

André Krumel Portella

MD, PhD | Academic Curriculum Vitae

Research Associate, Douglas Research Centre | Montréal, Canada

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Research profile

My research connects developmental origins of health and disease with neuroscience, eating behavior and gene-environment interaction. I work with colleagues to understand how early experiences relate to later responses to food and other environmental conditions, and to the coexistence of mental and metabolic health problems.

Research interests include developmental origins of health and disease, early adversity, gene-environment interaction, insulin and dopamine signaling, eating behavior, and the co-occurrence of mental and metabolic health problems.

Research and academic appointments

2019-present | Research Associate

Douglas Research Centre. Manage Cerebra, a 16-node high-performance computing cluster hosted at McGill University for the Meaney and Silveira laboratories. Work within a bioinformatics and biostatistics team.

2016-2019 | Research Associate

Desautels Faculty of Management, McGill University. Research at the McGill Centre for the Convergence of Health and Economics and the Brain to Society initiative, examining social, governmental, private-sector and biological influences.

2014-2016 | Assistant Professor, Pediatrics

Universidade Federal de Ciências da Saúde de Porto Alegre (UFCSPA), Brazil. Social Pediatrics; chair of the fourth-year pediatric internship in 2015.

2011-2012 | Postdoctoral Fellow, Pediatrics

Universidade Federal do Rio Grande do Sul (UFRGS), Brazil

2006-2009 | Research Assistant

Douglas Mental Health University Institute. PhD experiments and thesis research.

Education and academic degrees

2009-2011 | PhD in Medicine | UFRGS

2005-2006 | Fellowship in Neonatology | McGill University

2004-2005 | MSc in Neuroscience | UFRGS

2003-2004 | Residency in Pediatrics | UFCSPA

1994-2000 | Medicine | UFRGS

Research computing and software projects

Cerebra high performance computing

I manage Cerebra, a 16-node high-performance computing (HPC) cluster hosted at McGill University for the Meaney and Silveira laboratories. I work within a bioinformatics and biostatistics team, supporting the computing infrastructure needed for collaborative biomedical research.

cerebra.meaney.lab.mcgill.ca

SABICHAO | Connecting scientific claims to their sources

SABICHAO is a research tool I'm developing to help researchers explore scientific papers through the claims they make and the sources they cite. It organizes PDFs into structured, searchable content while preserving sections, paragraphs, figures, tables, and source locations.

Current prototype: identifies citances, matches citation markers to bibliography entries, produces reports for human review, connects to local Zotero collections, and reconciles reference information with scholarly databases.

Total Presence Research Engine | Mapping Health Science in Public Conversation

I developed Total Presence Research Engine to help researchers explore how health science is discussed outside academic research. The platform collects scientific abstracts, news articles, and YouTube transcripts, identifies relevant passages, and organizes them into interactive maps and research briefs.

The current pilot focuses on early-life conditions, childhood adversity, and later metabolic and mental health. Every observation links back to its source, making it easier to inspect the evidence, question an AI interpretation, and identify topics for further research or science communication.

Research funding

2014-2015 | Principal Investigator | Conselho Nacional de Desenvolvimento Científico e Tecnológico (CNPq), Chamada Universal 14/2014. "Neonatal overfeeding and the modulation of mesocorticolimbic dopamine by Insulin." R\$18,000.00.

Awards and training fellowships

2012 Travel Stipend Award - CAPES

2011 Junior Investigator Travel Stipend Award, 7th World Congress on Developmental Origins of Health and Disease (DOHaD 2011).

2009 PhD salary award - CAPES

2007 Endo 2007 Trainee Day Travel Award, Endo Society.

2005 Clinical Academic Fellowship, Department of Pediatrics, McGill University.

2004 Master's in Science salary award CNPq (Conselho Nacional de Desenvolvimento Científico e Tecnológico)

2003 Residency fellowship from the Ministry of Education and Culture (Ministerio de Educação e cultura - MEC)

Teaching

MRKT709 · Decision Neuroscience · McGill University · Co-instructor with Prof. Laurette Dubé | Fall 2017, 2018, 2019

Decision neuroscience across cognitive, systems, and behavioral research, including biological, social, political, and cultural influences on decision making. | 5-10 students

MRKT705 · Seminars in Marketing and Precision Retailing · McGill University · Co-instructor with Prof. Laurette Dubé | Summer 2017, 2018

Doctoral seminars in decision neuroscience for consumer behavior, marketing, retailing, information systems, finance, and strategy. | 5-10 students

General Pediatrics 2 · Social Pediatrics clinical rotation · UFCSPA · Main tutor and supervisor | 2014-1, 2014-2, 2015-1, 2015-2

Clinical supervision of medical students in rotation at the Social Pediatrics clinics | 10-15 students 40h

General Pediatrics 2 · Social Pediatrics theory · UFCSPA · Main instructor | 2014-1, 2014-2, 2015-1, 2015-2

Social and economic determinants of pediatric health. | 10-15 students 8h

General Pediatrics 2 · Fourth-year theory · UFCSPA · Course coordinator | 2014-1, 2014-2, 2015-1, 2015-2

General topics in pediatrics, theoretical program for the 4th year medical students. | 80 students 80h

Social Pediatrics residency · UFCSPA · Clinical supervisor | 2014-1, 2014-2, 2015-1, 2015-2

Clinical supervision of pediatric residents in rotation at the Social Pediatrics clinics | 16h/w Small groups

Emergency rotation · UFCSPA · Clinical supervisor | 2014-1, 2014-2, 2015-1, 2015-2

Clinical supervision of pediatric residents and medical students in rotation at emergency department | 8h/w Small groups

Developmental Origins of Health and Disease (PED00066) · UFRGS · Collaborator | 2012

Historical and molecular foundations of DOHaD and its public health implications. Main instructor: Patricia P. Silveira. | 20 Students 12h

DOHaD · IPGS · Main instructor | 2011 2012

Class about the Developmental Origins of Health and Disease | 20 students 6h

EPIB526 Society, Human Biology and Health · McGill University · Collaborator | Spring 2007, Fall 2008

Early life programming of the HPA axis, glucocorticoid exposure, and maternal care. Main instructor: Eric Loucks. | 20 Students

Graduate supervision

2016-2022 | Thesis Supervisor

Department of Pediatrics, Universidade Federal de Ciências da Saúde de Porto Alegre (UFCSPA), Brazil. Supervision of graduate students in the Master's Program in Pediatrics.

Scientific journal reviewing

2018 - BBA Molecular Basis of Disease

2018 - Nutrients

2018 - Appetite

2017 - Neuroscience Letters

2015 - Pediatrics

2012 - The Journal of Pediatrics

2012 - Revista HCPA (Online)

2012 - Plos One

2011 - Journal of Developmental Origins of Health and Disease

2007 - Pan American Journal of Public Health

Earlier clinical appointments

2012-2016 | Pediatrician, Emergency Department

Hospital da Criança Santo Antônio. Pediatric emergency care and preceptorship of medical and pediatric residents.

2012-2014 | Chief of Pediatrics

Hospital Porto Alegre. Pediatric walk-in clinics.

2004-2005 | Pediatrician

Private clinics and hospitals. On-call duties in emergency departments and pediatric clinics.

2000-2002 | General Practitioner

Medsaude LTDA. General and occupational medicine clinics.

Professional qualifications

Specialist in Pediatrics, Brazilian Ministry of Education and Culture, 2004; specialist certification, Brazilian Society of Pediatrics, 2004.

Professional qualification certificates, Associação Médica do Rio Grande do Sul, 2000 and 2001. Valid permit to practice medicine in Brazil.

Since moving to Canada in 2016, professional work has been in academic and technical research roles.

Peer reviewed journal publications

Listed newest to oldest by year. The author's name is shown in bold.

1. Barth B, Miguel PM, Pokhvisneva I, **Portella AK**, Meaney MJ, Silveira PP. Differentiating genetic and gene-environment interaction profiles of physical and mental health disorders. *Commun Med (Lond)*. 2026 Jul 1. doi: 10.1038/s43856-026-01748-7. Epub ahead of print. PMID: 42386896.
2. Miguel PM, Barth B, Batra A, Alves MB, Arcego DM, Alberry B, Dalle Molle R, Gómez-Illasca A, Zhang TY, Wen X, Parent C, O'Toole N, **Portella AK**, Silveira PP. Insulin modulates mPFC gene expression and emotional behavior in a sex-specific manner following fetal growth restriction. *Brain Behav Immun*. 2026 Jun 30;138:106887. doi: 10.1016/j.bbi.2026.106887. Epub ahead of print. PMID: 42379381.
3. Silveira PP, **Portella AK**, Wang Z, Hoppe JPM, Pokhvisneva I, Meaney MJ. Early life adversity and the comorbidity of psychopathology and cardiometabolic disorders: insights from the UK Biobank. *BMJ Public Health*. 2025 Dec 17;3(2):e003051. doi: 10.1136/bmjph-2025-003051. PMID: 41431608; PMCID: PMC12718600.
4. Barth B, Arcego DM, de Mendonça Filho EJ, de Lima RMS, Parent C, Dalmaz C, **Portella AK**, Pokhvisneva I, Meaney MJ, Silveira PP. Striatal dopamine gene network moderates the effect of early adversity on the risk for adult psychiatric and cardiometabolic comorbidity. *Sci Rep*. 2024 Nov 9;14(1):27349. doi: 10.1038/s41598-024-78465-5. PMID: 39521843; PMCID: PMC11550826.
5. Scudine KGO, Castelo PM, Hoppe JPM, **Portella AK**, Silveira PP. Early Influences on Development of Sensory Perception and Eating Habits. *Adv Nutr*. 2024 Dec;15(12):100325. doi: 10.1016/j.advnut.2024.100325. Epub 2024 Oct 18. PMID: 39426730; PMCID: PMC11602616.
6. **Portella AK**, Papantoni A, Joseph AT, Chen L, Lee RS, Silveira PP, Dube L, Carnell S. Genetically-predicted prefrontal DRD4 gene expression modulates differentiated brain responses to food cues in adolescent girls and boys. *Sci Rep*. 2021 Dec 16;11(1):24094. doi: 10.1038/s41598-021-02797-9. PMID: 34916545; PMCID: PMC8677785.
7. Paquet C, **Portella AK**, Moore S, Ma Y, Dagher A, Meaney MJ, Kennedy JL, Levitan RD, Silveira PP, Dubé L. Dopamine D4 receptor gene polymorphism (DRD4 VNTR) moderates real-world behavioural response to the food retail environment in children. *BMC Public Health*. 2021;21(1):145. doi: 10.1186/s12889-021-10160-w. PMID: 33530977.
8. Batra A, Latsko M, **Portella AK**, Silveira PP. Early adversity and insulin: neuroendocrine programming beyond glucocorticoids. *Trends Endocrinol Metab*. 2021 Dec;32(12):1031-1043. doi: 10.1016/j.tem.2021.09.003. Epub 2021 Oct 8. PMID: 34635400.
9. **Portella AK**, Papantoni A, Paquet C, Moore S, Rosch KS, Mostofsky S, Lee RS, Smith KR, Levitan R, Silveira PP, Carnell S, Dube L. Predicted DRD4 prefrontal gene expression moderates snack intake and stress perception in response to the environment in adolescents. *PloS one*. 2020;15(6):e0234601. doi: 10.1371/journal.pone.0234601.
10. Nielsen DE, Han Y, Paquet C, **Portella AK**, Ma Y, Dube L. Interaction of DRD2/ANKK1 Taq1A Genotype with in-Store Retail Food Environment Exposures on Diet Quality in a Cohort of Quebec Adults. *Lifestyle Genom*. 2020;13(2):74-83. doi: 10.1159/000504603.
11. **Portella AK**, Paquet C, Bischoff AR, Molle RD, Faber A, Moore S, Arora N, Levitan R, Silveira PP, Dube L. Multi-behavioral obesogenic phenotypes among school-aged boys and girls along the birth weight continuum. *PloS one*. 2019;14(2):e0212290. doi: 10.1371/journal.pone.0212290.
12. Bischoff AR, **Portella AK**, Paquet C, Dalle Molle R, Faber A, Arora N, Levitan RD, Silveira PP, Dube L. Low birth weight is associated with increased fat intake in school-aged boys. *Br J Nutr*. 2018;119(11):1295-1302. doi: 10.1017/s0007114518000892.

13. Laureano DP, Molle RD, **Portella AK**, Silveira PP. Facial Expressions in Small for Gestational Age Newborns. *J Child Neurol*. 2016;31(3):398-399. doi: 10.1177/0883073815592225.
14. Dalle Molle R, Bischoff AR, **Portella AK**, Silveira PP. The fetal programming of food preferences: current clinical and experimental evidence. *J Dev Orig Health Dis*. 2016;7(3):222-230. doi: 10.1017/s2040174415007187.
15. Agranonik M, **Portella AK**, Hamilton J, Fleming AS, Steiner M, Meaney MJ, Levitan RD, Silveira PP, team Ms. Breastfeeding in the 21st century. *Lancet*. 2016;387(10033):2088-2089. doi: 10.1016/s0140-6736(16)30536-0.
16. **Portella AK**, Silveira PP, Laureano DP, Cardoso S, Bittencourt V, Noschang C, Werlang I, Fontella FU, Dalmaz C, Goldani MZ. Litter size reduction alters insulin signaling in the ventral tegmental area and influences dopamine-related behaviors in adult rats. *Behavioural brain research*. 2015;278:66-73. doi: 10.1016/j.bbr.2014.09.033.
17. Cunha Fda S, Dalle Molle R, **Portella AK**, Benetti Cda S, Noschang C, Goldani MZ, Silveira PP. Both food restriction and high-fat diet during gestation induce low birth weight and altered physical activity in adult rat offspring: the "Similarities in the Inequalities" model. *PloS one*. 2015;10(3):e0118586. doi: 10.1371/journal.pone.0118586.
18. Silveira PP, **Portella AK**, Kennedy JL, Gaudreau H, Davis C, Steiner M, Soares CN, Matthews SG, Sokolowski MB, Dube L, Loucks EB, Hamilton J, Meaney MJ, Levitan RD, Team MS. Association between the seven-repeat allele of the dopamine-4 receptor gene (DRD4) and spontaneous food intake in pre-school children. *Appetite*. 2014;73:15-22. doi: 10.1016/j.appet.2013.10.004.
19. **Portella AK**, Silveira PP. Neurobehavioral determinants of nutritional security in fetal growth-restricted individuals. *Ann N Y Acad Sci*. 2014;1331:15-33. doi: 10.1111/nyas.12390.
20. Noschang C, **Portella AK**, Cardoso S, Bittencourt V, Dalmaz C, Goldani MZ, Silveira PP. Neonatal overfeeding induced by reducing the litter size leads to an obese phenotype and increases preference for sweet food in adult male rats. *British Journal of Medicine & Medical Research*. 2014;4(4):957-968. doi: 10.9734/BJMMR/2014/5161.
21. **Portella AK**, Silveira PP. Parenting: roots of the sweet tooth. *Science*. 2014;345(6204):1571-1572. doi: 10.1126/science.345.6204.1571-c.
22. Neuwald MF, Agranonik M, **Portella AK**, Fleming A, Wazana A, Steiner M, Levitan RD, Meaney MJ, Silveira PP, Team MS. Transgenerational effects of maternal care interact with fetal growth and influence attention skills at 18 months of age. *Early Hum Dev*. 2014;90(5):241-246. doi: 10.1016/j.earlhumdev.2014.01.015.
23. Silveira PP, Benetti Cda S, **Portella AK**, Diehl LA, Molle RD, Lucion AB, Dalmaz C. Brief daily postpartum separations from the litter alter dam response to psychostimulants and to stress. *Braz J Med Biol Res*. 2013;46(5):426-432. doi: 10.1590/1414-431x20132784.
24. Machado TD, Dalle Molle R, Laureano DP, **Portella AK**, Werlang IC, Benetti Cda S, Noschang C, Silveira PP. Early life stress is associated with anxiety, increased stress responsivity and preference for "comfort foods" in adult female rats. *Stress*. 2013;16(5):549-556. doi: 10.3109/10253890.2013.816841.
25. Bernardi JR, Ferreira CF, Senter G, Krolow R, de Aguiar BW, **Portella AK**, Kauer-Sant'anna M, Kapczinski F, Dalmaz C, Goldani MZ, Silveira PP. Early life stress interacts with the diet deficiency of omega-3 fatty acids during the life course increasing the metabolic vulnerability in adult rats. *PloS one*. 2013;8(4):e62031. doi: 10.1371/journal.pone.0062031.
26. Silveira PP, Agranonik M, Faras H, **Portella AK**, Meaney MJ, Levitan RD, Maternal Adversity V, Neurodevelopment Study T. Preliminary evidence for an impulsivity-based thrifty eating phenotype. *Pediatr Res*. 2012;71(3):293-298. doi: 10.1038/pr.2011.39.

27. **Portella AK**, Kajantie E, Hovi P, Desai M, Ross MG, Goldani MZ, Roseboom TJ, Silveira PP. Effects of in utero conditions on adult feeding preferences. *J Dev Orig Health Dis*. 2012;3(3):140-152. doi: 10.1017/s2040174412000062.
28. Dalle Molle R, **Portella AK**, Goldani MZ, Kapczinski FP, Leistner-Segal S, Salum GA, Manfro GG, Silveira PP. Associations between parenting behavior and anxiety in a rodent model and a clinical sample: relationship to peripheral BDNF levels. *Transl Psychiatry*. 2012;2:e195. doi: 10.1038/tp.2012.126.
29. Goldani MZ, Mosca PRF, **Portella AK**, Silveira PP, da Silva CH. O impacto da transição demográfico-epidemiológica na saúde da criança e do adolescente do Brasil. *Clinical & Biomedical Research*. 2012;32(1). Publication record.
30. Molle RD, Krolow R, Jesus RBd, **Portella AK**, Dalmaz C, Manfro GG, Silveira PP. Produção de óxido nítrico no hipocampo: investigação do envolvimento do óxido nítrico sintase neuronal no desenvolvimento de comportamentos ansiosos em animais submetidos a estresse neonatal. *Rev HCPA & Fac Med Univ Fed Rio Gd do Sul*. 2012;42-48. Publication record.
31. Ayres C, Agranonik M, **Portella AK**, Filion F, Johnston CC, Silveira PP. Intrauterine growth restriction and the fetal programming of the hedonic response to sweet taste in newborn infants. *International journal of pediatrics*. 2012;657379. doi: 10.1155/2012/657379.
32. Silveira PP, **Portella AK**, Benetti Cda S, Zugno AI, Scherer EB, Mattos CB, Wyse AT, Lucion AB, Dalmaz C. Association between Na(+),K(+)-ATPase activity and the vulnerability/resilience to mood disorders induced by early life experience. *Neurochem Res*. 2011;36(11):2075-2082. doi: 10.1007/s11064-011-0531-1.
33. Balanza-Martinez V, Fries GR, Colpo GD, Silveira PP, **Portella AK**, Tabares-Seisdedos R, Kapczinski F. Therapeutic use of omega-3 fatty acids in bipolar disorder. *Expert Rev Neurother*. 2011;11(7):1029-1047. doi: 10.1586/ern.11.42.
34. Ayres C, Silveira PP, Barbieri MA, **Portella AK**, Bettiol H, Agranonik M, Silva AA, Goldani MZ. Exposure to maternal smoking during fetal life affects food preferences in adulthood independent of the effects of intrauterine growth restriction. *J Dev Orig Health Dis*. 2011;2(3):162-167. doi: 10.1017/s204017441100016x.
35. Silveira PP, **Portella AK**, Assis SA, Nieto FB, Diehl LA, Crema LM, Peres W, Costa G, Scorza C, Quillfeldt JA, Lucion AB, Dalmaz C. Early life experience alters behavioral responses to sweet food and accumbal dopamine metabolism. *Int J Dev Neurosci*. 2010;28(1):111-118. doi: 10.1016/j.ijdevneu.2009.08.018.
36. **Portella AK**, Silveira PP, Diehl LA, Crema LM, Clemente Z, Peres W, Costa G, Scorza C, Quillfeldt JA, Dalmaz C. Early life handling decreases serotonin turnover in the nucleus accumbens and affects feeding behavior of adult rats. *Developmental psychobiology*. 2010;52(2):190-196. doi: 10.1002/dev.20420.
37. Fernandes FS, **Portella AK**, Barbieri MA, Bettiol H, Silva AA, Agranonik M, Silveira PP, Goldani MZ. Risk factors for sedentary behavior in young adults: similarities in the inequalities. *J Dev Orig Health Dis*. 2010;1(4):255-261. doi: 10.1017/s204017441000019x.
38. Barbieri MA, **Portella AK**, Silveira PP, Bettiol H, Agranonik M, Silva AA, Goldani MZ. Severe intrauterine growth restriction is associated with higher spontaneous carbohydrate intake in young women. *Pediatr Res*. 2009;65(2):215-220. doi: 10.1203/pdr.0b013e31818d6850.
39. Silveira PP, **Portella AK**, Crema L, Correa M, Nieto FB, Diehl L, Lucion AB, Dalmaz C. Both infantile stimulation and exposure to sweet food lead to an increased sweet food ingestion in adult life. *Physiology & behavior*. 2008;93(4-5):877-882. doi: 10.1016/j.physbeh.2007.12.003.
40. Bettiol H, Sabbag Filho D, Haeffner L, Barbieri M, Silva A, Portella A, Silveira P, Goldani M. Do intrauterine growth restriction and overweight at primary school age increase the risk of elevated body mass index in young adults? *Brazilian Journal of Medical and Biological Research*. 2007;40(9):1237-1243. doi: 10.1590/s0100-879x2007000900011.

41. Silveira PP, **Portella AK**, Goldani MZ, Barbieri MA. Developmental origins of health and disease (DOHaD). *J Pediatr (Rio J)*. 2007;83(6):494-504. doi: 10.2223/jped.1728.
42. Diehl LA, Silveira PP, Leite MC, Crema LM, **Portella AK**, Billodre MN, Nunes E, Henriques TP, Fidelix-da-Silva LB, Heis MD, Goncalves CA, Quillfeldt JA, Dalmaz C. Long lasting sex-specific effects upon behavior and S100b levels after maternal separation and exposure to a model of post-traumatic stress disorder in rats. *Brain Res*. 2007;1144:107-116. doi: 10.1016/j.brainres.2007.01.084.
43. Benetti CS, Silveira PP, **Portella AK**, Diehl LA, Nunes E, de Oliveira VS, Dalmaz C, Goldani MZ. Could preference for palatable foods in neonatally handled rats alter metabolic patterns in adult life? *Pediatr Res*. 2007;62(4):405-411. doi: 10.1203/pdr.0b013e31813cbe8b.
44. Silveira PP, da Silva Benetti C, Ayres C, Pederiva FQ, **Portella AK**, Lucion AB, Dalmaz C. Satiety assessment in neonatally handled rats. *Behavioural brain research*. 2006;173(2):205-210. doi: 10.1016/j.bbr.2006.06.031.
45. Silveira PP, **Portella AK**, Goldani MZ. Obesity in Latin America: similarity in the inequalities. *Lancet*. 2005;366(9484):451-452. doi: 10.1016/s0140-6736(05)67054-7.
46. Silveira PP, **Portella AK**, Clemente Z, Gamaro GD, Dalmaz C. The effect of neonatal handling on adult feeding behavior is not an anxiety-like behavior. *Int J Dev Neurosci*. 2005;23(1):93-99. doi: 10.1016/j.ijdevneu.2004.07.018.
47. Silveira PP, **Portella AK**, Clemente Z, Bassani E, Tabajara AS, Gamaro GD, Dantas G, Torres IL, Lucion AB, Dalmaz C. Neonatal handling alters feeding behavior of adult rats. *Physiology & behavior*. 2004;80(5):739-745. doi: 10.1016/j.physbeh.2003.12.009.

Book chapters

1. Barth, B., **Portella, A. K.**, Dubé, L., Meaney, M. J., & Silveira, P. P. The Interplay Between Dopamine and Environment as the Biological Basis for the Early Origins of Mental Health. In: Early Life Origins of Ageing and Longevity. Springer, Cham, 2019. p. 121-140.
2. **Portella, A.K.**, Goldani, M.Z., Silveira, P.P., Barbieri, M.A. Origens Desenvolvimentistas da Saúde do Adulto (DOHaD): Nutrição e Saúde Pública. In: Nutrição em Saúde Pública ed.Rio de Janeiro : Editora Rúbio, 2010
3. **Portella, A. K.**, Silveira, P. P., Goldani, M. Z. Origens Desevolvimentistas da Saúde e da Doença In: PRORN - Programa de Atualizacao em Neonatologia ed.Porto Alegre : Artmed, 2007, v.4, p. 45-77.

Congress oral presentations

1. PORTELLA, A. K.; SILVEIRA, P. P. Early Life Biological and Environmental Interactions and the development of food Preferences. PAHO/WHO Pan American Conference on Obesity, 2013.
2. PORTELLA, A. K.; SILVEIRA, P. P.; BETTIOL, H.; BARBIERI, M. A.; GOLDANI, M. Z. Investigating the Predictive Adaptive Response Theory in a Brazilian Birth Cohort. 7th World Congress on Developmental Origins of Health and Disease, 2011.
3. **Portella, A.K.**; Silveira, P.P.; PARENT, C.; KAPPELER, L.; DIORIO, J.; MEANEY, M. J. Early life environment and the development of metabolic syndrome in adulthood, 6th World Congress on Developmental Origins of Health and Disease, 2009.
4. SILVEIRA, P. P.; **Portella, A.K.**; DIORIO, J.; Graudeau, H.; MEANEY, M. J.; Levitan R. Intrauterine growth restriction is associated with increased impulsivity using the Snack Delay Test in 3 years old girls, Pediatric Academic Societies Annual Meeting, 2009.
5. GOLDANI, M. Z.; AYRES, C.; SILVEIRA, P. P.; **Portella, A. K.**; SILVA, A. A. M.; BETTIOL, H.; BARBIERI, M. A. Severe Intrauterine Growth Restriction is Associated with Increased Carbohydrate Intake in Young Women, 4th World Congress on Developmental Origins of Health & Disease, 2006.
6. **Portella, A. K.**; SILVEIRA, P. P.; DIHR, S.; MCALLISTER, K.; HELLSTROM, I.; DIORIO, J.; MEANEY, M. J. Insulin resistance is related to maternal care in rats at day 4 of life.33rd Annual Meeting of the Fetal and Neonatal Physiological Society, 2006

Abstracts presented at scientific meetings

1. **Portella AK**, Gupta N, Silveira PP, Arora N, Dubé L. Mediating Effect of Insulin on Impact of Stunting on Child Neurodevelopment in a Cohort of Rural Indian Children. Society for Behavioral Medicine, 2018, New Orleans, US
2. Molle, R. D., **Portella, A. K.**, Fontella, F. U., Benetti, C. S., Reis Ar, Salum Ga, Manfro Gg, Goldani, M. Z., Silveira, P. P. Brain-Derived Neurotrophic Factor Levels and Behavioral and Metabolic Responses Later in Life in an Animal Model of Early Life Stress. In: 7th World Congress on Developmental Origins of Health and Disease, 2011, Portland. Journal of Developmental Origins of Health and Disease. Cambridge: Cambridge University Press, 2011. v.2.
3. Agranonik, M., **Portella, A. K.**, Meaney, M. J., Levitan R., Silveira, P. P. Breastfeeding Duration Is Associated with Food Preferences in Girls and Feeding Behavior in Boys at 4 Years of Age. In: 7th World Congress on Developmental Origins of Health and Disease, 2011, Portland. Journal of Developmental Origins of Health and Disease. Cambridge: Cambridge University Press, 2011. v.2.
4. Benetti, C. S., Vido H.G., Molle, R. D., **Portella, A. K.**, Fontella, F. U., Werlang I, Bernardi, Jr, Mariana, Dalmaz, C., Silveira, P.P., Goldani, M. Z. Exposure to Different Types of Diets during Gestation and Lactation Period Influence Maternal Care, Milk Composition and Body Weight of Neonatally Handled and Non-Handled Pups. In: 7th World Congress on Developmental Origins of Health and Disease, 2011, Portland. Journal of Developmental Origins of Health and Disease. Cambridge: Cambridge University Press, 2011. v.2.
5. Portella, A, Bittencourt, V., Cardoso, S., Dalmaz, C., Silveira, P. P., Fontella, F. U., Goldani, M. Z. Superalimentação Neonatal altera a ingestão de alimentos doces em resposta ao estresse de pinçamento de cauda na vida adulta In: 7 Congresso Brasileiro de Cérebro, Comportamento e Emoções, 2011, Gramado. Anais do Evento. , 2011.
6. Bernardi, Jr, Ferreira Cf, Senter, G, Huffel Aps, Krolow R, Arcego Dm, **Portella, A. K.**, Kauer-Sant'anna, M, Goldani, Mz, Dalmaz, C., Kapczinski, F., Silveira, P. P. Vulnerability to a Nutritional Deficiency of N-3 Polyunsaturated Fatty Acids (N-3 Pufas) by Exposure to Early Stress - Effects on Behavior and Metabolism In: 7th World Congress on Developmental Origins of Health and Disease, 2011, Portland. Journal of Developmental Origins of Health and Disease. Cambridge: Cambridge University Press, 2011. v.2.
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