

- Novoa J, Rivero C, Pérez E, Freire J, Zeger J, Yarur H, Gysling K and **AC Segarra**. Social isolation of adolescent male rats increases anxiety and K⁺-induced dopamine release in the nucleus accumbens: Role of CRF-R1. Submitted to Eur Journal of Neuroscience (In revision)
- Menéndez-Delmestre R, Agosto-Rivera, JA, González-Segarra, AJ and **AC Segarra**. Cocaine sensitization in male rats requires activation of estrogen receptors. Submitted to Hormones and Behavior (In revision)
- López OV, Gorantla S, **Segarra AC**, Andino Norat MC, Álvarez M, Skolasky RL, Meléndez LM. Sigma-1 Receptor Antagonist (BD1047) Decreases Cathepsin B Secretion in HIV-Infected Macrophages Exposed to Cocaine. J Neuroimmune Pharmacol. 2019 Jun;14(2):226-240. doi: 10.1007/s11481-018-9807-4. Epub 2018 Oct 10.
- Zenón F, Jorge I, Cruz A, Suárez E, **Segarra AC**, Vázquez J, Meléndez LM, Serrano H. 2016. 18O proteomics reveal increased human apolipoprotein CIII in Hispanic HIV-1+ women with HAART that use cocaine. Proteomics Clin Appl. 2016 Feb;10(2):144-55.
- Mosquera L, Shepherd L, Torrado AI, Torres-Díaz YM, Miranda JD, **Segarra AC** 2015. Comparison of Two Methods of Estradiol Replacement: their Physiological and Behavioral Outcomes. J Vet Sci Technol. Nov 30; 6(6):276.
- Ferchmin PA, Andino M, Reyes Salaman R, Alves J, Velez-Roman J, Cuadrado B, Carrasco M, Torres-Rivera W, **Segarra A**, Martins AH, Lee JE, Eterovic VA. 2014. 4R-cembranoid protects against diisopropylfluorophosphate-mediated neurodegeneration. Neurotoxicology. 44:80-90. PMID: 24928201
- Zenón F, **Segarra AC**, Gonzalez M, Meléndez LM. 2014. Cocaine potentiates cathepsin B secretion and neuronal apoptosis from HIV-infected macrophages. J Neuroimmune Pharmacol. 9(5):703-15. PMID: 25209871
- Mosquera L, Colón JM, Santiago JM, Torrado AI, Meléndez M, **Segarra AC**, Rodríguez-Orengo JF, Miranda JD. 2014. Tamoxifen and estradiol improved locomotor function and increased spared tissue in rats after spinal cord injury: their antioxidant effect and role of estrogen receptor alpha. Brain Res.1561:11-22.PMID: 24637260
- **Segarra AC**, Torres-Díaz YM, Silva RD, Puig-Ramos A, Menéndez-Delmestre R, Rivera-Bermúdez JG, Amadeo W, Agosto-Rivera JL. 2014. Estrogen receptors mediate estradiol's effect on sensitization and CPP to cocaine in female rats: role of contextual cues. Horm Behav. 65(2):77-87. PMID: 24355096
- Menéndez-Delmestre R, **Segarra AC**. 2011, Testosterone is essential for cocaine sensitization in male rats. Physiol Behav 102(1):96-104. PMID: 20932851
- Febo M, **Segarra AC**, Stolberg TL, Ferris CF. 2011. BOLD signal response to cocaine varies with sexual receptivity in female rats. Neuroreport. 2011 Jan 5;22(1):19-22. PMID: 21048520

- **Segarra, AC**, Agosto-Rivera, JL, Febo, M, Lugo-Escobar, N, Menendez-Delmestre, R, Puig-Ramos, A. and YM Torres-Diaz 2010. Estradiol: A key biological substrate mediating the response to cocaine in female rats. In press - Horm Behav 58(1):33-43. PMID: 20026119
- Puig-Ramos, A, Santiago, GS and **AC Segarra** 2008. U-59693, a kappa opioid receptor agonist, blocks cocaine-induced behavioral sensitization in female rats. Behav. Neurosci. 122(1): 151-160. PMID: 18298258.
- Cruz-Orengo, L., Figueroa, JD, Velazquez, I. Torrado, A, Ortiz, C, Hernandez, C, Puig, A, **Segarra, AC**, Whittemore, SR and JD Miranda 2006. Blocking EphA4 upregulation after spinal cord injury results in enhanced chronic pain. Exp. Neurol. 202(2): 421-433. PMID: 16959251
- Febo, M, **AC Segarra** G Nair, K Schmidt, TQ Duong and CF Ferris 2005. The Neural Consequences of Repeated Cocaine Exposure Revealed By Functional MRI in Awake Rats. Neuropsychopharmacol. 30(5):936-943. PMID: 15637636
- Febo, M, CF Ferris, and **AC Segarra**. 2005. Estrogen influences cocaine-induced blood oxygen level-dependent signal changes in female rats. J Neurosci. 25(5):1132-1136. PMID: 15689549
- Febo, M, **AC Segarra**, JR Tenney, MA Brevard, TQ Duong and CF Ferris 2004. Imaging cocaine-induced changes in the mesolimbic dopaminergic system of conscious rats. J. Neurosci. Methods 139(2): 167-176. PMID: 15488229
- Febo, M. and **AC Segarra**. 2004. Cocaine alters GABA B-mediated G-protein activation in the ventral tegmental area of female rats: Modulation by estrogen. Synapse 54:30-36. PMID: 15300882
- **Segarra, AC** and SJ Lee 2004. Neuroprotective effects of estrogen. In: *Principles of Gender-Specific Medicine*. Ed: M Legato, Ch. 11, pp 96-103; Elsevier Science, San Diego, CA.
- Febo, M, LA González-Rodríguez, DE Capó Ramos, NY González-Segarra and **AC Segarra** 2003. Estrogen dependent alterations in D2/D3 induced G protein activation in cocaine-sensitized female rats. J Neurochem. 86 405-412. PMID: 12871581
- Mejías, CA, CA Jiménez and **AC Segarra** 2002. Sex differences in models of temporal lobe epilepsy: Role of testosterone. Brain Res. 944 (1-2):210-218. PMID: 12106683
- Febo, M. CA Jiménez and **AC Segarra** 2002. Estrogen and opioids interact to modulate the locomotor response to cocaine. Brain Res. 943(1):151-161. PMID: 12088849
- Torres, G, V García, E Sánchez, **A Segarra**, BK Patterson and LM Meléndez-Guerrero 2001. Expression of the HIV-1 Coreceptors CCR5 and CXCR4 on placental macrophages and the effect of IL-10 on their expression. Placenta Vol. 22 Supp A: Trophoblast Res. Vol. 5: S29-S33.
- **Segarra, AC**, A Acosta, JL González, JA Angulo and BS McEwen 1998. Sex differences in estrogenic regulation of preproenkephalin mRNA levels in the POA of peripubertal rats. Mol Brain Res, 60(1): 133-139. PMID: 9748541

- **Segarra, AC** 1993. Prenatal Drugs: Effects on sexually dimorphic neuroanatomical and behavioral traits. In: Alcohol and the Endocrine System (Ed. S. Zakhari). National Institutes of Health, National Institute on Alcohol Abuse and Alcoholism, Research Monograph - 23, Ch. 10, pp 205-222.
- **Segarra, AC** and BS McEwen 1992. Drug Effects on Sexual Differentiation of the Brain: Role of Stress and Hormones in Drug Actions. In: Maternal Substance Abuse and the Developing Nervous System (Eds: I.S. Zagan and T.A. Slotkin); Ch. 13 pp 323-367; Academic Press, Inc, New York.
- **Segarra, AC**, VN Luine and FL Strand 1991. Sexual behavior of male rats is differentially affected by timing of perinatal ACTH administration. *Physiol. Behav.* 50:689-697. PMID: 1663626
- McEwen, BS, H Coirini, A Danielsson, M Frankfurt, E Gould, S Mendelson, M Schumacher **A Segarra** and C Wooley 1991. Steroid and thyroid hormones modulate a changing brain. *J. Ster. Biochem. Molec. Biol.* 40:1-14. PMID: 1958513
- **Segarra, AC** and BS McEwen 1991. Estrogen increases spine density in ventromedial hypothalamic neurons of peripubertal rats. *Neuroendocrinol.* 54:365-372.
- Strand,FL, **AC Segarra**, LA Zuccarelli, J Kume and KJ Rose 1990. Neuropeptides as growth regulating factors. In: A Decade of Neuropeptides, Eds: G.F.Koob, C.A.Sandman and F.L.Strand NYAS, 579 pp.68-90. PMID: 2159746
- Strand,FL, KJ Rose, JA King, **AC Segarra** and LA Zuccarelli 1989. ACTH modulation of nerve development and regeneration. *Prog. Neurobiol.*33:45-85.
- Strand,FL, **AC Segarra**, LA Zuccarelli, J Kume and KJ Rose 1989. Neuropeptides: Fail-safe, redundant or special? In: Neuroendocrinology: New Frontiers. Eds.: D.Gupta, H.A.Wollman and M.B.Ranke. Brain Research Promotion, London.
- **Segarra, AC** and FL Strand 1989. Perinatal administration of nicotine alters subsequent sexual behavior and testosterone levels of male rats. *Brain Res.* 480:151-159. PMID: 2713649
- Lugo-Escobar, N and **AC Segarra** Isolation stress during perinatal development increases the behavioral response to cocaine in juvenile rats. In preparation.