Curriculum Vitae **MARGARITA C. CURRÁS-COLLAZO, Ph.D., FAPS**
September 15, 2020 **mcur@ucr.edu**

ADDRESS

University of California, Riverside
Department of Molecular, Cell and Systems Biology
2110 Biological Sciences Building
900 University Avenue
Riverside, CA 92521
(951) 827-3960 (Office)
(951) 827-3709 (Lab)
(951) 827-3087 (FAX)
https://mcurlab.ucr.edu/

EDUCATION

1978-1982 B.S. Biology and Psychology (*cum laude)*
Tulane University, New Orleans, LA
1983-1989 Ph.D. Medical Physiology
The Ohio State University, Columbus, OH

PROFESSIONAL EXPERIENCE

1982-1989 Graduate Research Associate, Department of Physiology, The Ohio State University, Columbus, Ohio
1989-1990 Neurobiology Postdoctoral Fellow, NIH Traineeship, Department of Pharmacology. University of North Carolina, Chapel Hill, Chapel Hill, NC (Mentor: Raymond Dingledine)
1990-1992 Epilepsy Foundation of America Fellow, Department of Pharmacology, University of North Carolina, Chapel Hill, Chapel Hill, NC (Mentor: Raymond Dingledine)
1992-1993 NRSA Postdoctoral Fellow, Department of Pharmacology, Emory University, Atlanta, GA (Mentor: Barry S. Pallota)
1994-2001 Assistant Professor, Department of Cell Biology & Neuroscience, University of California, Riverside, Riverside, CA
2001-2016 Associate Professor, Department of Cell Biology & Neuroscience, University of California, Riverside, Riverside, CA
2008-2010 Vice Chair, Department of Cell Biology & Neuroscience, University of California, Riverside, Riverside, CA
2016-present Associate Professor, Department of Molecular, Cell and Systems Biology, University of California, Riverside, Riverside, CA (Department name change)

HONORS AND AWARDS

1983-85 Minority Predoctoral Fellowship, The Ohio State University
1986 ICSABER Biomedical Research Society Award, The Ohio State University
1986 Travel Fellowship for Minority Neuroscientists, Society for Neuroscience
1987 Graduate School Leadership Award, The Ohio State University

1987-88 Presidential Fellowship, The Ohio State University
1988 Hispanic Student Leadership Award, The Ohio State University
1989-90 NIH Traineeship, Neurobiology Program Training Grant, University of North Carolina
1990-92 American Epilepsy Foundation of America Postdoctoral Fellowship
1993-94 Individual National Research Service Award (NRSA), NIH
1995-96 UC Regents' Faculty Fellowship
1997-98 UC Regents' Faculty Fellowship
1997-98 UC Regents' Faculty Development Award
2000 Distinguished Faculty Mentor, Chancellor's Award for Excellence in Undergraduate Research, UC Riverside
2001 Nominated by UC Riverside, Howard Hughes Medical Institute Professor Grant
2002 Faculty Mentor of the Year, University Honors' Program, UC Riverside
2009 Best Publication Award, UC Toxics, Toxic Substances Research and Teaching Program
2011 Distinguished Teaching Award, Sciences, Academic Senate, UC Riverside
2010 Nominated, Innovative Teaching Award, UC Riverside
2013 McKnight Progressive Educator Award, American Physiological Society
2013 Teaching Career Enhancement Award, American Physiological Society
2016 Academy of Distinguished Teachers, Academic Senate, UC Riverside
2018 Nominated for Councilor, American Physiological Society
2019 Appointed Fellow, American Physiological Society

PUBLICATIONS: https://scholar.google.com/citations?user=xB8fR9EAAAAJ&hl=en

JOURNAL ARTICLES (Peer Reviewed)

1. **Currás, M.C**. and J.A. Boulant. 1989. Effects of ouabain on neuronal thermosensitivity in hypothalamic tissue slices. American Journal of Physiology 257:R21-R28. doi: 10.1152/ajpregu.1989.257.1.R21
2. **Currás, M.C**., M.A. Lessler, and J. A. Boulant. 1990. Ouabain stimulation of oxygen consumption in hypothalamic tissue slices. Pharmacology (Life Sci. Adv.) 9:381-384.
3. **Currás, M.C**., S.R. Kelso, and J.A. Boulant. 1991. Intracellular analysis of inherent and synaptic activity in hypothalamic thermosensitive neurones in the rat. Journal of Physiology 440:257-271. doi: 10.1113/jphysiol.1991.sp018707
4. **Currás, M.C**. and R.J. Dingledine. 1992. Selectivity of amino acid transmitters acting at NMDA and AMPA receptors. Molecular Pharmacology 41:520-526. PMID: 1372086
5. **Currás, M.C**. and B.S. Pallotta. 1996. Single-channel evidence for glycine and NMDA requirement in NMDA receptor activation. Brain Research 740:27-40. doi: 10.1016/s0006-8993(96)00845-1
6. Decavel, C. and **M.C. Currá**s. 1997. Increased expression of the NMDA receptor subunit, NR1, in immunohistochemically identified magnocellular hypothalamic neurons during dehydration. Neuroscience 78(1):191-202. doi: 10.1016/s0306-4522(96)00544-1
7. **Currás, M.C.**, P. Rack and R.B. Meeker. 1998. Channel properties of NMDA glutamate receptors on magnocellular neuroendocrine cells cultured from the rat supraoptic nucleus. Brain Research 789:181-193. doi: 10.1016/s0006-8993(97)01409-1 **(cover article)**
8. **Currás, M.C**. and J. Dao. 1998. Developmental plasticity in the expression of NR1 and NR2B subunits in the supraoptic nucleus of the hypothalamus. Developmental Brain Research, 109(1):1-12. doi: 10.1016/s0165-3806(98)00060-1

9. Khan, A.M., **M.C. Currás**, J. Dao, F.A. Jamal, C.A. Turkowski, R.K. Goel, E. Gillard, S.D. Wolfsohn and B. G. Stanley. 1999. Lateral hypothalamic NMDA receptor subunits NR2A and/or NR2B mediate eating: immunochemical/behavioral evidence. American Journal of Physiology 45:R880-R891. doi: 10.1152/ajpregu.1999.276.3.R880
10. Meeker, R.B., **M.C. Currás**, J. Stewart, A. Serje and W. Al-Ghoul. 1999. Functional activation of punch-cultured magnocellular neuroendocrine cells by glutamate receptor subtypes. Journal of Neuroscience Methods 89:57-67. doi: 10.1016/s0165-0270(99)00042-4
11. **Currás-Collazo, M.C**. and J. Dao. 1999. Osmotic activation of the hypothalamo-neurohypophysial system reversibly downregulates the NMDA receptor subunit, NR2B, in the supraoptic nucleus of the hypothalamus. Molecular Brain Research 70(2):187-196. doi: 10.1016/s0165-3806(98)00060-1
12. **Currás-Collazo, M.C.**, C. Chin, G. Diaz, C. Stivers, L. Bozzetti and L Y. Tran. 2000. Immunolabeling reveals cellular localization of the NMDA receptor subunit, NR2B, in neurosecretory cells but not astrocytes of the rat magnocellular nuclei. Journal of Comparative Neurology 427(1):93-108. doi: 10.1002/1096-9861(20001106)427:1<93::aid-cne6>3.0.co;2-8
13. Khan, A.M., B.G. Stanley, L. Bozzetti, C. Chin and **M.C. Currás-Collazo**. 2000. The NMDA receptor subunit NR2B is widely expressed throughout the rat diencephalon: An immunohistochemical study. Journal of Comparative Neurology 428(3):428-449. PMID: 11074444
14. Pak, C.W. and **M.C. Currás-Collazo.** 2002. Expression and plasticity of glutamate receptors in the supraoptic nucleus of the hypothalamus. Microscopy Research and Technique 56:92-100. doi: 10.1002/jemt.1001 (Special Issue: Topical Papers in Biology of the Supraoptic Nucleus)
15. **Currás-Collazo, M.C**., U. Patel and M.O. Hussein. 2002. Reduced susceptibility of rat magnocellular neuroendocrine nuclei to transient focal ischemia produced by middle cerebral artery occlusion. Experimental Neurology 178(2): 268-279. doi: 10.1006/exnr.2002.8032
16. **Currás-Collazo, M.C.**, Gillard, E.R., Jin, J. and J. Pandika. 2003. Vasopressin and oxytocin decrease excitatory amino acid release in adult rat supraoptic nucleus. Journal of Neuroendocrinology 15(2):182-90. doi: 10.1046/j.1365-2826.2003.00976.x.
17. Coburn, C.G., Gillard, E.R. and **M.C. Currás-Collazo**. 2005. Dietary exposure to Aroclor 1254 alters central and peripheral vasopressin release in response to dehydration in the rat. Toxicological Sci. 84 (1):149-56. doi: 10.1093/toxsci/kfi046
18. Qiu, S., Pak, W., and **M.C. Currás-Collazo**. 2006. Sequential involvement of distinct glutamate receptors in domoic acid-induced neurotoxicity in rat mixed cortical cultures: effect of multiple dose/duration paradigms, chronological age, and repeated exposure. Toxicological Sciences 89(1): p.243–256. doi: 10.1093/toxsci/kfj008
19. Gillard, E.R., Leon-Olea, M., Mucio-Ramirez, S., Coburn, C.G., Sanchez-Islas, E., de Leon, A., Mussenden, H., Bauce, L.G., Pittman, Q.J., and **M.C. Currás-Collazo**. 2006. A novel role for endogenous pituitary adenylate cyclase activating polypeptide (PACAP) in the magnocellular neuroendocrine system. Endocrinology 147(2):791-803. doi: 10.1210/en.2005-1103
20. Qiu, S. and **M.C. Currás-Collazo**. 2006. Histopathological and molecular changes produced by hippocampal microinjection of domoic acid. Neurotoxicology and Teratology 28:354-362. doi: 10.1016/j.ntt.2006.01.012
21. Obenaus, A., Galloway, N., Robbins, M., Blanco, G., Snissarenko, E., Gillard, E., Lee, S., and **M.C. Currás-Collazo**. 2007. Multi-modal magnetic resonance imaging alterations in

two rat models of mild neurotrauma. J. Neurotrauma 24(7):1147-60. doi: 10.1089/neu.2006.0211

22. Gillard, E.R., Coburn, C.G., De Leon, A., Snissarenko, E.P., Bauce, L.G., Pittman, Q.J., Hou, B., and **M.C. Currás-Collazo**. 2007. Vasopressin autoreceptors and nitric oxide-dependent glutamate release are required for somatodendritic vasopressin release from rat magnocellular neuroendocrine cells responding to osmotic stimuli. Endocrinology 148(2):479-489. doi: 10.1210/en.2006-0995
See Commentary: McKinley MJ, McAllen RM. Neuroendocrine self-control: dendritic release of vasopressin. Endocrinology. 2007;148(2):477-478. doi:10.1210/en.2006-1531
23. Coburn, C.G., **Currás-Collazo, M.C.**, Kodavanti, P.S. 2007. Polybrominated diphenyl ethers and ortho-substituted polychlorinated biphenyls as neuroendocrine disruptors of vasopressin release: effects during physiological activation in vitro and structure–activity relationships. Toxicological Sciences 98(1):178-186. doi: 10.1093/toxsci/kfm086
24. Coburn, C.G., **Currás-Collazo, M.C.**, and P.S. Kodavanti. 2008. In vitro effects of environmentally relevant polybrominated diphenyl ether (PBDE) congeners on calcium buffering mechanisms in rat brain. Neurochem. Res. 33(2):355-64. doi: 10.1007/s11064-007-9430-x. **Special issue honoring Dr. Frode Fonnum**
25. Rodríguez-Fuentes, G., Coburn, C., **Currás-Collazo, M.C.** and D. Schlenk. 2009. Effect of hyperosmotic conditions on flavin-containing monooxygenase activity, protein and mRNA expression in rat kidney. Toxicology Letters 87(2):115-118. doi: 10.1016/j.toxlet.2009.02.006
26. Qiu, S., Jebelli, A.K., Ashe, J.H. and **M.C. Currás-Collazo.** 2009. Domoic acid induces a long-lasting enhancement of CA1 field responses and impairs tetanus-induced long-term potentiation in rat hippocampal slices. Toxicological Sciences 111(1):140-50. doi: 10.1093/toxsci/kfp141. (**Best Publication Award, UC Toxic Substances Research & Teaching Program, 2009)**
27. Shah, A, Coburn, C., Watson-Siroboe, A., Whitley, R., Shahidizadeh, A., Gillard, E.R., Nichol, R., Leon-Olea, M., Gaertner, M., Kodavanti, P.R. and **M.C. Currás-Collazo**. 2011. Altered cardiovascular reactivity and osmoregulation during hyperosmotic stress in adult rats developmentally exposed to PBDEs. Toxicology and Applied Pharmacology 256: 103-113. doi: 10.1016/j.taap.2011.07.014
28. Martins-Green, M., Frankos, M., Adhami, N., Valdez, M., Goodwin, B., Garcia, M., Egiebor, I., Martinez, B., Dhall, S., Jacob III, P. Havel, C., Yu, L. and **M. Currás-Collazo**. 2014. Cigarette smoke toxins on surfaces; implications for human health. PLoS One 9(1):e86391. doi: 10.1371/journal.pone.0086391. eCollection 2014.
29. Coburn, C.G., Watson-Siriboe, A., Hou, B., Cheetham, C., Gillard, E.R., Lin, L., León-Olea, M., Sánchez-Islas, E., Mucio-Ramírez, S. and **M.C. Currás-Collazo**. 2015. Permanently compromised NADPH-diaphorase activity within the osmotically activated supraoptic nucleus after *in utero* but not adult exposure to Aroclor 1254. Neurotoxicology 47C:37-46. doi: 10.1016/j.neuro.2014.12.009
30. Spurgin, K., Gutierrez, R., Kaprielian, A., Jha, V., Wilson, C.G., Dobyns, A., **Currás-Collazo, M**. 2017. A calibrated method of manual therapy decreases systolic blood pressure concomitant with changes in heart rate variability in male rats. Journal of Manipulative and Physiological Therapeutics 40(2):77-88. doi: 10.1016/j.jmpt.2016.10.010
31. Mucio-Ramírez, S., Sánchez-Islas, E., Sánchez-Jaramillo, E., **Currás-Collazo, M.C.,** Romero, F., Juárez-González, V.R., Álvarez-González, M.Y., Orser, LE, Hou, B., Pellicer, F., Kodavanti, P.R.S. and Martha León-Olea. 2017. Perinatal exposure to organohalogen pollutants decreases vasopressin content and its mRNA expression in magnocellular

neuroendocrine cells activated by osmotic stress in adult rats. Toxicology and Applied Pharmacology 329:173–189. doi: 10.1016/j.taap.2017.05.039

32. Bhuvaneswari Devi, C, Kiran Kumari, K. and **M.C. Curras-Collazo**. 2018. Arsenic-induced toxic effects on oxidative system and mRNA expression levels of GPX in albino rat brain: protective effect of Vitamin-E. International Journal of Advanced Research 6(11):557-566. doi**:** 10.21474/IJAR01/8031
33. Kozlova, EV, Carrillo, V, Vazquez, B, Stapleton, H and **Currás-Collazo, M.C.** 2019. Neurotoxic effects of developmental exposure to DE-71 on forebrain social peptides, social behavior, and olfaction in C57BL/6 mice. Organohalogen Compounds 81: 203-206. http://dioxin20xx.org/wp-content/uploads/pdfs/2019/1057.pdf
34. Deol, P., Kozlova, E., Valdez, M., Wang, E-W, Ho, C., Yang, E.-W., Richardson, H., Gonzalez, G., Truong, E., Reid, J., Valdez, J., Dean, J.R., Martinez-Lomeli, J., Evans, J.R., T.Y, Jiang, T., Sladek, F.M., and **M.C. Currás-Collazo**. 2020. Dysregulation of hypothalamic gene expression and the oxytocinergic system by soybean oil diets in male mice. Endocrinology 161(2):bqz044. doi:10.1210/endocr/bqz044
35. Toledo, M.A., Koochak, N., Gupta, A., Lopez, L.N., Nieri, T. and **M.C. Currás-Collazo**. 2020. Interactive student-centered neuroscience workshops for sixth graders enhance science knowledge and education attitudes. 2020. The Journal of Undergraduate Neuroscience Education (JUNE), 18(2):A75-A82. https://www.funjournal.org/wp-content/uploads/2020/08/JUNE-18-75.pdf?x89760
36. Kozlova, E.V., Bhuvaneswari Devi, C, Krum, J.M., Chompre, G., Gonzalez, G., Lindner, J., Basappa, K., Uddin, S., and **M.C. Currás-Collazo**. 2020. Maternal transfer of environmentally relevant polybrominated diphenyl ethers (PBDEs) produces a diabetic phenotype and disrupts glucoregulatory hormones and hepatic endocannabinoids in mouse female offspring. (accepted, Scientific Reports) https://www.biorxiv.org/content/10.1101/2020.08.31.275008v1
37. Kozlova, E.V., Valdez, M., Krum, J., Gonzalez, G., Carillo, V., Bishay, A., Monarrez, E., Rabbani, K., Anchondo, L., Lampel, G., Olomi, D., Denys, M., Chompre, G., Kodavanti, P.R.S., Stapleton, H. and **M.C. Currás-Collazo**. PBDEs cause deficient social recognition and olfactory discrimination concomitant with social neuropeptide gene disruption in prenatally exposed female offspring but not their mothers. (submitted)
38. De Angelis, Meri, Maity Kumar Gandhari, Sonja C. Schriever, Elena Kozlova, Timo Müller, Paul T. Pfluger, Margarita Curras-Collazo, and Karl-Werner Schramm. Quantification of thyroid hormones in mouse brain and in different mouse brain regions using liquid chromatography-tandem mass spectrometry. Journal of Chromatography A (in preparation)
39. Deol, P. Valdez, J., Reid, J., Valdez, M., Ho, C., Sood, K., Enriquesz, D., Linder, J., Evans, J., Chompre, G., Sladek, F.M., and **M.C. Currás-Collazo**. Behavioral and genetic alterations produced by soybean-oil rich high fat diets implicate impact on pain circuits (in preparation)
40. Spurgin, K., Gutierrez, R., Kozlova, E.V., Chinthirla, B.D., Prien, A., Gonzalez, G., Kodavanti, P.R.S. and **M.C. Currás-Collazo**. Exaggerated pressor responses in adult rats exposed to PBDEs during development are mediated by RAAS and sympathoadrenal systems (in preparation)
41. Valdez, M., Gonzalez, G., Kozlova, EV., Zeng, J., Lindner, J., Cherukury, H., Sanchez, G., Vasquez, B., Trannam, D., Chompre, G., Kodavanti, PRS, and **M.C. Currás-Collazo**. Brominated flame retardants maternally transferred during perinatal development may act as environmental risk factors for autistic phenotype: Role of PACAP and Vasopressin (in preparation)

42. Valdez, M., Gonzalez, G., Beitzel, C., Lindner, J., Spurgin, K., Waschek, J.A., P.R.S. Kodavanti and **M.C. Currás-Collazo**. PACAP gene deletion impairs social recognition ability and alters gene expression of 'social' peptides in male mouse forebrain (in preparation)
43. Kozlova, E., Martirosian, R., Basappa, K., Truong, E., Valdez, M., Dillon, A., DiPatrizio, N., and **M.C. Currás-Collazo**. The PACAP and VIP receptor, VPAC2R, regulates glucose and fat metabolism during rest and psychogenic stress in adult female C57BL6 mice (in preparation)

INVITED REVIEWS

1. Mucio-Ramírez, S., Miller-Pérez, C., **Currás-Collazo, M.C.** and M. León-Olea. 2004. El polipéptido activador de la adenilato ciclasa de la pituitaria (PACAP): actualización de conocimientos. Salud Mental 27(2):55-69 (in Spanish, abstract in English).
2. Kodavanti, P.R.S. and M.C. Currás-Collazo. 2010. Neuroendocrine actions of organohalogens: thyroid hormones, arginine vasopressin, and neuroplasticity. Front. Neuroendocrinol., 31(4):479-96.
3. Currás-Collazo, M. 2011. Nitric oxide as a central target of neuroendocrine disruption and neurotoxicity by organohalogens. J. Toxicol. Environ. Health, Current Issues Part B (Critical reviews) 14(5-7):495-536. doi.org/10.1080/10937404.2011.578564
4. Bhuvaneswari Devi, C., Kozlova, E.V. and M.C. Curras-Collazo. Mini-Review: effects of metal neurotoxicants on oxidative stress processes in the brain (in preparation)

INVITED CHAPTERS/CHAPTERS IN EDITED BOOKS

1. Boulant, J.A., **M.C. Currás,** and J.B. Dean. 1989. Neurophysiological aspects of thermoregulation. In Advances in Comparative and Environmental Physiology, Animal Adaptation to Cold, L.C. H. Wang, editor, pp.117-160. Berlin: Springer-Verlag.
2. **Currás, M.C**. and J.A. Boulant. 1989. Thermal effects on spike amplitudes of intracellularly recorded neurons in hypothalamic tissue slices. In Thermal Physiology, J.B. Mercer, editor, pp. 85-88. Amsterdam: Elsevier.
3. Kodavanti, P.R.S., Valdez, J., Yang, J-H., **Currás-Collazo, M.**, Loganathan, B.G. 2017. Polychlorinated biphenyls, polybrominated biphenyls, polychlorinated dibenzo-p-dioxins and polychlorinated dibenzofurans. In. Reproductive and Developmental Toxicology 2nd Ed. Edited by R.C. Gupta. Academic Press/Elsevier, pp 711-743.
4. Kodavanti, P.R.S., Valdez, M.C., Yang, J-H., **Currás-Collazo, M.** 2018. Polychlorinated biphenyls, polybrominated biphenyls, polychlorinated dibenzo-p-dioxins, and polychlorinated dibenzofurans. In Veterinary Toxicology: Basic and Clinical Principles, Chapter 51, edited by Gupta, R. C., Academic Press, Elsevier, pp 675-690.
5. Kodavanti, PRS, Valdez, M.C., Currás-Collazo, M. Human health risks of legacy and emerging persistent organic pollutants. In Persistent Organic Pollutants (POPs) in the Environment: Monitoring, Risk Assessment and Management". (part of a book series on *Advances in Environmental Pollution Research*, Elsevier (in preparation)

CONFERENCE PROCEEDINGS

1. Coburn, C.G., Gillard, E.R. and **M.C. Currás-Collazo**. 2004. Dietary exposure to the PCB mixture Aroclor 1254 may compromise osmoregulation by altering central vasopressin

release. Organohalogen Compounds 66: 3109-3115. http://dioxin20xx.org/wp-content/uploads/pdfs/2004/04-572.pdf (Partially Refereed, Invited, Electronic)

2. Coburn, C.G., Hou, B., Lin, L., Cheetham, C., Gillard, E.R., Loson, O., Prodon, D., **M.C. Currás-Collazo.** 2005. Aroclor 1254 may induce long-term alterations in central vasopressin release by inhibiting nitric oxide synthesis within the supraoptic nucleus. Neurotoxicology 27(5): 921. 22nd Int'l Neurotoxicology Conference, Environment and Neurodevelopmental Disorders. Research Triangle Park, NC. 09/11/2005. Neurotoxicology.
3. Coburn, C., Gillard, E.R., and **M.C. Currás-Collazo**, M. 2005. A quantitative measure of nitric oxide release from supraoptic magnocellular neuroendocrine cells in response to dehydration and protein kinase A inhibition. UC Toxic Substances Research and Teaching Program. 1p. Mechanisms of Air Pollution Toxicity, The UCLA/UCR/LANL Lead Campus program, Riverside, CA. 10/28/2005. UC Toxic Substances Research and Teaching Program.
4. Coburn, C.G., and **M.C. Currás-Collazo**. and P.R.S. Kodavanti. 2006. Inhibition of vasopressin release in the rat supraoptic nucleus by exposure to the PBDE mixture (DE-71) in vitro. Organohalogen Compounds 68: 121-124. International Symposium on Halogenated Environmental Organic Pollutants-DIOXIN 2006, Oslo, Norway, 8/2006. http://www.x-cd.com/dioxin06
5. **Currás-Collazo, M.C.**, Gillard, E.R. and C.G. Coburn. 2006. Osmotically-induced local VP release in the SON is dependent on endogenous PACAP acting via protein kinase A and nitric oxide signaling. Frontiers in Neuroendocrinology 27(1):127-128. 6th International Congress of Neuroendocrinology, Pittsburg, PA. 6/2006
6. Coburn, C.G., Watson-Siriboe, A., Hou, B., Lin, L., Gillard, E.R. and **M.C. Currás-Collazo.** 2007. Perinatal exposure to Aroclor 1254 induces long-term suppression of osmotically induced nitric oxide synthase activity in neuroendocrine cells of the rat supraoptic nucleus. Organohalogen Compounds 69:413-416. International Symposium on Halogenated Environmental Organic Pollutants-DIOXIN 2007, Tokyo, Japan. 9/2/2007. http://dioxin20xx.org/wp-content/uploads/pdfs/2007/07-501.pdf
7. Coburn, C.G., and **M.C. Currás-Collazo.** 2007. Polybrominated diphenyl ethers (PBDEs) and poly-chlorinated biphenyls (PCBs) as neuroendocrine disruptors: is deranged calcium buffering a mechanism of action? Annual Symposium. UC Toxic Substances Research and Teaching Program. Santa Cruz, CA. 04/20/2007.
8. **Currás-Collazo, M.C.**, Gillard, E.R., Coburn, C. 2007. Amplification of osmotically elicited local vasopressin release by PACAP and nitric oxide-dependent glutamate signaling. Program No. 648.3. 2007 Neuroscience Meeting Planner. Society for Neuroscience, Online. Symposium on Dendritic Neuropeptide Release. Society for Neuroscience. San Diego, CA. 11/6/2007. http://www.abstractsonline.com/viewer/viewSession.asp
9. **Currás-Collazo, M.C.** 2008. New information on how exposure to fire retardant chemicals before birth can permanently harm the neuroendocrine system, body water regulation, and cardiovascular function. Green Science Policy Institute. Symposium on The Fire Retardant Dilemma: Part VI. Berkeley, CA., http://greensciencepolicy.org/node/116
10. **Currás-Collazo, M.C.**, Leon-Olea, M., Mucio-Ramirez, S.M., Watson-Siroboe, A., Sanchez-Islas, E., Miller-Perez, C., Cheetham, C., Coburn, C., Gillard, E.R., Hou, B., Whitley, R., Carrera, A., Dubinsky, D. 2010. PBDEs and PCBs suppress osmotically elevated vasopressin and nitric oxide content in the rat magnocellular nuclei. Springer. 1p. 1st International Symposium on Neuroendocrine Effects of Endocrine Disruptors (NEED), a satellite symposium of the 7th International Congress of Neuroendocrinology, Rouen, France. 07/10/2010. http://icn2010.univ-rouen.fr/page.php?page=satellite

11. Nichol, R., Oh, S., Moore, T., Murphy, T., Lulla, A., Ornelas, R., Wang, A., Calma, R., Demissie, D., Pontrello, C., Ethell, I. and **M.C. Currás-Collazo.** 2012. Indoor flame retardants disrupt dendritic growth in primary cortical cultures by interfering with thyroid and vasopressin receptor signaling. International Toxicology Summit and Expo, San Antonio, TX, 11/26-28/2012. Journal of Clinical Toxicology. https://www.longdom.org/conference-abstracts/keynote/toxicology-2012-proceedings-keynote-3709.html

TECHNICAL REPORTS

Obenaus, A. and **M.C. Currás-Collazo**. 2003. Temporal and spatial evolution of neurotraumatic injury, UC Neurotrauma Society Proceedings, http://birc.ucla.edu/miramar_images.htm

OTHER PUBLISHED WORKS

Currás, M.C. 1982. Localization and differential beta endorphin-like immunoreactivity in hibernating and non-hibernating hamster brains as measured by nerve fiber density. Undergraduate Honors Thesis, Tulane University.

Currás, M.C. 1989. Transduction mechanisms of neuronal thermosensitivity in the hypothalamus. Doctoral Dissertation, The Ohio State University.

Hussein, M.O. and **M.C. Currás-Collazo.** 1998. Middle cerebral artery occlusion is effective in producing ischemia of the supraoptic and paraventricular nuclei of the hypothalamus. On-line Proceedings of the 5th Internet World Congress on Biomedical Sciences '98 at McMaster University, Canada. (Available from URL: http:/www.mcmaster.ca/inabis98/neuroscience/hussein0796/two.html

Rack, P. and **M.C. Currás-Collazo**. 2001. Further characterization of NMDA receptor channels on cultured supraoptic neurons. Journal of Young Investigators, October 1, 2001: Issue 5. Article I.D. No.: 5BIOL. http://www.jyi.org/issues/currentIssue/articles/rack/rack.html

Currás-Collazo, **M.C.**, Gillard, E.R., Coburn, C. 2007. Amplification of osmotically elicited local vasopressin release by PACAP and nitric oxide-dependent glutamate signaling (lay summary). Neuroscience Press Book, 2007 Society for Neuroscience Annual meeting. Society for Neuroscience's Public Education and Communication Committee.

Currás-Collazo, **M.C.** 2010. Scientist declaration against harmful effects of polybrominated diphenyl ethers (PBDEs). http://www.toxictorts.com/flame-retardants/

SIGNATORY ACTIVITIES

DiGangi J, Blum A, Bergman A, de Wit, C.A., Lucas, D., Mortimer, D., Schecter, A., Scheringer, M., Shaw, S.D., and T.F. Webster. San Antonio Statement on brominated and chlorinated flame retardants. Environ Health Perspect. 2010; 118(12):A516-A518. doi:10.1289/ehp.1003089 (I provided content that was used for a consensus statement that warns about the adverse health effects of chlorinate and brominated flame retardants and has over 200 signatories from 30 countries.)

Metzger Law Group, Counsel for Creditor and Claimant, the Council for Education and Research on Toxics. 2010. Declaration of Margarita Curras-Collazo, Ph.D. in support of opposition to the objection of the official committee of unsecured creditors of Chemtura Corporation, et al, to the Council for Education and Research on Toxics' (CERT'S) claim

nos. 12051, 12053, 12055. (I provided expert declaration outlining the adverse health effects of polybrominated diphenyl ethers (PBDEs) to developing rodents that may have translational relevance to humans, especially to children.)

ABSTRACTS

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Kaprielian, A., Abad, C., Waschek, J. and **M. Currás-Collazo**. Vasopressin and pituitary adenylate cyclase-activating peptide (PACAP) participate cooperatively in behavioral and neuroendocrine responses to environmental demands. 10/1/2010 Society for Integrative and Comparative Biology Conference, Poster No. P2.117 DNB. Salt Lake City, UT. (**Best Poster Award)**

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Autonomic Nervous System, American Autonomic Society, Rio Grande, Puerto Rico, 11/8/2014

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126. 2015. Gutierrez, R., Spurgin, K., Prien, A. and **M.C. Currás-Collazo**. Developmental exposure to indoor flame retardants disrupts sympathetic and hypothalamic-pituitary-adrenal (HPA) axis activity in osmotic challenged rats. FASEB J 29:650.1. Experimental Biology Meeting, Boston, MA, 3/2015
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129. 2016. Ho, C, Deol, P, Richardson, H, Platt, D, Yang, E, Jiang, T, Sladek, FM, and **M.C. Currás-Collazo.** Soybean oil high fat diet reduces hypothalamic oxytocin immunoreactivity. FASEB J. 30:1293.9. Experimental Biology Meeting, San Diego, CA. April 2, 2016
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131. 2016. Lindner, J., Gutierrez, R., Ramirez, A., Valdez, M., Spurgin, K., Platt, D. and **M.C. Currás-Collazo**. Captopril suppresses toxicant-induced pressor responses and upregulation of RAAS gene markers *Nr3c2* and *Sgk1* in acutely salt-loaded rats. FASEB J 30:765.8, 2016. Experimental Biology meeting, San Diego, CA, April 2, 2016
132. 2016. Kozlova, E, Thurmond, S, Ramirez, A, Schmill, M, Valdez, M, and **M.C. Currás-Collazo**. Exploring brain gene markers for neurobehavioral deficits produced by developmental exposure to indoor flame retardants in rodents. 10th Annual Symposium for Undergraduate Research, Scholarship and Creative Activity; Apr 19-20, 2016; Riverside, CA. (**Poster Presentation Award**)
133. 2016. Ho, C, Deol, P, Richardson, H, Platt, D, Yang, E, Jiang, T, Sladek, FM, and **M.C. Currás-Collazo**. Soybean oil high fat diet reduces hypothalamic oxytocin immunoreactivity. 10th Annual Symposium for Undergraduate Research, Scholarship and Creative Activity; Apr 19-20, 2016; Riverside, CA. (**Poster Presentation Award)**
134. 2016. Platt, D, Martirosian, R, Krum, J, and **MC Currás-Collazo**. Increased neuronal activity in the paraventricular nucleus of the hypothalamus indicates that HPA neurons may be involved in ozone-induced metabolic disorder. 10th Annual Symposium for

Undergraduate Research, Scholarship and Creative Activity; Apr 19-20, 2016; Riverside, CA.

135. 2016. Ramirez, AE, Lindner, J, and **MC Currás-Collazo.** Captopril Suppresses toxicant-induced pressor responses and upregulation of RAAS renal gene markers NR3C2 and SGK1 in acutely salt-loaded rats. 10th Annual Symposium for Undergraduate Research, Scholarship and Creative Activity; Apr 19-20, 2016; Riverside, CA.
136. 2016. Enriquez, D, Valdez, M, Ho, C, Mclaughlin, T, Valdez, J, Deol, P, Sladek, F, and **M.C. Currás-Collazo.** Effect of genetically modified soybean oil (Plenish) on pain threshold through diet-induced obesity. 10th Annual Symposium for Undergraduate Research, Scholarship and Creative Activity; Apr 19-20, 2016; Riverside, CA.
137. 2016. Sanchez, GA, Thurmond, S, Ramirez, A, Schmill, M, Valdez, M, and **MC Currás-Collazo.** Disruption of neurological circuits controlling blood pressure by indoor flame retardants. 10th Annual Symposium for Undergraduate Research, Scholarship and Creative Activity; Apr 19-20, 2016; Riverside, CA.
138. 2016. Jackson, S, Ramirez, A, Zeng, J, Kozlova, E, Basappa, K, Truong, E, Valdez, M, and **M.C. Currás-Collazo**. Optimizing qPCR Primers for Brain CYP1B2 in rats. Oral presentation given at: MARC U STAR Summer Symposium; Aug 19, 2016; Riverside, CA.
139. 2016. Huffman, N, Krum, JM, Uddin, S, Kozlova, EV, Valdez, M, and **M.C Currás-Collazo**. Early Life PBDE exposure induced behavioral deficits in mice. Oral presentation given at: Research in Science and Engineering program: RISE Summer Symposium; Aug 8, 2016; Riverside, CA.
140. **Currás-Collazo, M.C.,** Coburn, C., Watson-Siriboe, A, Hou, B., Cheetham, C, Gillard, E.R., Lin, L., Leon-Olea, M., Sanchez-Islas, E., Mucio-Ramirez, S. 2016. Permanently compromised nitric oxide signaling necessary for neuroendocrine function after early life exposure to PCBs. J. Clinical Toxicology 6:5(Suppl.), 2016. https://www.omicsonline.org/conference-proceedings/toxicology-2016_scientifictracks-abstracts.digital/files/assets/common/downloads/toxicology-2016_scientifictracks-abstracts.pdf International Toxicology Summit and Expo, Houston, TX. 10/17/2016.
141. 2017. Kozlova, E., Martirosian, R., Basappa, K., Truong, E., Valdez, M., Martins-Green, M., Dillon, A., DiPatrizio, N., and **M.C. Currás-Collazo**. The PACAP and VIP receptor, VPAC2R, regulates glucose and fat metabolism during rest and psychogenic stress in adult female C57BL6 mice. 10th Annual Symposium: Glial-Neuronal Interactions in Health and Disease; Center for Glial Neuronal Interactions (CGNI), UC Riverside, January 13, 2017
142. 2017. Kozlova, E., Krum, J.M., Basappa, K., Uddin, S., **M.C. Currás-Collazo**. Developmental exposure to indoor flame retardants produces diabetic phenotype in adult female C57Bl6 mice. Experimental Biology Meeting, Chicago, IL, April 2017, *FASEB J. April 2017, 31:1089.10.* https://doi.org/10.1096/fasebj.31.1_supplement.1089.10
143. 2017. Vazquez, B., Kozlova, E., **M.C. Currás-Collazo**. Potential brain gene markers for neurobehavioral deficits produced by developmental exposure to indoor flame retardants. 11th Annual Symposium for Undergraduate Research, Scholarship and Creative Activity, UC Riverside, May 3-4, 2017
144. 2017. Truong, E., Kozlova, E., Vasquez, B., Enriquez, D., Deol, P., Sladek, F., **M.C. Currás-Collazo.** Impact of Soybean Oil High Fat Diet of Hypothalamic Feeding Circuits. 11th Annual Symposium for Undergraduate Research, Scholarship and Creative Activity, May 3-4, 2017.
145. 2017. Krum, J.M., Bottom, R., Dukot, D., Anchondo, L., Uddin, S., Kozlova, E., Huffman, K., **M.C. Currás-Collazo**. Polybrominated diphenyl ether (PBDE) induced aberration in intraneocortical connections and affective/social behavior. 11th Annual Symposium for

Undergraduate Research, Scholarship and Creative Activity, UC Riverside, May 3-4, 2017

146. 2017. Martirosian, R., **M.C. Currás-Collazo.** The effect of ozone on hypothalamic glucoregulatory circuits. 11th Annual Symposium for Undergraduate Research, Scholarship and Creative Activity, UC Riverside, April, 2017
147. 2017. Tu, J., Kozlova, E., Truong, E., Valdez, M., Krum, J. and **M.C. Currás-Collazo**. Alterations in brain gene markers that control social behavior produced by developmental exposure to flame retardant toxicants. Research in Science and Engineering Program (RISE) Summer Symposium, UC Riverside, August 2017
148. 2017. Khan, A., Anchondo, L., and **M.C. Currás-Collazo**. Effects of developmental exposure to indoor flame retardants on sensorimotor ability in mice. 30th Annual Mentoring Summer Research Internship Program (MSRIP) Research Symposium, UC Riverside, August 18, 2017.
149. 2017. Kozlova E., Martirosian R., Basappa K., Krum J.M. Truong E. and **M.C. Currás-Collazo**. Hypothalamic PACAP/VPAC2R signaling may regulate hypoglycemic and psychogenic stress-induced changes in glucose metabolism in female C57Bl6 mice. World Congress on Neurohypophysial Hormones, Rio de Janeiro, Brazil, July 26-29, 2017
150. 2017. Kozlova, E., Krum, J.M., Basappa, K., Uddin, S., **M.C. Currás-Collazo.** Developmental exposure to indoor flame retardants produces diabetic phenotype in adult female C57Bl6 mice. 37th World Congress of the International Union of Physiological Sciences (IUPS) Rhythms of Life; 2017, Rio de Janeiro, August 1-5, 2017
151. 2017. Kozlova EV, Krum JM, Basappa K, Uddin S and **M.C. Currás-Collazo**. Perinatal exposure to low dose DE-71 produces metabolic disease phenotype in adult female C57BL6 mice. 37th International Symposium on Halogenated Persistent Organic Pollutants -DIOXIN 2017, Vancouver, Canada, August 21-25, 2017 http://www.dioxin2017.org/uploadfiles/others/10166_0529224508.pdf
152. 2017. Kozlova E, Chinthirla BD, Krum JM, Basappa K, Martirosian R, Uddin S and **M.C. Currás-Collazo.** Developmental exposure to indoor flame retardants produces diabetic phenotype in adult female C57BL6 mice. Southern California Biomedical Sciences Graduate Student Symposium, Cedars-Sinai Medical Center, Los Angeles, CA, October 20, 2017.
153. 2017. Chinthirla BD, Kozlova E and MC Curras-Collazo. Perinatal exposure to DE-71 affects adrenal catecholamine content due to sympathetic system hyperactivation in Long Evans salt loaded rats showing hypertension. International Scholars Showcase, University of California, Riverside, CA, Nov 6-9, 2017.
154. 2018. Chinthirla BD, Kozlova E, Spurgin K, Gutierrez R, Lindner J, Zeng J and **M.C. Currás-Collazo.** PBDEs exaggerate adrenal epinephrine content in salt loaded rats showing hypertension; Involvement of sympathetic and renin-angiotensin-aldosterone systems. 56th Annual meeting of the Society of Toxicology, San Antonio, TX. March 11-18, 2018.
155. 2018. Chinthirla B.D., Kozlova E.V., Spurgin K., Gutierrez R., Lindner J, Zeng J and **M.C. Curras-Collazo**. PBDE-induced gene alterations in sympathetic brain nuclei and concomitant exaggerated epinephrine content in hypertensive rats. 11th Annual SoCal Symposium on Glial-Neuronal Interactions in Health and Disease. Riverside, California, USA, March 23rd, 2018
156. 2018. Chinthirla BD, Kozlova E, Spurgin K, Gutierrez R, Lindner J, Zeng J and **M.C. Currás-Collazo.** PBDEs exaggerate adrenal epinephrine content in salt loaded rats showing hypertension; Involvement of sympathetic and renin-angiotensin-aldosterone systems. American Society for Neurochemistry, Riverside, CA. March 24-28, 2018

157. 2018. Kozlova, E.V., Krum, J.M., Anchondo, L., Rohac, D., Huffman, N., Uddin, S., Huffman, K., and **M.C. Currás-Collazo**. Altered neocortical circuitry in mice perinatally exposed to indoor flame retardants may underlie abnormal affective and social behavior. American Society for Neurochemistry, Riverside, CA. March 24-28, 2018
158. 2018. Chinthirla, BD, Konduru, KK, Kozlova, EV and **M.C. Currás-Collazo.** Arsenic-induced perturbations in cholinergic system and energy metabolism of rat brain: ameliorative effect of Vitamin-E. FASEB J. 32(S1) April, 2018 https://doi.org/10.1096/fasebj.2018.32.1_supplement.lb650
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160. 2018. Truong, E., Kozlova, E., Deol, P., Enriquez, D., Valdez, J., Sladek, F.M. and **M.C. Currás-Collazo**. Linoleic acid in soybean oil-based high fat diet may induce obesity by altering hypo-thalamic orexigenic and anorexigenic neuropeptide signaling. Experimental Biology Meeting, Board W235, San Diego, CA, April, 2018
161. 2018. Kozlova, E.V., Anchondo, L., Krum, J.M., Rohac, D., Uddin, S., Huffman, N., Huffman, K., and **M.C. Currás-Collazo**. Neuroanatomical reprogramming produced by perinatal exposure to indoor flame retardants (PBDEs) may underlie abnormal affective/social behavior. UCR Undergraduate Research conference, Riverside, CA, May, 2018.
162. 2018. Borenstein, J., Kozlova, E., Chinthirla, B. and **M.C. Currás-Collazo.** Early-life exposure to brominated flame retardants impairs biological mechanisms associated with glucose homeostasis in mice. UCR Undergraduate Research conference, Riverside, CA, May, 2018.
163. 2018. Abundez-Toledo, M., Gupta, A., Lopez, L., Koochak, N., and **M.C. Currás-Collazo**. UC Neuro: Neuroscience Workshops for 6th Graders. UCR Undergraduate Research conference, Riverside, CA, May, 2018.
164. 2018. Truong, E., Kozlova, E., Deol, P., Enriquez, D., Valdez, J., Sladek, F.M. and **M.C. Currás-Collazo**. Linoleic acid in soybean oil-based high fat diet may induce obesity by altering hypo-thalamic orexigenic and anorexigenic neuropeptide signaling. UCR Undergraduate Research conference, Riverside, CA, May, 2018.
165. 2018. Chinthirla BD, Kozlova EV, Borenstein JM and **M.C. Currás-Collazo**. Early-life exposure to brominated flame retardants impairs biological mechanisms associated with glucose homeostasis in mice. International scholar poster fair 2018. Bourns College of Engineering, UC Riverside, CA, USA, Nov 8th, 2018.
166. 2018. Kozlova, E., Krum JM., Anchondo L., Huffman N., Uddin S., Nabatanzi M., Carrillo V., Chinthirla, B.D., and **M.C. Currás-Collazo**. Neuroanatomical correlates in mice perinatally exposed to indoor flame retardants showing abnormal affective and social behavior. Society for Neuroscience; Nov 3-7, 2018, San Diego, CA.
167. 2019. Deol, P., Valdez, M., Yang, E.-W., Deans, J., Ho, C., Kozlova, E.V., Evans, J., Valdez, J., Richardson, H., Kyaw, T., Jiang, T., Sladek, F. and **M.C. Currás-Collazo**. 2019. Dysregulation of hypothalamic gene expression by soybean oil diets in mice. ENDO 2019 by Endocrine Society; 2019 Mar 26-28; New Orleans, LA. Journal of the Endocrine Society, 3(1), April-May 2019, SUN-101, https://doi.org/10.1210/js.2019-SUN-101
168. 2019. Carrillo, V., Kozlova, E., Rabbani, K., Tran J., Lampel, G., **Currás-Collazo,** MC. Examining sex-dependence of altered social behavior and “social” gene expression

in a toxicant exposure mouse model. UC Undergraduate Symposium, UC Riverside, May 14, 2019.

169. 2019. Tran, J., Chinthirla, B.D., Kozlova, E., Bishay, A., Monarrez, E., **Currás-Collazo, M.C.** Measuring mood alterations and motor activity in a mouse model of Gulf War illness. UC Undergraduate Research Symposium, UC Riverside, May 14, 2019
170. 2019. Lampel, G, Kozlova, E, Carillo, V, Monarrez, E, Anvieh, B, Tran, J, and **M.C. Currás-Collazo.** Alterations in olfactory habituation and dishabituation after adult and developmental exposure to polybrominated diphenyl ethers. UC Undergraduate Research Symposium, UC Riverside, May 14, 2019.
171. 2019. Denys, M, Olomi, D, Kozlova, EV, and **M.C. Currás-Collazo**. Developmental exposure to PBDEs disrupts long-term social recognition memory, Research in Science and Engineering program: RISE Summer Symposium, UCR, August 29, 2019
172. 2019. **Currás-Collazo, MC**, Kozlova EV, Krum JM, Basappa K, Gonzalez G, Stapleton H, Chinthirla BD. Adult or developmental exposure to PBDEs alters hepatic enzymes related to carbohydrate metabolism and oxidative stress in mice that show a diabetic phenotype. 39th International Symposium on Halogenated Persistent Organic Pollutants–DIOXIN 2019, Kyoto International Conference Center, Kyoto, Japan, August 26-30, 2019
173. 2019. Kozlova EV, Carrillo V, Vazquez, B, Stapleton H. and **M.C. Currás-Collazo**. Neurotoxic effects of developmental exposure to DE-71 on forebrain social peptides, social behavior and olfaction in C57BL/6 mice. 39th International Symposium on Halogenated Persistent Organic Pollutants–DIOXIN 2019, Kyoto International Conference Center, Kyoto, Japan, Aug 25-30, 2019. (**Otto Hutzinger Presentation Award)**
174. 2019. Kozlova, E, Chinthirla, BD, Tran, J, Bishay, A, Lampel, G, Monarrez, E, and **M.C Currás-Collazo.** Modeling the behavioral and metabolic phenotype of mice exposed to Gulf war toxicants. Society for Neuroscience, Chicago, IL, October 17-18, 2019. https://www.abstractsonline.com/pp8/#!/7883/presentation/60706
175. 2019. Kozlova, EV**.** and **M.C. Currás-Collazo**. Neurotoxic Effects of Developmental Exposure to DE-71 on Social Memory and PFC to Amygdala Circuitry. Barrels XXXII. Chicago, IL, October 17-18, 2019.
176. 2019. Bishay, A, Kozlova, EV, Chinthirla, BD, and **M.C. Currás-Collazo**. Examination of Chronic Fatigue in a Mouse Model of Gulf War Illness, Annual Biomedical Research Conference for Minority Students (ABRCMS), Anaheim, CA, November 13-16, 2019
177. 2019. Kozlova, E, Chinthirla, BD, Tran, J, Bishay, A, Lampel, G., Monarrez, E, and **M.C. Currás-Collazo**. Modeling the behavioral and metabolic phenotype of mice exposed to Gulf war toxicants. Inaugural Conference of California Chapter of Physiologists, APS, USC, CA, 11/16/2019
178. 2019. Kozlova EV, Carrillo V, Vasquez B, Denys M, Lampel G, Bishay A, Tran J, Rabbani, K, Monarrez E, Olomi, D**,** and **M.C. Currás-Collazo.** Neurotoxic Effects of Developmental Exposure to DE-71 on Forebrain Social Behavior, neuropeptides and circuit refinement in C57BL/6 Mice. Inaugural Conference of California Chapter of Physiologists, APS, USC, CA, 11/16/2019
179. 2020. Kozlova, EV, Carrillo, V, Vasquez, B, Denys, M, Lampel, G, Tran, J, Bishay, A, Monarrez, E, Rabbani, K, Olomi, D, Chinthirla, BD, and **M.C. Currás-Collazo**. Social recognition deficits after developmental exposure to indoor flame retardants are correlated with an altered amygdala-prefrontal cortex circuit and expression of social neuropeptides. 15th Annual SoCal Symposium on Glial-Neuronal Interactions in Health and Disease. Riverside, California, USA, January 10, 2020

180. 2020. Kozlova, EV, Bishay, A, Tran, JD, Lampel, GR, Monarrez, E, **Currás-Collazo**, **M.C.** and Chinthirla, BD. Modeling the behavioral and metabolic phenotype of mice exposed to gulf war toxicants. 15th Annual SoCal Symposium on Glial-Neuronal Interactions in Health and Disease. Riverside, California, USA, January 10, 2020
181. 2020. Bishay, A, Kozlova, EV, Chinthirla, BD, Tran, J, and **M.C. Currás-Collazo** Chronic fatigue in a mouse model of Gulf War illness. FASEB J., April 2020, https://doi.org/10.1096/fasebj.2020.34.s1.08635
182. 2020. Kozlova, EV, Carrillo, V, Denys, M, Lampel, G, Bishay, A, Monarrez, E, **Currás-Collazo, M.C,** Rabbani, K. Social recognition deficits after developmental exposure to indoor flame retardants are correlated with an altered amygdala-prefrontal cortex circuit and expression of social neuropeptides. FASEB J., April 2020, https://doi.org/10.1096/fasebj.2020.34.s1.08681
183. 2020. **Currás-Collazo, MC,** Kozlova, EV, Stapleton, H, Chinthirla, BD and J. Krum. Sex-dependent metabolic syndrome phenotype produced by developmental exposure to indoor flame retardants. FASEB J., April 2020, https://doi.org/10.1096/fasebj.2020.34.s1.07444
184. 2020. Kozlova EV., Bishay A., Chinthirla DB., Tran J, Monarrez E and **M.C. Currás-Collazo**. Modeling the behavioral and metabolic phenotype of mice exposed to Gulf War toxicants. FASEB J., April 2020, https://doi.org/10.1096/fasebj.2020.34.s1.04456
185. 2020. Kozlova EV., Bishay A., Chinthirla DB., Olomi, D., Tran J, Denys, M., Monarrez E and **M.C. Currás-Collazo**. Modeling the behavioral and metabolic phenotype of mice exposed to Gulf War toxicants. 30th Anniversary of the Gulf War, Operation Desert Shield, 2020 DoD/VA State of the Science Virtual Conference, August 18-19.
185. Rabbani K., Kozlova E., Olomi D., Denys M., Bishay A., and **M.C. Currás-Collazo**. Early-life exposure to indoor brominated flame retardants can alter adult social behavior and brain neurochemistry in exposed offspring. UC Undergraduate Research Symposium, UC Riverside; Apr 29-30, 2020. (oral presentation, postponed)

RESEARCH FUNDING

CURRENT

NIH-MARC U*STAR 5T34 GM062756-19 $252,205 (E. Martinez-PI) 06/01/2020 - 05/31/2023
Undergraduate Research Program. The aim is to provide research opportunities to URM undergraduate students. **Role: Mentoring faculty.**

NIH (Ford, Lo, Carson (MPI), $338,144 10/26/2018 – 10/25/2023
University of California-Riverside (UCR) Initiative for Maximizing Student Development (IMSD) in Biomedical Science. The goal of the University of California-Riverside School of Medicine (UCR SOM) IMSD Program is to provide support and enabling technologies for under-represented and diverse graduate trainees to conduct biomedical science research. **Role: Participating faculty**

NIH/NINDS; R25GM119975 (Ford, Isaac - MPI) $163,000/year 07/01/2017-06/30/2022
Riverside Bridges to the Baccalaureate Program (B2B). The goal of the Riverside B2B program is to create a research education program to increase participation of underrepresented minority groups in research-oriented careers in these areas. **Role: Mentoring faculty**

Department of Defense; GW180072 (**Currás-Collazo-PI**) $371,523 10/01/2019 – 9/31/2021
Brain-Body Pathways Contributing to Gulf War Illness. These mechanistic studies will test the contribution of gut signals to neurological alterations by manipulating vagally-mediated gut sensory signals and by altering gut microbiota.

University of California, Office of President (**Currás-Collazo-PI**) $83,000 01/02/2019 – 1/2/2022
Innovative Learning Technology Initiative; *CBNS/PSYCH 124: Systems Neuroscience (Hybrid course development).* Goal is to convert all lectures to videos online with captions and embedded PlayPosit questions to improve student access and learning.

UC Riverside, Provost office (**Currás-Collazo-PI**) $14,500 01/02/2019 – 1/2/2022
Innovative Learning Technology Initiative, Supplement: *CBNS/PSYCH 124: Systems Neuroscience (Hybrid course development).* Goal is to convert all assessments to online using new LMS, Canvas and lab exercises from in-person format to videos online.

ALIANZA UCMX-UNAM (Kozlova, co-PI) $10,000 09/01/2020 – 03/01/2021
Binational Collaborative Projects on COVID-19. *Characterization of Brain Ace2→Angiotensin-(1-7) →mas receptor axis, its association with Cognitive Behavior, and regulation by Vitamin D in Western Diet-Induced Obesity.* These studies will examine regulation of gene markers of the ACE1 and ACE2 pathways in HFD-induced obese male mice by Vitamin D. **Role: UC Sponsor**

Omnibus grant, UC Riverside (**Currás-Collazo-PI**) $1,800 07/01/2019 – 06/30/2021
Altered activation of social brain network in mice developmentally exposed to brominated flame retardants. These studies will use qRT-PCR to measure expression of gene markers for social neuropeptides.

Sigma Xi Research Society (Denys-PI) $800 05/01/2020-04/31/2021
Altered activation of social brain network after maternal transfer of indoor flame retardant toxicants. Goal is to characterize changes in social memory and activation of social brain network nuclei using behavioral and immunoassay methods. **Role: undergraduate mentor**

Omnibus grant, UC Riverside (**Currás-Collazo-PI**) $1,800 07/01/2019 – 06/30/2021
Modeling chronic fatigue in a mouse model of Gulf War illness (GWI). Goal is to establish an exercise endurance test that can be used to evaluate exercise intolerance and metabolic correlates in GWI mice.

Sigma Xi Research Society (Bishay-PI) $500 01/01/2020-12/31/2020
Examination of Chronic Fatigue in a Mouse Model of Gulf War Illness. The aim is to design an exercise endurance test and metabolic markers useful in evaluating chronic fatigue in mice. **Role: undergraduate mentor**

COMPLETED - LAST 7 YEARS

Sigma Xi Research Society (Rabbani-PI) $300 6/01/2019-05/31/2020
Sex-dependent Disruptions to Gene Expression and Social Behavioral Circuits by Brominated Flame Retardants: An Environmental Toxicant Model of Autism Spectrum Disorder. The aim is to correlate gene expression of social neuropeptides and autistic behaviors in a mouse model. **Role: undergraduate mentor**

Committee on Research (CoR), UCR (**Currás-Collazo**-PI) $4,500 07/01/2017 – 06/30/2019
Role of sympathetic nervous system and renin-angiotensin-aldosterone system in hypertensive effects of environmental toxicants. The aim of these studies is to explore sympathetic causes of elevated blood pressure after developmental toxicant exposure.

Omnibus grant, UCR (**Currás-Collazo**-**PI**) $1,800 07/01/2018 – 06/30/2019
Ozone effects on stress circuits in the brainstem. The goal is to use neuronal activation markers to examine the reactivity of glucoregulatory circuits in the brain in response to ozone.

Sigma Xi Research Society (Carrillo-PI) $800 01/01/2019-12/31/2019
Is autistic phenotype correlated with altered expression of the "social" neuropeptides Vasopressin and Oxytocin receptors in a toxicant exposure mouse model. The aim is to correlate gene expression of social neuropeptides and autistic behaviors in a mouse model. **Role: undergraduate mentor**

Sigma Xi Research Society (G2018031591353501) (Kozlova-PI) $1,000 06/01/2018-05/31/2019
Cortical Neurodevelopment in C57Bl/6J Mice Offspring after Maternal Transfer of Indoor Flame Retardant Toxicants. The aim is to design optimal PCR primers for cortical patterning genes. **Role: Predoc Sponsor**

UC MEXUS (Kozlova-PI) $1,500 09/01/2017-2/28/2018
Examining Gene Markers for Abnormal Neocortical Development in an Autistic Phenotype Produced by Perinatal Exposure to Indoor Flame Retardants. The objective is to evaluate the effect of early-life exposure to brominated flame retardants on expression of patterning genes in the developing neocortex. **Role: Predoc sponsor**

Omnibus grant, UCR (**Currás-Collazo-PI**) $1,800 07/01/2017 – 06/31/2018
Possible brain origin of ozone-mediated metabolic dyshomeostasis. The aim of these studies is to evaluate markers of activity in the hypothalamus of ozone-exposed rats.

National Science Foundation, GRFP (M. Valdez-PI) $108,000 06/01/2013 – 05/31/2018
Developmental disruption of social behavior and central peptidergic systems by flame retardants in a rodent model of autism spectrum disorder. The aim of these studies is to elucidate the effect of PBDEs in social behavior and neuropeptide gene expression in socially relevant behavior circuits. **Role: predoctoral sponsor**

Sigma Xi Research Society (Martirosian-PI) $800 06/01/2016-05/31/2017
Altered Hypothalamic Neuropeptides may be Responsible for Ozone-induced Diabetes. The aim is to examine if ozone-induced diabetic rats show altered hypothalamic immunostaining. **Role: undergraduate mentor**

UC MEXUS (**Currás-Collazo**-**PI**) $1,500 11/1/2016-7/31/2017
Optimizing qPCR primers for anorexigenic and orexigenic neuropeptide genes likely associated with diet-induced diabetes. The aim of these studies is to design, test and optimize oligonucleotide primers for use in analyzing expression of diet-induced obesity marker genes.

Omnibus grant, UCR (**Currás-Collazo-PI**) $1,800 07/01/2016 – 6/30/2017
RAAS gene expression in offspring exposed developmentally to neurotoxic brominated flame retardants. The aim of these studies is to optimize primers for the measurement of central RAAS components in mouse brain.

Committee on Research, UC Riverside (**Currás-Collazo**-PI) $11,000 07/01/2015 – 06/30/2017
Effects of Soybean Oil on Gut-Brain Axis. The goal of these studies is to examine effects of soybean oil rich diets on nervous system function and behavior.

UC MEXUS (**Currás-Collazo-PI**) $1,500 12/15/2014-12/14/2015
Pilot Project: Altered Hypothalamic Gene Expression in High Fat Diet-Induced Obese Mice. The aim of these studies is to evaluate gene expression for oxytocin and release modulators in mice chronically fed high fat diet.

UC MEXUS (M. Valdez-PI) $1,500 10/31/2014-07/31/2015
Establishing a Protocol for the Microdissection of Discrete Mouse Hypothermic Nuclei for Gene Expression Profiling of Neuropeptides Derived from Small Coding Regions. The aim is to design optimal PCR primers for oxytocin and vasopressin gene expression. Role: **Predoctoral Sponsor**

NIH – NIEHS T32 (Wang-PI) $1,102,711 07/1/2010–06/30/2015
Research Training in Environmental Toxicology. The aim is to train graduate students in environmental\toxicology approaches and problems at UCR. Role: **Participating Faculty**

NIH-MARC U*STAR (J. Traugh-PI) (2T34GM062756-09) $481,633 06/01/2010 - 05/31/2015
Undergraduate Research Program. The aim is to provide research opportunities to URM undergraduate students. **Role: Mentoring faculty**.

VC Research Collaborative Seed Grant Program (Sladek-PI) $78,000 07/1/2013 - 06/30/2014
Dietary Effects on the Gut-Brain Axis. This collaborative project combines the expertise of UCR faculty members to explore the effects on the gut-brain axis in a model of diet induced obesity. Role**: Co-PI.**

UC MEXUS/CONACYT (**Currás-Collazo-Co-Director**) $25,000 07/1/2011 – 03/31/2014
Autism-relevant deficits due to developmental PBDE exposure: Participation of the PACAPergic system. The goal is to determine effects of brominated flame retardants on social behavior.

UC MEXUS; Dissertation Research Grant (Spurgin-PI) $12,000 01/1/2012-12/31/2013
Cardiovascular toxicity following developmental exposure to organohalogen pollutant PBDEs. The aim of these studies is to explore blood pressure responses after developmental toxicant exposure. **Role: Predoctoral sponsor**

APS, Porter Physiology Fellowship (Valdez –PI) $28,000 06/1/2012–05/31/2013
Glial-neuronal communication in the supraoptic nucleus and neuroendocrine function. We will evaluate neuronal-glial cross-talk in the osmotically-stimulated hypothalamus. **Role: Predoctoral sponsor**

TEACHING EXPERIENCE

UNDERGRADUATE COURSES

Systems Neuroscience (CBNS /PSYCH 124) – course instructor (30 lecture hours), enrollment 80-100+, offered once yearly (2002-2006, 2008, 2010-2020), summers (2010, 2014, 2017-2020)
Brain Control of Bodily Functions (CBNS 129)- course instructor (30 lecture hours), enrollment 55-80, offered once yearly in 2007, 2010, 2012, 2014, 2016-2020
Cellular Neuroscience: Membrane and Synaptic Phenomena (CBNS/PSYCH 120) – course Instructor (30 lecture hours), enrollment, offered once yearly in 2001, 2005-2007, 2009, 2011
Introduction to Neuroscience (CBNS 106)- course instructor (30 lecture hours), enrollment 80-230, offered in 2000, 2004, 2013 and summer quarters (2009, 2011, 2012, 2013, 2015, 2016)
Introduction to Oral Presentations (BCH 188)- course instructor (seminar course), enrollment 8-10, offered once yearly in 2006-2020
Educational Outreach Training in Neuroscience (CBNS 135)- course instructor (seminar course), enrollment 10, offered only in 2009 and 2011

GRADUATE COURSES

Fundamentals of Neuroscience: Neural and Hormonal systems (NRSC 200B - team taught)- 20% co-instructor (3 lecture hours), enrollment 8, offered in 2008, 2009
Neuroscience Laboratory (NRSC 201- team taught)- 33% co-instructor (3 lecture hours), offered in 2011, 2013, 2014
Stem Cell Biology, Applications to Nervous System (CMDB 207- team taught)- 1.5 h lecture, offered in 2007, 2008, 2009, 2011, 2013, 2014
Special Topics in Biochemistry (BCH 240), instructor (seminar course), enrollment 1-6, offered in 2005, 2011, 2015, 2018

MASTER'S DEGREE ADVISOR

Paul George Rack, Biochemistry, UC Riverside
Current Position: Manager, Molecular Biology, Thermo Fisher Scientific (Stanford Ph.D. 2012)

Jennifer Dao, Biochemistry, UC Riverside
Current Position: Research Scientist, Amgen, San Francisco

DOCTORAL THESIS ADVISOR

Chong Wook Pak (Neuroscience, 2002)
Thesis Title: "*Mechanisms of Excitotoxic Resistance in Supraoptic Neurons*"
Current Position: Attorney, International Intellectual Property Law, Cislo and Thomas, LLC.

Shenfeng Qiu (Environmental Toxicology, 2004)
Thesis Title: "*Mechanisms of Domoic Acid Action: Glutamate Receptor-Mediated Excitotoxicity and Changes of Hippocampal Neurotransmission and Synaptic Plasticity*"

Current Position: Associate Professor, Basic Medical Sciences, University of Arizona College of Medicine

Cary Coburn (Environmental Toxicology, 2007)
Thesis Title: "*Polybrominated Diphenyl Ethers (PBDEs) and Polychlorinated Biphenyls (PCBs) as Environmental Neuroendocrine Disruptors: Effects on Central Vasopressin Release; Structure-Function Relationships and Modes of Action*"
Current Position: Professor of Biology and Environmental Science, Merced College

Samuel Mucio-Ramirez (2011) (Exchange student, Mexico, 6 months)
Current Position: Researcher, Instituto Nacional de Psiquiatría, Mexico City

Arash Adami (co-sponsor, Neuroscience, 2013)
Thesis Title: "*Pathophysiology of Juvenile Traumatic Brain Injury: Role of Edema and a Potential Treatment*"
Current Position: Adjunct Professor of Biological Sciences, Miramar College
Founder/CEO of Alpha Fiber, a biotech startup

Kurt Spurgin (Neuroscience, 2014)
Thesis Title: "*The Impact of Environmental and Psychological Stressors on Markers of Stress Axis Activation and the Beneficial Effects of Manual Therapy*"
Current Position: Assistant Professor of Health Sciences, College of the Desert

Rosemarie R. Calma (Biological Sciences, 2014) (Exchange Student - Philippines, 2 years)
Thesis Title: "*Pituitary adenylate cyclase activating polypeptide (tPACAP38) and vitellogenin (Vtg) expressions in male Tilapia hybrids (California O. niloticus x O. mossambicus) exposed to DE-71 under freshwater and saline water conditions*"
Current Position: High school teacher, San Jose, CA

Matt Valdez (Neuroscience, 2016)
Thesis Title: "*Novel Roles of Pituitary Adenylate Cyclase Activating Polypeptide (PACAP) and its Receptors in Social Behaviors and Stress Responses in the Mouse*"
Current Position: ORISE postdoc, US EPA

Elena Kozlova (Neuroscience, present)

ADDITIONAL GRADUATE INSTRUCTION / COMMITTEES

I have participated in 60+ oral qualifying, dissertation, guidance or ARPE committees since 2001 at UCR. I also served as outside reader for dissertation defense at Otago University, New Zealand

POSTDOCTORAL ADVISOR

Mohamed Hussein, Professor of Physiology, Dept. of Basic Sciences, (LECOM) Lake Erie College of Osteopathic Medicine, Bradenton, FL
Elizabeth R. Gillard (deceased), Associate Editor, Carnegie Mellon University

ASSISTANT PROJECT SCIENTIST MENTOR

Poonam Deol (collaboration with Dr. F. Sladek)

VISITING SCHOLAR MENTOR

Chinthirla Bhuvaneswari Devi

LABORATORY TRAINEES/PERSONNEL

Okunola Jeyifous–Research Assistant Professor, Dept Neurobiology, University of Chicago
Eugene Snissarenko- Physician at Kaiser Permanente, Lancaster
Fernando Quiros- Psychiatrist in Bogota, Colombia
Abeena Siriboe-Watson- (MS, Univ VA), Research Technician, University of Colorado
Joseph Valdez – Ph.D. student, Neuroscience, UC Riverside

HIGH SCHOOL ADVISOR

Nicole Fournier (UCR undergraduate)
Ambereen Khan (UCR Undergraduate)

UNDERGRADUATE STUDENT TRAINING

Research advisor to undergraduate students, over 250+ since 1994
Research Advisor for MSRIP, CAMP, MARC and APS summer programs
The great majority of undergraduate trainees have received research grants, summer research fellowships, presented their research at conferences (some received awards), co-authored abstracts, co-authored articles (14) and most have achieved advanced or professional degrees or are pursuing research careers.

OUTREACH TEACHING

Organized and participated in science fair judging in elementary and middle schools
Faculty mentor to Riverside STEM High School Academy
Academic intervention/outreach in neuroscience and STEM at elementary and middle schools
Developed a course (CBNS 135) to train undergraduate neuroscience majors to create/deliver interactive educational programs for middle and high school students
Developed UCR Brain Day (hosts high school students at UCR)
Faculty advisor for student-led outreach groups (UC Neuro, UC Brain and Little Einsteins)

PROFESSIONAL ACTIVITIES

EDITORIAL BOARDS

Editorial Board, *American Journal Physiology: Endocrinology & Metabolism*, 2015-present
Editorial Board, *Advances in Toxicology*, 2013-2014
Guest Referee, *American Journal Physiology: Endocrinology*, 2011
Editorial Advisory Board, *Recent Patents on CNS Drug Discovery*, 2005-2011

GRANT AND FELLOWSHIP REVIEW

Grant Panel, National Science Foundation, Division of Integrative Biology & Neuroscience, Neuroendocrinology Program, 2000-2003
Grant Panel, UC MEXUS-CONACYT, Health and Medical Sciences, University of California (system-wide), 2001
Advisory Board in Neuroscience, National Science Foundation, 2003-04
Selection Panel, Life Sciences, President's Postdoctoral Fellowship Program, Univ. California, Office of the President, 2003-present (Chair on alternate years)
Selection Panel, National Science Foundation, GRFP, Neuroscience and Physiology, 2003-04, 2006-09, 2011-2012
Grant Panel, Anesthesiology, American Heart Association, Western States Consortium Peer Review, Brain, Cardiorenal, Lung, Respiration & Resuscitation, Surgery, 2004-2007
Evaluation Panel, National Defense Science and Engineering Graduate Fellowship Program, Cognitive, Neural, and Behavioral Sciences, 2007

PROFESSIONAL NATIONAL AND REGIONAL COMMITTEES

Member, Central Nervous System Steering Committee, American Physiological Society, 2011-2013
Chair and Member, Porter Physiology Development and Minority Affairs Committee, American Physiological Society, 2014-2016 (Member 2011-2013)
Central Nervous System Steering Committee, American Physiological Society 2014-2019 (Liaison to PPDMAC)
Advisory Board, Trainee Advisory Committee, American Physiological Society, 2014-2016 (Liaison to PPDMAC)
Participant, STRIDE Brainstorming Summit, American Physiological Society, 2018, 2020
Member, ADI/APS Mastermind Group, American Physiological Society, 2020
Charter Member, California Chapter, American Physiological Society, 2019
Member, Career Opportunities in Physiology Committee, American Physiological Society, 2020-2023

CONFERENCES ORGANIZED AND SYMPOSIA SESSIONS CHAIRED

2020 Session Co-Chair, The effect of exogenous neuropeptides on central signaling and behavior, 23rd International Symposium on regulatory peptides, Acapulco Diamante, Mexico, 2020 (postponed)
2017 Session Co-Chair, Neurotoxicity of Legacy and Emerging Persistent Organic Pollutants

(POPs) (Metabolism and Toxicology), International Symposium on Halogenated Persistent Organic Pollutants (POPs) - DIOXIN 2017, Vancouver, Canada

2015 Organizing Committee, Int'l Symposium on Persistent Toxic Substances, UC Riverside, Riverside, CA

2000, 2004 Invited Moderator, Roundtable Meeting, Student Research Program, American Heart Association, San Diego and Irvine, California

1991 Session Chair, Glutamate Receptor Pharmacology, European Neuroscience Meeting, Flims, Switzerland

SYMPOSIA AT NATIONAL AND INTERNATIONAL SCIENTIFIC MEETINGS

Selectivity of amino acid transmitters acting at N-methyl-D-aspartate and amino-3-hydroxy-5-methyl-4-isoxazolepropionate receptors, Postsynaptic Glutamate Receptors Session, Society for Neuroscience, New Orleans, LA, 1991 (Plenary talk)

Differential excitotoxic susceptibility of cortical neurons and hypothalamic neuroendocrine cells in a rat model of stroke, Tenth Medical Symposium: Research Day, Ross University, School of Medicine, Portsmouth, Dominica, West Indies, March, 1999 (Keynote speaker)

Properties of NMDA receptor channels in the SON: possible role in the synaptic modulation of neurosecretory cells during osmotic activation, The Synaptic Control of Magnocellular Neurosecretory Neurons, A Workshop, Satellite to the 2000 Society for Neuroscience Meeting, New Orleans, LA, November, 2000 (Plenary Talk)

Dietary exposure to the PCB mixture Aroclor 1254 may compromise osmoregulation by altering central vasopressin release, Neurotoxicity of Persistent Chemicals, 24th International Symposium on Halogenated Environmental Organic Pollutants and POPs, Berlin, Germany, September, 2004 (Plenary talk)

Perinatal Exposure to Aroclor 1254 Induces Long-Term Suppression of Osmotically Induced Nitric Oxide Synthase Activity in Neuroendocrine Cells of the Rat Supraoptic Nucleus, 27th International Conference on Halogenated Environmental Organic Pollutants, Tokyo, Japan, September, 2007 (Plenary talk)

Amplification of osmotically elicited local vasopressin release by PACAP and nitric oxide-dependent glutamate signaling, Workshop on dendritic peptide release, Society for Neuroscience Meeting, San Diego, CA, November, 2007 (Plenary talk)

New information on how exposure to fire retardant chemicals before birth can permanently harm the neuroendocrine system, body water regulation, and cardiovascular function, Green Science Policy Institute, Symposium on The Fire Retardant Dilemma: Part VI. University of California, Berkeley, 2008 (Plenary talk)

PBDEs and PCBs suppress osmotically elevated vasopressin and nitric oxide content in the rat magnocellular nuclei, 1st International Symposium on Neuroendocrine Effects of Endocrine Disruptors (NEED), Rouen, France, June 2010 (Plenary talk)

Neuroendocrine disruption caused by the indoor organohalogen pollutants PBDEs, UCMEXUS Symposium Toxic Earth Toxic Bodies, Binational Perspectives on Environmental Health, University of California, Riverside, March 2011 (with M. León-Olea) (Plenary talk)

Indoor flame retardants disrupt dendritic growth in primary cortical cultures by interfering with thyroid and vasopressin receptor signaling, Int'l Toxicology Summit & Expo, Hilton San Antonio Airport, San Antonio, TX, November, 2012 (Keynote speaker)

Developmental exposure to PBDEs dysregulates neuroendocrine and physiological systems relevant to homeostasis and stress, Int'l Toxicology Summit & Expo, San Antonio, TX, Nov. 23, 2012 (Plenary talk)

Developmental PBDE exposure increases blood pressure and hypothalamic-pituitary-adrenal axis activity in osmotic challenged rat, American Autonomic Society, San Juan, Puerto Rico, November 8, 2014 (trainee talk given by my undergraduate student)

Developmental exposure to indoor flame retardants exaggerates blood pressure responses by altering activity in neuroendocrine, endocrine and autonomic nervous systems, International Symposium on Persistent Toxic Substances, Riverside, CA, 11/17/2015. (Plenary talk)

Permanently compromised nitric oxide signaling necessary for neuroendocrine function after early life exposure to PCBs, International Toxicology Summit & Expo, Houston, TX, October, 2016 (Plenary talk)

Altered neocortical circuitry in mice exposed perinatally to polybrominated diphenyl ethers, 37th International Symposium on Halogenated Persistent Organic Pollutants-DIOXIN 2017*,* Vancouver, Canada, August 23, 2017 (Plenary talk)

Neurotoxic effects of developmental exposure to DE-71 on forebrain social peptides, social behavior, and olfaction in C57BL/6 mice, 39th International Symposium on Halogenated Persistent Organic Pollutants–DIOXIN 2019, Kyoto International Conference Center, August 25-30, 2019 (**Otto Hutzinger Presentation Award to my student)** (Plenary talk)

Adult or developmental exposure to PBDEs alters hepatic enzymes related to carbohydrate metabolism and oxidative stress in mice that show a diabetic phenotype, 39th International Symposium on Halogenated Persistent Organic Pollutants–DIOXIN 2019, Kyoto International Conference Center, August 25-30, 2019 (Plenary talk)

Modeling the behavioral and metabolic phenotype of mice exposed to Gulf war toxicants. Inaugural Conference of California Chapter of Physiologists, APS, USC, CA, 11/16/2019 (**Oral presentation award to my student**) (Trainee Session)

Neurotoxic Effects of Developmental Exposure to DE-71 on Forebrain Social Behavior, neuropeptides and circuit refinement in C57BL/6 Mice. Inaugural Conference of California Chapter, APS, USC, CA, 11/16/2019 (Plenary talk given by my student)

Modeling the behavioral and metabolic phenotype of mice exposed to Gulf War toxicants, 30th Anniversary of the Gulf War, Operation Desert Shield, 2020 DoD/VA State of the Science Virtual Conference, August 18-19, 2020. (Plenary talk)

Dysregulation of Hypothalamic Gene expression and the oxytocinergic system by soybean oil diets in male mice, 23rd International Symposium on Regulatory Peptides, Acapulco Diamante, Mexico, September 18-22, 2020 (postponed to 2022) (invited for Plenary talk)

INVITED SEMINARS

Neuromodulation of neurosecretory cells by vasopressin: Possible role of PACAP, Instituto de Psiquiatria, Division de Neurociencias, Mexico City, Mexico, March 2002

Amplification of osmotically elicited local vasopressin release by PACAP and nitric oxide-dependent glutamate signaling, Center for Neuroendocrinology, Department of Pharmacology, University of Otago, New Zealand, August, 2009

Exploring the Neurobiological Effects of the Environmental Toxicants Domoic Acid and PCB/PBDEs, Department of Pharmacology, University of Otago, New Zealand, August, 2009

Exposure to fire retardant chemicals before birth can permanently harm the neuroendocrine system and alter body water regulation and cardiovascular function, MARC and URC/CARE program groups at UCLA and Mount Saint Mary's College, UCLA, Los Angeles, CA, May 17, 2011

Developmental Exposure to PBDEs increases risk of Hypertensive responses and augments hypothalamo-pituitary-adrenal activity, Laverne University, Laverne, CA, September 24, 2014

Developmental Exposure to PBDEs increases risk of Hypertensive responses and augments hypothalamo-pituitary-adrenal activity, Department of Biotechnology, Pontifical Catholic University, Ponce, Puerto Rico, September 20, 2014

Toxic couch chemicals increase the risk of hypertension and abnormal stress responses, LSU, Baton Rouge, LA, March, 2015

PANEL PRESENTER

Women in Science Professional Development, SACNAS Conference in October 22–24, 2020, Long Beach, CA (postponed)

EDITORIAL REVIEW (AD HOC, SINCE 2013)

Am. J. Physiol., Heart and Circulatory Physiology
Biomedical and Environmental Sciences
BMC Public Health
Chemosphere
Drug and Chemical Toxicology
Environmental Health Perspectives
Epigenomics
Food Research
Food Research International
Journal of Neuroscience
Journal of Physiology (Lond)
Marine Toxins
Neurobiology of Aging
Neurochemical International
Neuroscience
Physiology Education
Planta Medica
Plos One

Frontiers in Neuroscience
Medicine
Journal of Clinical Investigation
Journal of Neuroendocrinology
Recent Patents on Regenerative
Toxicology and Applied Pharmacology
Toxicology
Toxicology Research

UNIVERSITY SERVICE (MAJOR)

Member, Academy of Distinguished Teachers, UCR (2017-present)
Member, Committee-in-Charge, Neuroscience Undergraduate Major, UC Riverside, 1997-present (Chair 2001-2006)
Advisory Committee, MARC Program, UC Riverside, 2009-present
Graduate Advisor of Recruitment, Neuroscience Graduate Program, UC Riverside, 2001-2003 and 2010-2013
Appointed Member, College of Natural and Agricultural Sciences Redesign Committee, 2012
Vice Chair, Department of Cell Biology & Neuroscience, UC Riverside, 2008-2010
Member, Life Council of Chairs, 2005-2008
Director, Biological Sciences Undergraduate Major, 2005-2008
Advisory Committee, President's Postdoctoral Fellowship Program, UC Office of the President (2004-present)
Member, Senate Committee on Educational Policy, UC Riverside (1999-2001)

OTHER ACTIVITIES

Memberships

Society for Neuroscience 1985-present
American Physiological Society 1984-present
American Physiological Society, California Chapter 2029-present
Sigma Xi Research Society
Faculty of Undergraduate Neuroscience 2020