Institute of Medical Biology
A*STAR

Seminar Announcement

- All Are Welcome -



Speaker : **Dr Bruno Cadot**
Institute of Myology, Paris

Title : ***"Stepwise nuclear positioning in muscle"***

Date : **21 April 2015 (Tuesday)**

Time : **11:00am – 12:00pm**

Venue : **Breakthrough Theatrette, Matrix Level 4**

Host : **Dr Brian Burke**
(Tel: 64070421; e-mail: brian.burke@imb.a-star.edu.sg)

Abstract:
Nuclear movement and positioning within the cell has become an area of great interest in the past few years due to the identification of different molecular mechanisms and functions in distinct organisms and contexts. One of the extreme examples occurs during skeletal muscle development and regeneration. Skeletal muscles are composed of individual multinucleated myofibers with most nuclei positioned at the periphery of the myofiber. Interestingly, during regeneration and in some muscular diseases, nuclei are positioned in the center of the myofiber. Myofibers are formed by fusion of mononucleated myoblasts, and during myofiber development successive nuclear positioning events have been described.

About the Speaker:
Bruno Cadot obtained two PhD degrees, one at the interface between Chemistry, Physics, and Informatics with Biology from the University Paris 6 and one in Molecular Biology and Biochemistry from University of Rome 2 in 2005. He then moved to the pharmaceutical company Merck Sharp and Dohme, Rome, Italy for a postdoctoral position. In 2007, he joined Edgar Gomes group at the Myology Institute to study the role of nuclear positioning during skeletal muscle formation. He is now establishing his group in the Center of Research in Myology in Paris.