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CSIC
CONSEJO SUPERIOR DE INVESTIGACIONES CIENTÍFICAS

UAM
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de Madrid

CBM
Severo Ochoa

CENTRO DE BIOLOGÍA MOLECULAR SEVERO OCHOA

4-Year full-time funded PhD position in *Antiviral therapy* (starting early 2027)

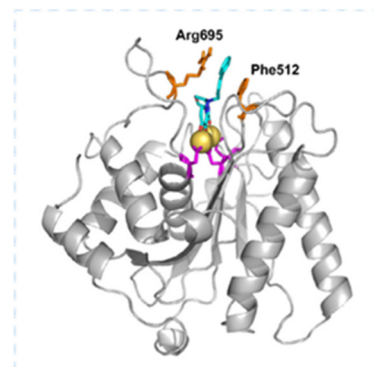
Discovery and mechanism of action of antiviral drug candidates targeting endonucleases of herpesvirus and retrovirus

In the laboratories of **Luis Menéndez-Arias** and **José Antonio López-Guerrero**, Centro de Biología Molecular Severo Ochoa, Madrid

We are developing next-generation antiviral drugs targeting essential viral nucleases. Building on a newly discovered HSV-1 inhibitor, this project optimizes novel compounds for superior potency and safety. By exploiting structural similarities between herpesvirus and retroviral enzymes, we also aim to cross-apply these pharmacophores to innovate novel HIV treatments. The project involves research in medicinal chemistry, protein engineering, molecular biology and virology and is funded by the Spanish State Research Agency (AEI) (project **PID2025-171261OB-I00**)

For additional information:

Andreu et al. (2025) Adv. Sci. 12, e08006
Martínez del Río et al. (2023) J Mol Biol 435, 168219
Martín-Alonso et al. (2022) J Mol Biol 434, 167507
Zhang et al. (2022) Eur J Med Chem 240, 114563
Menéndez-Arias & Delgado (2022) Trends Pharmacol Sci. 43, 16-29



We seek highly motivated candidates with excellent academic records and backgrounds in Biochemistry, Biology, Biotechnology, Molecular Biology, Virology, or related disciplines. We require a good academic record, a Master's degree in a field related to the research project, and good English. We value previous lab experience.

Please send as soon as possible (preferably before September 30th) a CV, academic transcripts, and a brief statement of research interests to:

lmenendez@cbm.csic.es

