JOB OFFER

Date: 14/01/2022

PRINCIPAL INVESTIGATOR: José Antonio López Guerrero and Raquel Bello-Morales

SCIENTIFIC PROGRAM: COVTRAVI-19-CM

JOB OFFER: Post-doctoral investigator

PROJECT TITLE:
PLATFORMS AND PRECLINICAL MODELS FOR THE MULTIDISCIPLINARY APPROACH IN COVID-19 AND IN RESPONSE TO FUTURE PANDEMICS

PROJECT DESCRIPTION:
Assessment of anionic polymers as antivirals: We propose the characterization and assessment of different antiviral compounds against infection by different human coronaviruses as models of SARS-CoV-2 infection. The antiviral capacity of various anionic sulfated polymers against infection by the human coronaviruses HCoV-229E and HCoV-NL63 will be analyzed. The potential antiviral effect of different synthetic chemical compounds against HCoV-229E and HCoV-NL63 in vitro will be evaluated as well. Subsequently, the effect of all these compounds will be analysed in animal models.

DURATION:
01/02/2022-31/12/2022

REQUIREMENTES, EXPERIENCE AND ACADEMIC QUALIFICATIONS:
Cell cultures, viral infection, virus titer and purification; Basic techniques of Cellular and Molecular Biology (PCR, cloning and protein analysis, electron microscopy, flow cytometry), gene silencing and overexpression; Animal handling (it will be positively valued that the contracted person has the animal handling course, functions A, B and C); Use of animal models...

CONTACT:
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DEADLINE:
23/01/2022

OTHER INFORM: Salary: 30.840 Euro (Gross Salary)