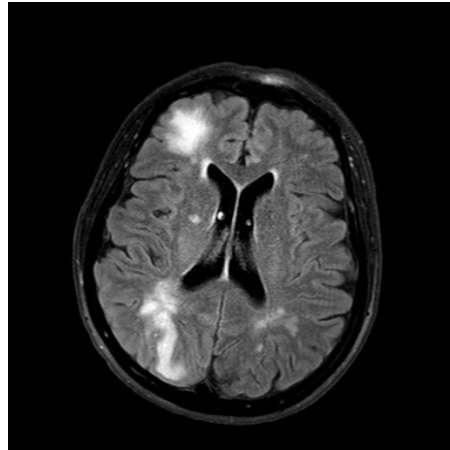


WANTED: Post doc / PhD Student in a Research Project

Cellular Effects of Neurotropic JC Polyomavirus



In our highly innovative and challenging research project we are looking for a post doc or, alternatively, a graduate student of biosciences, with a possibility to do PhD in the project. The project is carried out in the University of Helsinki and Helsinki University Diagnostic Center.

We study the human JC polyomavirus, which persists in the body of more than 50% of the population. JC virus is asymptomatic in healthy individuals, but in immunosuppressed individuals or along with biological drug regimen it may reactivate and gain neurotropic genomic changes leading to virus access to the brain. As a consequence, a fatal disease, progressive multifocal leukoencephalopathy (PML), may develop, where the virus infects brain glial cells with subsequent destruction of the white matter in the brain. The project aims to study PML pathogenesis in the brain and to find prognostic and diagnostic biomarkers for severe disease course and PML using stem cell derived astrocyte cultures and human PML brain tissues. Our approaches include cell culture, various immunostaining techniques, qPCR, RNA and small RNA sequencing, DNA sequencing, and bioinformatics.

We are looking for a person with experience of laboratory work using cell biological, molecular biological and virological techniques. Understanding of novel sequencing techniques and data analysis is valued. Initiative and ability to work independently is key.

Please contact at your earliest convenience:

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