



MINISTERIO
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CSIC
CONSEJO SUPERIOR DE INVESTIGACIONES CIENTÍFICAS

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1975 • 2025
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Severo Ochoa

CENTRO DE BIOLOGÍA MOLECULAR SEVERO OCHOA

CSIC – CBM Severo Ochoa

Institutional Research Infrastructure & Resources

Institution: Spanish National Research Council (CSIC)

Institute: Centro de Biología Molecular Severo Ochoa (CBM-SO)

Institutional Profile

The Spanish National Research Council (CSIC) is the largest public research institution in Spain and one of the leading multidisciplinary research organizations in Europe. Within CSIC, the Centro de Biología Molecular Severo Ochoa (CBM-SO) is a reference institute in molecular biology and biomedical research, hosting internationally recognized research groups in infectious diseases, aging and translational biology.

Key Research Infrastructures & Resources

- Certified BSL-3 animal facility integrated within the animal research infrastructure for in vivo mouse studies with high-risk respiratory viruses, including SARS-CoV-2 and related coronaviruses.
- Advanced molecular biology, cell culture, virology and immunology laboratories.
- Flow cytometry and immune profiling platforms.
- Support for large-scale omics data analysis and bioinformatics.
- Infrastructure compliant with high ethical and biosafety standards.

Core Scientific Expertise

- Aging, inflammaging and chronic disease mechanisms
- Viral pathogenesis and host response
- Post-infectious and long-term disease processes
- Senescence and senotherapeutic research
- Translational and preclinical biomedical research
- Systems biology and multi-omics integration



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Experience in European Projects

CSIC and CBM-SO have extensive experience in Horizon Europe and previous Framework Programme collaborative projects, including coordination and participation in multidisciplinary international consortia.

Contact

Cayetano von Kobbe

Coordinator of the project:

Premature onset of chronic aging-related diseases by long COVID: determination of aging shift and targeting senescent cells as a promising therapy

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