

POST-DOCTORAL POSITION

The Flagship project on 'Feed Additives to Reduce Enteric Methane' offers a 2-year postdoc position.

We seek to appoint a qualified and self-motivated post-doctoral fellow to work on the Flagship project entitled '**Technical guidelines to develop feed additives to reduce enteric methane**'. The work in the project is integrated with activities of the FEED AND NUTRITION NETWORK chaired by David Yáñez-Ruiz (Spanish Research Council, CSIC, Spain) and co-chaired by André Bannink (Wageningen Research (part of Wageningen UR), WR, Netherlands) and Alex Hristov (Pennsylvania State University). The network is an activity of the Livestock Research Group within the Global Research Alliance on Agricultural Greenhouse Gases; <https://globalresearchalliance.org/research/livestock/networks/feed-nutrition-network/>).

The candidate will lead research related to the following specific objectives:

- (1) Provide technical guidelines and protocols on good practices to test and develop feed additives of different natures. The technical guidelines will describe good practices to conduct trials *in vitro* and *in vivo* to target 3 main elements:
 - a. Efficacy and delivery options across different livestock production systems, especially in relation to the dietary management (pasture, high/low forage, by-products...)
 - b. Uncover the mode of action of the active molecules, and
 - c. Adequate assessment of the persistency of the effects.

- (2) Facilitate the registration process of feed additives and methods to account for the reduction in emissions achieved under farming conditions as well as in GHG inventories.

The project is coordinated by the CSIC and WR and the physical location of the position is negotiable. The position requires occasional travel for data collection and participation in collaborative and scientific meetings. Candidates must have a completed Ph.D. in Animal or Dairy Science and a strong publication-oriented record that demonstrates extensive experience with animal nutrition, rumen function, experimentation, and greenhouse gases research. A fluent level of English is required. The term of this appointment is 24 months. A competitive salary is offered.

The benefits of the contract include: i) participating in a globally active network of research groups and companies that are actively investigating and evaluating feed additives, ii) reaching out to regional and global organisations pursuing use / implementation of feed additives, iii) interacting with other GRA research networks (i.e. Rumen Microbial Genomics and Manure Management), and iv) improvement of research skills and areas within different disciplines such as rumen function, biochemistry, inventories methodology.

More information about the flagship project can be found at:
<https://globalresearchalliance.org/flagship-projects/feed-additives/>

Opening Date: 27 May 2022. Review of applications will begin immediately and continue until the position is filled. Please apply by submitting a cover letter, curriculum vitae, and contact information for 3 references to David Yáñez-Ruiz (david.yanez@eez.csic.es) and André Bannink (andre.bannink@wur.nl).

For additional information, please contact any of the coordinators.