



# Postdoc Position

## Lab

Our team study the genomic diversity and evolution of pathogens such as *Mycobacterium tuberculosis* and SARS-CoV-2 to try to understand the role of genetic determinants on virulence. We combine in vitro infections and computational approaches to decipher the genomic diversity and evolution of the pathogens, and the role of the product of genomic determinants in virulence. We are currently seven researchers, including predoctoral, postdoctoral and technical staff, based in the I2Sysbio, a join institute between the University of Valencia and CSIC, in Spain.

## Project

The project aims to find the molecular mechanisms associated to differences of pathogenicity in different combinations of *M. tuberculosis* strains and different hosts. The approach includes experimental infections with *M. tuberculosis* in different host cells, and computational analysis of omics data derived from such infections and from in vitro culture of the bacteria.

## Candidate

Recent PhD in microbiology, infection biology, bacterial evolution or related field.  
Motivation and passion for science.

## We offer

Funded postdoc position at the University of Valencia for two years starting January 2023.  
Multidisciplinary team with expertise in evolutionary genetics of pathogens, molecular biology and *Mycobacterium tuberculosis*.  
Possibility to attend national and international conferences.  
Possibility to perform short research stays in other labs.  
Well-equipped computational, BSL-2 and BSL-3 facilities.  
Safe and supportive environment for career development.

## Application

Official call will be open for three weeks starting in November.  
Informal expression of interest with your motivation letter are welcome before to [mireia.coscolla@csic.es](mailto:mireia.coscolla@csic.es).



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