

We are looking for a talented postdoctoral scientist to apply for a Marie Skłodowska-Curie Postdoctoral Fellowship to investigate the role of RNA-binding proteins during infection with Kaposi's sarcoma-associated herpesvirus (KSHV).

KSHV is an oncogenic virus that causes Kaposi's sarcoma (KS) and is linked to primary effusion lymphoma and multicentric Castleman's disease in the acquired immunodeficiency syndrome setting. There are no specific treatments for KSHV. KS is the most frequent tumour in sub-Saharan Africa, in HIV infected individuals and a risk for transplant recipients.

RNA is a central molecule in viral life cycle that mediates key host-virus interactions that promote or restrict virus infection. While our understanding on protein-RNA interactions has expanded substantially in the last few years for RNA viruses, very little is known for their DNA counterparts. This project aims to discover comprehensively and systematically the interactions that RNAs produced by the model DNA virus KSHV establish with the host cell. Our results will provide a comprehensive census of the cellular and viral RNA-binding proteins that contribute to KSHV infection and to virus-induced oncogenesis, likely revealing novel therapeutic targets against infection and, potentially, cancer.

The postdoctoral fellow will perform interdisciplinary research with cutting-edge system-wide approaches, including proteomics and transcriptomics that will be applied to relevant cell types, including epithelial, endothelial and B cells.

The successful candidate will perform most of the work in the Viejo-Borbolla lab (Institute of Virology, Hannover Medical School, Germany) and will do a secondment in the Castello lab (Centre for Virus Research, Glasgow, UK) and will contribute to the conception and development of the project. The candidate must comply with the call's criteria, described in the following link:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-msca-2022-pf-01-01>

The candidate will be mainly based in Germany. Therefore, he/she cannot have resided or carried out his/her main activity (work, studies, etc.) in this country for more than 12 months in the 36 months immediately before the call deadline (September 14<sup>th</sup>).

More information on the laboratories can be found here:

<https://www.gla.ac.uk/researchinstitutes/iii/staff/alfredocastello/>

<https://www.mhh.de/en/mhh-institutes/virology/research/viejo-borbolla-lab>

We would be grateful if you could forward this email to talented postdocs and your relevant contacts.

Best wishes,

Abel Viejo-Borbolla and Alfredo Castello