

The 12<sup>th</sup> IRCMS Seminar  
**How does HTLV-1 persist  
and cause disease?**

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*Date:* Thursday, March 17, 2016

*Time:* 16:00 - 17:00

*Venue:* 2F Seminar Room,  
Center for AIDS Research (CAIDS)

*Abstract:*

Human T lymphotropic virus type 1 (HTLV-1), which causes disabling or fatal diseases in 10% of people it infects, is often found in over 5% of peripheral blood mononuclear cells (PBMCs) in the infected host. A person with a high proviral load (a high percentage of infected PBMCs) is at high risk of these HTLV-1-associated diseases. The question arises: how does the virus persist at such a high abundance in the host? We are testing the hypothesis that the proviral integration site in the human genome determines the pattern and intensity of proviral transcription and therefore determines the abundance and pathogenesis of the infected T cell clones. Evidence will be presented in this seminar.

***This Seminar is certified as “Medical & Life Science Seminar 2015” for graduate student in Life Sciences.***

Organized by;

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