Technician Contract Available

One 3 year-contract for a technician is available at the National Centre for Biotechnology (CNB-CSIC) to work in the development of novel vaccine candidates against viruses with epidemic and pandemic potential. As a model system for the expression of genes of interest, we use the modified vaccinia virus Ankara (MVA) strain, a member of the poxvirus family.

Project and job information:
We have received funding from the Horizon Europe Framework Programme (HORIZON) (call HORIZON-HLTH-2023-DISEASE-03) to generate novel vaccine candidates against viruses with epidemic and pandemic potential, as well as to study their immunogenicity and efficacy in animal models.
The goal is to develop new vaccine candidates and vaccination strategies against viruses with epidemic and pandemic potential, in order to establish the best-in-class immunogens that induces more potent levels of specific T and B-cell immune responses, and confer the highest level of protection and of durability. These findings will generate detailed insights into the immunological mechanisms necessary for vaccine efficacy, relevant to vaccination programs against emerging viruses, and will identify the most effective vectors that could move forward to clinical trials.
The project is highly interdisciplinary and combines methods from virology, cell biology and immunology (i.e., virus generation, cell culture techniques, immunofluorescence, RT-qPCR, ELISA, flow cytometry, virus neutralization, etc.), as well as experimentation in mouse animal models.

Competences: Highly motivated technicians with strong interest and experience in vaccine development, virology, immunology and animal models of infection. A certificate in animal experimentation (functions a, b and c) is necessary. Motivated candidates with prior experience in mouse experimentation, cell culture, molecular biology, recombinant virus generation, and immunology are especially encouraged to apply.

Start date: September 2024.

Contact: Interested candidates should submit a CV and a cover letter to Juan García Arriaza (jfgarcia@cnb.csic.es).

Relevant publications from the group available here: https://orcid.org/0000-0002-5167-5724