



Instituto Universitario de Investigación
**Biocomputación y Física
de Sistemas Complejos**
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José Antonio Aínsa Claver

He did his PhD thesis on aminoglycoside resistance in mycobacteria, with stays at the Institut Pasteur in Paris. Afterwards, he did a postdoctoral stay at John Innes Centre (Norwich, Great Britain), working on transcriptional regulation of sporulation in *Streptomyces coelicolor*. He joined UNIZAR in 2001, where he is currently a Professor. He joined BIFI in 2014, and also belongs to the Instituto de Investigación Sanitaria Aragón (IIS-Aragón) and the CIBER de Enfermedades Respiratorias (CIBERES).



Researcher profile

He is an R4 researcher. He studies antibiotic resistance in bacteria, especially in *Mycobacterium tuberculosis*, the pathogen that causes tuberculosis. This work led him to participate in projects aimed at searching for and developing new antibiotics to deal with resistant bacteria. In these projects he has collaborated with other research groups and companies, both in Spain and at European level.

Importance of his research

Antibiotic resistance in bacteria is a serious problem worldwide, affecting human health, animal health and the environment, and is therefore encompassed by the One Health concept. Therefore, it is important to know why bacteria become resistant to antimicrobials, and to search for new antibiotics to deal with them.

He has participated in numerous divulgation activities, mainly in the MicroMundo project, in which they carry out activities in secondary and high schools, as well as in centers for the elderly. They participate in cultural activities, in the Researchers' Night, etc.

