live animals, and many of them are doing their projects at the Toronto Zoo. It is a real treat to be able to get to know the students personally, even though the class is large (200 students). By the time the course is over, they will be skilled behavioural observers, ready to take on more than just gorillas :)

- Dr. Suzanne MacDonald

Contract Faculty Contributions

Selected Publications and Research

Dr. Ami Rokach

Patron, M.C. , Wildeboer, R. & Rokach, A. [Eds.] (2017a). Women and war: Opening Pandora's box - Intimate relationships in the shadow of traumatic experiences. NY: Nova Science Pub.

Rokach, A. Ahmed, R. & Patel, K. (2017b). Senseless violence: A global problem with psychological ramifications. *Journal of Psychology*, 151(1), 1-4.

Rokach, A. (2017d). Palliative care workers: Demands and stresses. *Journal of Nursing and Healthcare*, 1(1), 555553.

Rokach, A. [Ed.]. (2017e). Emotions and their influence on our personal, interpersonal and social experiences. UK: Routledge. ISBN: 978-1-138-29601-5.

Professor Al Mapp and MA-1 students on Orientation Day



Honouring Past Faculty

Lives Lived: In appreciation of our long-serving faculty who died this year.



Dr. Natasha (Natalia) Bauer died on December 19, 2017 after a two and a half year battle with cancer. She was a long-time instructor and popular teacher of undergrad social psychology studies and group psychology for more than a quarter-century in our Psychology Department at York University. She graduated years ago with her doctorate from the University of Prague - she will be dearly missed by many former students and colleagues; her loss is deeply felt by her dear husband, Edmund (of over 50 years), her two children and five grandchildren.

Marilyn T. Zivian died peacefully on November 20, 2017 after a prolonged battle with breast cancer. Marilyn received her PhD in Psychology from the University of Michigan and began her teaching career in 1977 in the Department of Psychology, Atkinson College. She was a talented teacher and perceptive researcher but also made a number of important administrative contributions as Chair of the Department of Psychology at Atkinson, as the Director of the Graduate Program in Psychology and as an Associate Dean in the Faculty of Graduate Studies. She retired in 2004 and moved to San Francisco where she continued to use her methodological and statistical skills to help the Breast Cancer Action organization to evaluate the research being done in the field. Her contributions led to her being appointed to the Board of Directors of that organization. She was also a member of the Board of Directors of the Left Coast Chamber Ensemble, a group formed to promote the appreciation and performance of chamber music, both old and new. Marilyn is survived by her husband Arthur Zivian, her son Eric Zivian and her granddaughter H el ene Langlamet, all of whom live in the San Francisco Bay Area.



Honouring Past Faculty



Dr. Martin J. Steinbach died on June 24, 2017 after a severe stroke. Professor Steinbach was a Distinguished Research Professor of Psychology and a member of the Graduate Programs in both Psychology and Biology. After receiving his PhD from the Massachusetts Institute of Technology, he came to York University in 1968 as a Research Associate and Special Lecturer in the Department of Psychology. He was Chair of the Department of Psychology, Atkinson College, and was a founding member of the Centre for Vision Research. He chaired the Senate Committee on Research in 1980-81. In addition, he was a Senior Scientist in the DKJ Eye Institute and the Krembil Research Institute; Research and Promotions Director, Department of Ophthalmology and Vision Sciences, University of Toronto. He has served on the Advisory Board of the Canadian Institutes of Health Research, Institute of Neuroscience, Mental Health and Addiction, and was the President of the Vision Health Research Council of Canada. He represented Canadian researchers as a member of the National Coalition for Vision Health and was an Advisor to the Canadian National Institute for the Blind as well as the Canadian Foundation Fighting Blindness. He was a past Trustee and Vice-President of the Association for Research in Vision and Ophthalmology, and was named winner of the 2009 Karl Kupfer Award by that organization. He contributed so so much to furthering our knowledge of seeing - in fact, his scientific legacy includes that of having the insight to learn from losses in eyesight (amblyopia) so as to make a real difference through his research in the health and the lives of others - that he had the vision to establish the academic pathways for so many others to share in these discoveries through his mentorship and leadership.

Honouring Past Faculty

Dr. Harvey Brooker (1932 - 2017) graduated from Indiana University (PhD 1962) during the era of Ralph Reitan's early neuropsychology studies, he was a long time clinical teacher and mentor in Clinical Psychology at York University, instructor for our Ethics, Jurisprudence and Professional Issues and Psychodiagnostics courses for decades, a psychologist's psychologist, someone we turned to for counsel and advice. He was deeply serious about supervision (yet still funny), truly perceptive and insightful about his students and their work. For years and years, he was Head of the Outpatient Psychology Department at the former Clarke Institute (now part of CAMH) where the weekly case rounds he led were an incredible model for the kind of learning and critical appraisal that goes beyond the surface symptom to understanding the person. His lifetime work was recognized by Canadian Psychological Association Award for Distinguished Contributions to Education and Training in Psychology (2013) – indeed, quite fittingly, the Ontario Psychological Association Award for Excellence in Clinical Teaching is named in his honour. Known both nationally and internationally for his training expertise, he was a valued site visitor for both APA and CPA for training programs and internships. He is survived by his dear wife Grace, who was a true partner, working alongside her for years as she staffed the OPA, which was almost literally born in their home and is survived by their two children, Dina and Michael.



Partnering with Seneca College



Above from left: Barb Pimenoff and **Dr. Jill Rich**, the York-Seneca Rehabilitation Services Certificate Program (RSCP) RSCP Coordinators

Established in 1981, RSCP is the only program of its kind in Canada.

At the end of the program, students receive both a B.A./B.Sc. or B.A./B.Sc. (Honours) degree with a Psychology focus from York University, as well as a Certificate in Rehabilitation Services from Seneca College. The program requires four (B.A./B.Sc.) or five (B.A./B.Sc. Honours) years of study.

In addition to York and Seneca coursework, students complete 800 hours of fieldwork experience at placements such as Surrey Place, WSIB and the Insurance Services Sector.

York University Psychology Clinic

The clinic had another busy year. One of the exciting new initiatives this year was a change that was implemented in our intake process. After MA 1 students complete a 1-day intake training session in the winter semester, they are now completing all YUPC intakes. Clients now choose an appointment time for their telephone intake and each MA 1 student has several opportunities each month to use their newly developing clinical interviewing skills to more fully understand the nature of the client's request and if needed to complete a risk assessment.

We successfully offered a number of group programs that varied from a prevention oriented focus like our Memory and Aging Program and Emotional Intelligence workshop to our CBT treatment group for Anxiety and Worry. We also conducted our first support group for University students struggling with ADHD.

Our continuing education program in Emotion-Focused Therapy continues to have a strong draw from both local registrants and international participants. We also took on registration responsibility for the 2nd Annual International Society for Emotion-Focused Therapy conference.



Above: A photo of the YUPC Open House for MA-1 Students with **Dr. Louise Hartley**

York University Psychology Clinic

A new student led initiative this past year – was to acknowledge “best” supervisors. Student were given the opportunity to recommend a supervisor for this award by submitting a paragraph outlining how the supervisor enhanced their training experiences in the clinic. These nominations were then circulated to the entire graduate clinical psychology cohort – so that other students could add comments to the original nomination. These final nominations were then vetted by a two person student committee for a winner to be chosen. This past year there was a tie and the awards were presented to **Drs Jenny Lewin and Alberta Pos**. Their certificates of “excellence” were presented at the Annual “punch and cheese” orientation evening that we hold in January to orient the new MA 1 cohort to the training possibilities that the clinic provides.

At our annual YUPC Faculty Luncheon – in which the students and clinic director update faculty on the past year’s accomplishment – a presentation was made to Linnaea Halpert, a York student, who has donated many of her own hand painted pictures to the clinic. The addition of these pictures helps to make our interview rooms more warm and welcoming – Thank you Linnaea.

Right: YorkU student, *Linnaea Halpert’s hand-painted art contributions to the YUPC



Department Fun!

A Selection of Photos from Psychology Department
Holiday Events!



Department Fun!

MA-1 Students on Orientation Day



*Tracy Fabri (CD)



*Viviana Vumbaca (DS)



*Gifty Asare (BBCS)

Below: Siblings, *Justin and *Natalie Michel at Convocation



Editorial Team

Dr. Joel Goldberg, Editor
Chair of the Department of Psychology

Shira Yufe, Editor
Graduate Student, Department of Psychology

Contact Us

The Department of Psychology, Faculty of Health, York University
Behavioural Science Building, Room 101
4700 Keele Street
Toronto, ON M3J 1P3
Website: <http://psyc.info.yorku.ca/>

Undergraduate Psychology Office
Behavioural Science Building, Room 291/292
Telephone: 416 736 5117 | Email: psyc@yorku.ca
Website: <http://psyc.info.yorku.ca/>

Graduate Psychology Office
Behavioural Science Building, Room 297
Telephone: 416 736 5290 | Email: gradpsyc@yorku.ca
Website: <http://psychology.gradstudies.yorku.ca/>

Graduate Admissions
Telephone: 416 736 5000
Website: <http://futurestudents.yorku.ca/graduate>