

SEM Council Members

Name:

Víctor J. Cid

Council role:

President of the Education and Communication in Microbiology Group

Employer or Institute:

Universidad Complutense de Madrid (UCM), Spain

Title:

Full Professor



Main areas of study/work:

Heterologous expression in yeast. Signal transduction. Synthetic biology.

Other information of interest:

Coordinator of the MicroMundo network: citizen science and service-learning at One Health.

Three main or most recent publications:

Sá-Pessoa J, López-Montesino S, Przybyszewska K, Rodríguez-Escudero I, Marshall H, Ova A, Schroeder GN, Barabas P, Molina M, Curtis T, Cid VJ, Bengoechea JA. 2023. A trans-kingdom T6SS effector induces the fragmentation of the mitochondrial network and activates innate immune receptor NLRX1 to promote infection. *Nature Communications* 14:871. <https://doi.org/10.1038/s41467-023-36629-3>

Valenti M, Molina M, Cid VJ. 2023. Human gasdermin D and MLKL disrupt mitochondria, endocytic traffic and TORC1 signalling in budding yeast. *Open Biology* 13:220366. <https://doi.org/10.1098/rsob.220366>

Valenti M, Molina M, Cid VJ. 2021. Heterologous expression and auto-activation of human pro-inflammatory caspase-1 in *Saccharomyces cerevisiae* and comparison to caspase-8. *Frontiers in Immunology* 12:668602. <https://doi.org/10.3389/fimmu.2021.668602>.

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Keywords:

Saccharomyces cerevisiae. Signalling. Virulence factors. Heterologous expression. Innate immunity. Model organisms.