MFP CNRS UMR 5234
University of Bordeaux
Intracellular transport of viral structures
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Post-doctoral position

Understanding the fate of viral genomes post nuclear entry

The *Intracellular transport of viral structures* group at the MFP (UMR 5234), Bordeaux University (http://www.mfp.cnrs.fr/mfp/team_dissv_en.php), is seeking a highly motivated postdoctoral scientist with a strong interest in the cell biology of virus infections and advanced imaging approaches.

Our group develops innovative imaging systems to study early phases of virus entry focusing on viral strategies to overcome intrinsic cellular defense mechanisms upstream of genome replication.

Ideally, candidates should have a background and experimental expertise in cell biology of DNA viruses (preferentially adenovirus and/or polyomavirus) and/or in chromatin biology. Considerable microscopy expertise is required, advanced microscopy skills (STED, live cell imaging, CLEM) would be an asset but can also be acquired through training at the Bordeaux Imaging Center.

The successful candidate will develop and exploit a novel (unpublished) *in vivo* DNA tagging system to follow the fate of incoming viral genomes from different viruses and investigate the nuclear response of the infected cell (Komatsu et al. PLoS One 2015, J.Virol 2015, Viruses 2016, Traffic 2016). The ability to work in a multinational team and proficiency in English (oral and in writing) is required.

The postdoctoral position is funded through an "Equipe FRM 2018" grant. The awarded project: "*Comparing the post nuclear entry fate of viral genomes – from the nuclear pore to the transcription/replication site"* seeks to identify unknown host-pathogen interactions using a novel broadly applicable approach allowing direct visualization of single viral genomes and identify the (cellular) factors that guide or target the genomes.

The postdoctoral appointment is three years starting on 1st October 2018. Further information can be requested via e-mail. Interested applicants should send a CV, a complete list of publications and a brief letter stating their motivation for applying including the name and contact information of two references to Harald Wodrich (harald.wodrich@u-bordeaux.fr) until position is filled.