

Next generation anti-bacterial mRNA vaccines



A postdoctoral position is available in the “Immunobiology and Therapy” Unit headed by Professor Caroline Demangel at the Department of Immunology, Institut Pasteur, Paris, France (<https://research.pasteur.fr/en/team/immunobiology-and-therapy/>).

Project

Our lab is interested in host-microbe interactions and their role in genesis of human diseases. A postdoctoral opportunity is available to develop mRNA vaccines against key mycobacterial pathogens, using an innovative pipeline including advanced immunopeptidomics and lipid nanoparticles. The researcher will contribute to the selection of antigens to be encoded, and the evaluation of immunogenicity and protective efficacy of vaccine candidates in established cell and mouse models of infection.

The position is available immediately. Research will be conducted at Institut Pasteur in the center of Paris, which contains state-of-the-art facilities and a highly collaborative research environment. It is part of a H2020-funded project involving academic and private partners with complementary expertise in proteomics, infection biology, vaccine design and evaluation. Further information about the project and the consortium is available at: <https://www.baxerna.eu/>. Joining this initiative will provide the researcher with a unique opportunity to gain expertise in mRNA vaccines and build an international network of collaborators in this cutting-edge field.

Profile

Candidates should have a solid background in immunology in an infectious context, and skills in flow cytometry and mouse experimentation. An experience of bacterial pathogens will be a plus. Qualified candidates please send your CV to demangel@pasteur.fr, with a brief description of your research interests and contact details of references.

Application details

Funding is available for 3 years. Full administrative support is provided to foreign candidates (help with visa, accommodation, social security, transport), and benefits include comprehensive healthcare coverage.

Review of applications will begin immediately and will continue until the position is filled. Salary will be commensurate with qualifications and experience.