



2024

Dollion, N., Poirier, M., Auffret, F., François, N., **Plusquellec, P.**, et Grandgeorge, M. (2024) Effects of service dogs on children with ASD's symptoms and parents' well-being: On the importance of considering those effects with a more systemic perspective. *PLoS One*. 19 1: e0295702. [Pubmed](#)

2023

Plusquellec, P., Smart, K., et Denault, V. (2023 epub ahead of print) Facial Reactivity to Emotional Stimuli is Related to Empathic Concern, Empathic Distress, and Depressive Symptoms in Social Work Students. *Psychological Reports*. 332941231181027. [Pubmed](#)

Dufour, M.M., Lanovaz, M.J., et **Plusquellec, P.** (2023) Salivary Cortisol and Stereotypy in Minimally Verbal Children with Autism: A Pilot Study. *Journal of Developmental and Physical Disabilities*. 35 4: 631-646. [Abstract](#)

Lirio, P. et **Plusquellec, P.** (2023) Affective computing technology for fostering an emotionally healthy workplace. *Strategic HR Review*. 22 4: 121-125. [Abstract](#)

Bélanger, J., Turgeon, L., Campeau, G., Goulet, J., Yale-Soulière, G., Brière, F.N., et **Plusquellec, P.** (2023) Le perfectionnisme et les symptômes intériorisés chez des étudiants universitaires : Le rôle médiateur et modérateur du soutien social perçu. *Revue canadienne des sciences du comportement*. [Abstract](#)

Turgeon, L., Thouin, É., Ayotte, E., Marion, É., Vaillancourt, J., Nault-Brière, F., et **Plusquellec, P.** (2023) Étude qualitative sur la santé psychologique d'étudiantes en psychoéducation. *Revue de psychoéducation*. 52 1: 190-220. [Abstract](#)

Turgeon, L., Goulet, J., **Plusquellec, P.**, Lévesque, J., et Nault-Brière, F. (2023) Évolution de la santé psychologique d'étudiantes en psychoéducation pendant la pandémie liée à la COVID-19 : le rôle du soutien social et des stratégies d'adaptation. *Revue de psychoéducation*. 52 1: 158-189. [Abstract](#)

Dollion, N., Association Handi'chiens, Fondation Mira, François, N., Auffret, F., **Plusquellec, P.**, et Grandgeorge, M. (2023) A more systemic perspective on the benefits of service dog on children with ASD and their familie. 32nd International Society for Anthrozoology Conference. [Conference paper](#)

Poirier, M., Grandgeorge, M., Fondation Mira, F., Association Handi'chiens, François, N., Auffret, F., **Plusquellec, P.**, et Dollion, N. (2023) Parenting profiles in parents of children with Autism Spectrum Disorder (ASD) and the effects of service dogs on these profiles. 32nd International Society for Anthrozoology Conference. Edinbourg, Ecosse, United Kingdom, 2023-06-15. [Conference paper](#)

2022

Dollion, N., Grandgeorge, M., Saint-Amour, D., Hosein Poitras Loewen, A., François, N., Fontaine, N.M.G., Champagne, N., et **Plusquellec, P.** (2022) Emotion Facial Processing in Children With Autism Spectrum Disorder: A Pilot Study of the Impact of Service Dogs. *Frontiers in psychology*. 13: 869452. [Pubmed](#)



Dollion, N., Herbin, A., Champagne, N., Plusquellec, P., et Grandgeorge, M. (2022) Characterization of Children with Autism Spectrum Disorder's Interactions with a Service Dog During Their First Encounter. *Anthrozoös*. 35 6: 867-889. [Abstract](#)

Denault, V., Talwar, V., **Plusquellec, P.**, et Larivière, V. (2022) On deception and lying: An overview of over 100 years of social science research. *Applied Cognitive Psychology*. 36 4: 805-819. [Abstract](#)

Dion-Albert, L., Cadoret, A., Doney, E., Kaufmann, F.N., Dudek, K.A., Daigle, B., Parise, L.F., Cathomas, F., Samba, N., Hudson, N., Lebel, M., Aardema, F., *Ait Bentaleb, L., Beauchamp, J., Bendahmane, H., Benoit, E., Bergeron, L., Bertone, A., Bertrand, N., Berube, F.-A., Blanchet, P., Boissonneault, J., Bolduc, C.J., Bonin, J.-P., Borgeat, F., Boyer, R., Breault, C., Breton, J.-J., Briand, C., Brodeur, J., Brule, K., Brunet, L., Carriere, S., Chartrand, C., Chenard-Soucy, R., Chevrette, T., Cloutier, E., Cloutier, R., Cormier, H., Cote, G., Cyr, J., David, P., De Benedictis, L., Delisle, M.-C., Deschenes, P., Desjardins, C.D., Desmarais, G., Dubreucq, J.-L., Dumont, M., Dumais, A., Ethier, G., Feltrin, C., Felix, A., Findlay, H., Fortier, L., Fortin, D., Fortin, L., Francois, N., Gagne, V., Gagnon, M.-P., Gignac-Hens, M.-C., Giguere, C.-E., Godbout, R., Grou, C., Guay, S., Guillem, F., Hachimi-Idrissi, N., Herry, C., Hodgins, S., Homayoun, S., Jemel, B., Joyal, C., Kouassi, E., Labelle, R., Lafortune, D., Lahaie, M., Lahlafi, S., Lalonde, P., Landry, P., Lapaige, V., Larocque, G., Larue, C., Lavoie, M.E., Leclerc, J.-J., Lecomte, T., Lecours, C., Leduc, L., Lelan, M.-F., Lemieux, A., Lesage, A.D., Letarte, A., Lepage, J., Levesque, A., Lipp, O., Luck, D., Lupien, S.J., Lusignan, F.-A., Lusignan, R., Luyet, A.J., Lynhiavu, A., Melun, J.-P., Morin, C., Nicole, L., Noël, F., Normandeau, L., O'Connor, K., Ouellette, C., Parent, V., Parizeau, M.-H., Pelletier, J.-F., Pelletier, J., Pelletier, M., **Plusquellec, P.**, Poirier, D., Potvin, S., Prevost, G., Prevost, M.-J., Racicot, P., Racine-Gagne, M.-F., Renaud, P., Ricard, N., Rivet, S., Rolland, M., Sasseville, M., Safadi, G., Smith, S., Smolla, N., Stip, E., Teitelbaum, J., Thibault, A., Thibault, L., Thibault, S., Thomas, F., Todorov, C., Tourjman, V., Tranulis, C., Trudeau, S., Trudel, G., Vacri, N., Valiquette, L., Vanier, C., Villeneuve, K., Villeneuve, M., Vincent, P., Wolfe, M., Xiong, L., Zizzi, A., Campbell, M., Turecki, G., Mechawar, N., Menard, C. et Signature, C. (2022) Vascular and blood-brain barrier-related changes underlie stress responses and resilience in female mice and depression in human tissue. *Nature Communications*. 13 1: 164. [Abstract](#)

2021

*Burger, L., Taconnat, L., Angel, L., **Plusquellec, P.**, et Fay, S. (2021) La pratique répétée du Trail Making Test réduit les différences liées à l'âge sur la performance à ce test. *Psychologie Française*. 66 2: 141-155. [Abstract](#)

*Franche-Choquette, G., *Roy, C., Dumais, A., Lafortune, D., **Plusquellec, P.**, et Geoffrion, S. (2021) Stress et fatigue chez les éducateurs en centre de réadaptation pour jeunes : influence sur leur recours aux contentions et isolements. *Revue de psychoéducation*. 50 1: 121-143. [Abstract](#)

Dollion, N., Toutain, M., François, N., Champagne, N., **Plusquellec, P.**, et Grandgeorge, M. (2021) Visual Exploration and Observation of Real-Life Interactions Between Children with ASD and Service Dogs. *Journal of Autism and Developmental Disorders*. 51 11: 3785-3805. [PubMed](#)



2020

Mathieu, C.A., **Plusquellec, P.**, Giguère, C.-É., Lupien, S., et Geoffrion, S. (2020) Acute and chronic stress among workers in residential treatment centers for youth: Effects on restraint and seclusion. *Children and Youth Services Review*. 118: 105411. [Abstract](#)

Denault, V., **Plusquellec, P.**, Jupe, L., St-Yves, M., Dunbar, N., Hartwig, M., Sporer, S., Rioux-Turcotte, J., Jarry, J., Walsh, D., Otgaar, H., Viziteu, A., Talwar, V., Keatley, D., Blandon-Gitlin, I., Townson, C., Deslauriers-Varin, N., Lilienfeld, S., Patterson, M., et Koppen, P. (2020) The analysis of nonverbal communication: The dangers of pseudoscience in security and justice contexts. *Anuario de Psicología Jurídica*. 30: 1-12. [Abstract](#)

2019

Boucher, P. et **Plusquellec, P.** (2019) Acute Stress Assessment from Excess Cortisol Secretion: Fundamentals and Perspectives. *Front in Endocrinology (Lausanne)*. 10: 749. [Pubmed](#)

*Burger, L., Fay, S., Angel, L., Borella, E., Noiret, N., **Plusquellec, P.**, et Taconnat, L. (2019) Benefit of Practice of the Stroop Test in Young and Older Adults: Pattern of Gain and Impact of Educational Level. *Experimental aging research*. 46 1: 52-67. [Pubmed](#)

Denault, V., Dunbar, N.E., et **Plusquellec, P.** (2019) The detection of deception during trials: Ignoring the nonverbal communication of witnesses is not the solution—A response to Vrij and Turgeon (2018). *The International Journal of Evidence & Proof*. 24 1: 3-11. [Abstract](#)

Dollion, N., Paulus, A., Champagne, N., St-Pierre, N., St-Pierre, É., Trudel, M., et Plusquellec, P. (2019) Fear/Reactivity in working dogs: An analysis of 37 years of behavioural data from the Mira Foundation's future service dogs. *Applied Animal Behaviour Science*. 221: 104864. [Abstract](#)

Boucher, P. et **Plusquellec, P.** (2019) Acute Stress Assessment From Excess Cortisol Secretion: Fundamentals and Perspectives. *Front Endocrinol (Lausanne)*. Hypothesis and Theory. 10. [Abstract](#)

Bencherki, N., Bourgoïn, A., Chen, H.-R., Cooren, F., Denault, V., et **Plusquellec, P.** (2019) Bodies, Faces, Physical Spaces and the Materializations of Authority, in Authority and Power in Social Interaction, F.M.a.F.C. Nicolas Bencherki, Editor Routledge. p. 77-98. [Book section](#)

Alves, A.R., Brucki, S.M.D., Nitrini, R., Lupien, S.J., **Plusquellec, P.**, et Souza-Talarico, J.N. (2019) Increased cortisol reactivity predicts cognitive impairment not dementia during aging: a follow-up study. *Psychoneuroendocrinology*. 100: S28. [Abstract](#)

Dollion, N., Grandgeorge, M., Fontaine, N.M.G., Saint-Amour, D., Hosein Poitras Loewen, A., Trudel, M., Champagne, N., Saint-Pierre, N., Saint-Pierre, É., et **Plusquellec, P.** (2019) Étude des effets du chien d'assistance sur les capacités de traitement des expressions faciales de l'enfant TSA. 87e Congrès de l'ACFAS. Gatineau, Canada. 2019-05-27. [Conference paper](#)



2018

Plusquellec, P. et Denault, V. (2018) The 1000 Most Cited Papers on Visible Nonverbal Behavior: A Bibliometric Analysis. *Journal of Nonverbal Behavior*. 3. [Abstract](#)

Ngueta, G., Verner, M.A., Fiocco, A.J., Lupien, S.J., et **Plusquellec, P.** (2018) Blood lead levels and hypothalamic-pituitary-adrenal function in middle-aged individuals. *Environmental research*. 160: 554-561. [Pubmed](#)

Couture, S., Ouimet, M.C., Dedovic, K., Laurier, C., **Plusquellec, P.**, et Brown, T.G. (2018) Blunted cortisol reactivity and risky driving in young offenders - a pilot study. *International journal of adolescent medicine and health*. 13 10: 2017-0123. [Pubmed](#)

*Massé, S. et **Plusquellec, P.** (2018) Iso-stress 2015-20: évaluation de programmes de gestion du stress (équipes, jeunes) pour le bien-être collectif. *Défi jeunesse*. 24 2: 34-46. [Abstract](#)

2017

Souza-Talarico, J.N., Marcourakis, T., Barbosa, F., Jr., Moraes Barros, S.B., Rivelli, D.P., Pompeia, S., Caramelli, P., **Plusquellec, P.**, Lupien, S.J., Catucci, R.F., Alves, A.R., et Suchecki, D. (2017) Association between heavy metal exposure and poor working memory and possible mediation effect of antioxidant defenses during aging. *Sci Total Environ*. 575: 750-757. [Pubmed](#)

Lupien, S. J., Sasseville, M., François, N., Giguère, C. E., Boissonneault, J., **Plusquellec, P.**, Godbout, R., Xiong, L., Potvin, S., Kouassi, E., Lesage, A. (2017). The DSM5/RDoC debate on the future of mental health research: Implication for studies on human stress and presentation of the signature bank. *Stress: The International Journal on the Biology of Stress*. 20 1: 95-111. [Pubmed](#)

Souza-Talarico, J. N., Suchecki, D., Juster, R. P., **Plusquellec, P.**, Barbosa Junior, F., Bunscheit, V., Marcourakis, T., de Matos, T. M. Lupien, S.J. (2017). Lead exposure is related to hypercortisolemic profiles and allostatic load in Brazilian older adults. *Environmental research*. 154: 261-268. [Pubmed](#)

2016

Besnard, T., **Plusquellec, P.**, et Thibault, I. (2016) 3.47 Coder Gender bias on observed interaction of parent. *Journal of the American Academy of Child & Adolescent Psychiatry, AACAP's 63rd Annual Meeting, AACAP's 63rd Annual Meeting*. New York, New York, 24-29 October, 55 S157. [Abstract](#)

Plusquellec, P. (2016) Revitaliser l'observation psychoéducative par l'utilisation des connaissances en science de la communication non verbale. *La Pratique en mouvement*. 12: 22-23. [Abstract](#)



Plusquellec, P., Massé, S., Fouda, Y., Gaumont, C., Bujoli, B., Reyburn, G., Wan, N., et Lupien, S.J. (2016) An Uncontrolled Pilot Study Examining Changes In Physiological and Psychological Outcomes among Adolescents with High-Risk of Behavioral Disorders Following the Distress For Success Program. *International Journal of Education and Social Science*. 3 3: 79-92. [Abstract](#)

Plusquellec, P., Paquette, D., Thomas, F., et Raymond, M. (2016) Les troubles psys expliqués par la théorie de l'évolution. Comprendre les troubles de santé mentale grâce à Darwin. Deboeck ed: Santé, médecine et sciences de l'évolution. 272 pages. [Book](#)

Plusquellec, P. et Paquette, D. (2016) Perspective évolutionniste du stress, in Les troubles psy expliqués par la théorie de l'évolution Comprendre les troubles de santé mentale grâce à Darwin, D.P. P. Plusquellec, F. Thomas, & M. Raymond, Editor Santé, médecine et sciences de l'évolution. p. 51-74. [Book section](#)

Juster, R.P., Seeman, T., McEwen, B.S., Picard, M., Mahar, I., Sindi, S., Smith, N.G., Souza-Talarico, J.N., Mechawar, N., Sarnyai, Z., Lanoix, D., **Plusquellec, P.**, Ouellet-Morin, I., et Lupien, S.J. (2016) Social Inequalities and the Road to Allostatic Load: From Vulnerability to Resilience, in *Developmental Psychopathology*, I. John Wiley & Sons, Editor. p. 1-54. [Abstract](#)

2015

Plusquellec, P., Verner, M.A., Desjardins, J., Cartier, J., Ayotte, P., Dewailly, É., Muckle, G. (2015) Prenatal and Early-Life Polychlorinated Biphenyl (PCB) Levels and Behavior in Inuit Preschoolers. *Environment International*, 78: 90-94. [Pubmed](#)

Plusquellec, P., Trépanier, L., *Juster, R.P., *Marin, M.F., François, N., *Sindi, S., Wan, N., Findlay, H., Durand, N., et Lupien, S.J. (2015) Étude pilote des effets du programme Distresse et Progresse chez les élèves de dernière année du primaire. Numéro spécial de l'association canadienne d'éducation de la langue française (ACELF). 43 2: 6-29. [Abstract](#)

*Fecteau, S.-M. et **Plusquellec, P.** (2015) Recherche action - Adaptation au stress : mieux comprendre et soutenir l'adolescent. *L'Express*. 8: 31-33. [Abstract](#)

2014

Riva, M., **Plusquellec, P.**, *Juster, R.P., Laouan-Sidi, E.A., Abdous, B., Lucas, M., Déry, S. et Dewailly, E. (2014). Household crowding is associated with higher allostatic load among Inuit. *Journal of epidemiology and community health*. 68 4: 363-369. [Pubmed](#)

Souza-Talarico, J. N., **Plusquellec, P.**, Lupien, S. J., Fiocco, A., & Suchecki, D. (2014). Cross-country differences in Basal and stress-induced cortisol secretion in older adults. *PLoS One*. 9 8: e105968. [Pubmed](#)

2013

Paquette, D., Larivée, S., Lemelin, J. P., Normandeau, S., Baril, D., & **Plusquellec, P.** (2013). L'égalité des sexes n'a rien à voir avec la science! *Revue de psychoéducation*. 42 2: 419-433. [Abstract](#)



Lupien, S.J., Ouellet-Morin, I., Trépanier, L., *Juster, R.P., *Marin, M., François, N., *Sindi, S., Wan, N., Findlay, H., Durand, N., Cooper, L., Schramek, T., Andrews, J., Corbo, V., Dedovic, K., Lai, B., et **Plusquellec, P.** (2013) The DeStress for Success Program: Effects of a Stress Education Program on Cortisol Levels and Depressive Symptomatology in Adolescents Making the Transition to High School. *Neuroscience*. 249 Special Issue on : Stress and the Adolescent Brain: 74-87. [Pubmed](#)

*Trépanier, L., *Juster, R. P., *Marin, M. F., **Plusquellec, P.**, Francois, N., *Sindi, S., Wan, N., Findlay, H., Schramek, T., Andrews, J., Corbo, V., Dedovic, K., **Lupien, S.** (2013). Early menarche predicts increased depressive symptoms and cortisol levels in Quebec girls ages 11 to 13. *Development and psychopathology*. 25: 1017-1027. [Pubmed](#)

Plusquellec, P. (2013) Method and System for Helping a User to Detect and Manage their Stress using a Smartphone, CR-IUSMM, Editor. [Rapport](#)

2012

Saint-Amour, D., Ethier, A.A., Boucher, O., **Plusquellec, P.**, Bastien, C.H., Dewailly, E., Ayotte, P., Jacobson, S.W., Jacobson, J.L., et Muckle, G. (2012) Contribution des neurosciences cognitives pour l'étude de l'impact des contaminants environnementaux sur le développement des fonctions cérébrales. *Revue de Neuropsychologie*. 4 3: 163-173 [Abstract](#)

Boucher, O., Jacobson, S.W., **Plusquellec, P.**, Dewailly, E., Ayotte, P., Forget-Dubois, N., Jacobson, J. L., Muckle, G. (2012) Prenatal methylmercury, postnatal lead exposure, and evidence of attention deficit/hyperactivity disorder among Inuit children in Arctic Quebec. *Environmental Health Perspectives*. 120 10: 1456-1461. [Pubmed](#)

Plusquellec, P., Fiocco, A., et **Lupien, S.J.** (2012) Low lead levels associated with blunted cortisol reactivity in a sample of elders from the general population. *European Journal of Psychotraumatology*. 3 Supplement 1. [Abstract](#)

2011

*Juster, R. P., Bizik, G., Picard, M., *Arsenault-Lapierre, G., *Sindi, S., *Trepanier, L., *Marin, M. F., Wan, N., Sekerovic, Z., Lord, C., Fiocco, A. J., **Plusquellec, P.**, McEwen, B. S., Lupien, S. J. (2011) A transdisciplinary perspective of chronic stress in relation to psychopathology throughout lifespan development. *Development and psychopathology*. 23 3: 725–776. [Pubmed](#)

Plusquellec, P., Ouellet-Morin, I., Feng, B., Perusse, D., Tremblay, R. E., Lupien, S. J., Boivin, M. (2011) Salivary cortisol levels are associated with resource control in a competitive situation in 19 month-old boys. *Hormones and behavior*. 60 2: 159-164. [Pubmed](#)

2010

Verner, M. A., **Plusquellec, P.**, Muckle, G., Ayotte, P., Dewailly, E., Jacobson, S. W., et al. (2010). Alteration of infant attention and activity by polychlorinated biphenyls: Unravelling critical windows of susceptibility using physiologically based pharmacokinetic modeling. *Neurotoxicology*. 31 5: 424-31. [Pubmed](#)



Donaldson, S.G., Van Oostdam, J., Tikhonov, C., Feeley, M., Armstrong, B., Ayotte, P., Boucher, O., Bowers, W., Chan, L., Dallaire, F., Dallaire, R., Dewailly, E., Edwards, J., Egeland, G.M., Fontaine, J., Furgal, C., Leech, T., Loring, E., Muckle, G., Nancarrow, T., Pereg, D., **Plusquellec, P.**, Potyrala, M., Receveur, O., et Shearer, R.G. (2010). Environmental contaminants and human health in the Canadian Arctic. *The Science of the Total Environment*. 408 22: 5165-5234. [Pubmed](#)

Plusquellec, P., Dewailly, E., Ayotte, P., Begin, G., Desrosiers, C., Després, C., Saint-Amour, D., et Muckle, G. (2010) The relation of environmental contaminants exposure to behavioral indicators in Inuit preschoolers in Arctic Quebec. *Neurotoxicology*. 31 1: 17-25. [Pubmed](#)

2007

Plusquellec P, Muckle G, Dewailly E, Ayotte P, Jacobson SW, Jacobson JL. (2007) The relation of low-level prenatal lead exposure to behavioral indicators of attention in Inuit infants in Arctic Quebec. *Neurotoxicology and teratology*. 29: 527-37. [Pubmed](#)

Plusquellec P, François N, Boivin M, Pérusse D, Tremblay RE. (2007) Dominance among unfamiliar peers starts in infancy. *Infant mental health journal*. 28: 324-343. [Pubmed](#)

2001

Plusquellec, P., Bouissou, M.F., Le Pape, G. (2001) Early Predictors of Dominance Ability in Heifers (*Bos taurus*, L.) of the Hérens Breed. *Behaviour*. 138 8: 1009-1031. [Abstract](#)

Plusquellec, P., Bouissou, M.F. (2001) Behavioural characteristics of two dairy breeds of cows selected (Hérens) or not (Brune des Alpes) for fighting and dominance ability. *Applied Animal Behaviour Science*. 72 1: 1-21. [Pubmed](#)