

Maestría en Ciencias Biomédicas

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Líneas de investigación:

- Códigos neuronales en la percepción, memoria de trabajo, toma de decisiones y control motor
- Correlatos neuronales en la navegación espacial
- Biomarcadores en enfermedades del neurodesarrollo
- Biomarcadores en enfermedades neurodegenerativas y epilepsia

Publicaciones seleccionadas:

1. Busch, A., Roussy, M., **Luna, R.**, Leavitt, M. L., Mofrad, M. H., Gulli, R. A., Corrigan, B., Mináč, J., Sachs, A. J., Palaniyappan, L., Muller, L., & Martinez-Trujillo, J. C. (2024). Neuronal activation sequences in lateral prefrontal cortex encode visuospatial working memory during virtual navigation. *Nature communications*, 15(1), 4471. <https://doi.org/10.1038/s41467-024-48664-9>
2. Carrillo-Mora, P., **Luna, R.**, & Colín-Barenque, L. (2014). Amyloid beta: multiple mechanisms of toxicity and only some protective effects?. *Oxidative medicine and cellular longevity*, 2014, 795375. <https://doi.org/10.1155/2014/795375>
3. Camarillo, L., **Luna, R.**, Nácher, V., & Romo, R. (2012). Coding perceptual discrimination in the somatosensory thalamus. *Proceedings of the National Academy of Sciences of the United States of America*, 109(51), 21093–21098. <https://doi.org/10.1073/pnas.1219636110>
4. Haegens, S., Nácher, V., **Luna, R.**, Romo, R., & Jensen, O. (2011). α -Oscillations in the monkey sensorimotor network influence discrimination performance by rhythmical inhibition of neuronal spiking. *Proceedings of the National Academy of Sciences of the United States of America*, 108(48), 19377–19382. <https://doi.org/10.1073/pnas.1117190108>
5. **Luna, R.**, Hernández, A., Brody, C. D., & Romo, R. (2005). Neural codes for perceptual discrimination in primary somatosensory cortex. *Nature neuroscience*, 8(9), 1210–1219. <https://doi.org/10.1038/nn1513>
6. Romo, R., Hernández, A., Salinas, E., Brody, C. D., Zainos, A., Lemus, L., de Lafuente, V., & **Luna, R.** (2002). From sensation to action. *Behavioural brain research*, 135(1-2), 105–118. [https://doi.org/10.1016/s0166-4328\(02\)00161-4](https://doi.org/10.1016/s0166-4328(02)00161-4)