

Postdoctoral Scientist - Cancer Biology

Job description

Applications are invited for a postdoctoral research scientist to join the “Senescence Escape Mechanisms” lab at the Cancer Research Centre of Lyon (CRCL, France).

The research work of the successful candidate will be targeted towards deciphering and understanding new genetic events involved in the regulation of cellular senescence.

The project will involve various technologies including siRNA experiments, primary cell culture, retroviral infection, cell imaging and in vivo experiments in mice.

Recent relevant lab work:

.Wiel C et al. Endoplasmic reticulum calcium release through ITPR2 channel leads to mitochondrial calcium accumulation and senescence. *Nature Communications*, 2014; 5:3792.

.Vindrieux D et al. PLA2R1 mediates tumor suppression by activating JAK2. *Cancer Res*, 2013; 73(20):6334-6345.

.Lallet-Daher H et al. Potassium channel KCNA1 modulates oncogene-induced senescence and transformation. *Cancer Res*, 2013; 73(16):5253-65.

.Humbert N et al. Regulation of ploidy and senescence by the AMPK-related kinase NUAK1. *EMBO J*, 2010;29(2):376-86.

.Humbert N et al. A genetic screen identifies Topoisomerase 1 as a regulator of senescence. *Cancer Res*, 2009;69(10):4101-6.

.Augert A et al. The M-type receptor PLA2R regulates senescence through the p53 pathway. *EMBO Reports*, 2009;10(3):271-7.

Desired skills and experience

Candidates should have obtained their PhD recently or should obtain it before the end of this year, in an area related to cellular biology, molecular biology and genetics. Experience in some of the technologies involved in the project is needed. At least one first authored publication in an internationally recognized peer-reviewed journal is required.

The recruited candidate is expected to start early in 2016. To apply send your application to David Bernard david.bernard@lyon.unicancer.fr

About the employer

Our young group is interested in understanding the role and regulation of cellular senescence in the context of cancer and aging.

More information about our lab can be found here:

<http://www.crcl.fr/240-Senescence-escape-mechanisms.crcl.aspx?language=en-GB>

CRCL provides an excellent research environment including core facilities and support services.