

Call: 6th transnational call for the JPIAMR within the ERA-NET JPI-EC-AMR:
Innovations against antibiotic-resistant bacteria: New targets, compounds and tools

Title: Flavodoxin inhibitors to kill resistant bacteria

Acronym: FLAV4AMR

Consortium composition

Type	Name	Institute	Country
Coordinator	Javier Sancho	University of Zaragoza	Spain
Partner	Eliette Touati	Institut Pasteur	France
Partner	Ulrich E Schaible	Research Center Borstel	Germany
Partner	Alain Bousquet-Melou	Ecole Nationale Vétérinaire de Toulouse	France

Abstract

This transnational collaboration gathers the expertise and resources required to address lead improvement to the point of producing novel antibiotics ready for clinical trials, and to clarify the overall importance of flavodoxin as a novel drug target.

The project has two goals:

1. To culminate the improvement of inhibitors of the flavodoxin from *H. pylori*, which have shown efficacy against reference and clinical strains (including a clarithromycin-resistant one) and in a mice model.
2. To determine the relevance of flavodoxin as a novel drug target to fight bacteria which pose problems associated to antimicrobial resistance.