



Grupo CTS 430 “Psicobiología”

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- **Miembros del grupo:**
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- **Líneas de Investigación:**
 - Mecanismos cerebrales, nutrición, regulación hidromineral, refuerzo natural y artificial, estimulación eléctrica intracerebral, mecanismos opiáceos, drogas de abuso.
- **Publicaciones más recientes**
 - BERNAL A, ZAFRA MA, SIMÓN MJ, MAHÍA J. [Sodium Homeostasis, a Balance Necessary for Life](#). **Nutrients**, **2023**;15(2):395, 2023. doi: 10.3390/nu15020395.
 - BERNAL A, PAOLIERI D. The influence of estradiol and progesterone on neurocognition during three phases of the menstrual cycle: Modulating factors. **Behavioral Brain Research**, **2022**;417:113593. doi: 10.1016/j.bbr.2021.113593.
 - MAHÍA J, BERNAL A. Animal models for diabetes insipidus. **Handbook of Clinical Neurology**. **2021**;181:275-288. doi: 10.1016/B978-0-12-820683-6.00020-8.
 - BERNAL A, MATEO-MARTÍNEZ R, PAOLIERI D. Influence of sex, menstrual cycle, and hormonal contraceptives on egocentric navigation with or without landmarks. **Psychoneuroendocrinology**, **2020** ;120:104768. doi: 10.1016/j.psyneuen.2020.104768.
 - AGÜERA AD, ZAFRA MA, MOLINA F, PUERTO A Increased short-term food intake after external lateral parabrachial subnucleus lesions in rats. **Acta Neurobiologiae Experimentalis (Wars)**, **2019**;79(1):101-111.
 - MAHÍA J, BERNAL A, PUERTO A. Effects of oxytocin administration on the hydromineral balance of median eminence-lesioned rats. **Journal of Neuroendocrinology**. **2019**;31(10):e12778. doi: 10.1111/jne.12778.
 - SIMON MJ, ZAFRA MA, PUERTO A. Differential rewarding effects of electrical stimulation of the lateral hypothalamus and parabrachial complex: Functional characterization and the relevance of opioid systems and dopamine. **Journal of Psychopharmacology**, **2019** ; 33(12):1475-1490. doi: 10.1177/0269881119855982.

- HURTADO MM, GARCÍA R, PUERTO A. Tiapride prevents the aversive but not the rewarding effect induced by parabrachial electrical stimulation in a place preference task. **Acta Neurobiologiae Experimentalis (Wars)**, **2017**;77(3):236-243.
- ZAFRA MA, AGÜERA AD, MOLINA F, PUERTO A. Relevance of the nucleus of the solitary tract, gelatinous part, in learned preferences induced by intragastric nutrient administration. **Appetite**. **2017** ;118:90-96. doi: 10.1016/j.appet.2017.08.004.
- ZAFRA MA, AGÜERA AD, MOLINA F, PUERTO A. Disruption of re-intake after partial withdrawal of gastric food contents in rats lesioned in the gelatinous part of the nucleus of the solitary tract. **Appetite**. **2017** ;113:231-238. doi: 10.1016/j.appet.2017.02.040.
- ZAFRA MA, MOLINA F, PUERTO A. Chemical afferent vagal axotomy blocks re-intake after partial withdrawal of gastric food contents. **Nutritional Neuroscience**, **2017**, 20(10): 10. doi: 10.1080/1028415X.2016.1208970.