

生物化学セミナー



総合生命科学部

生命科学セミナー

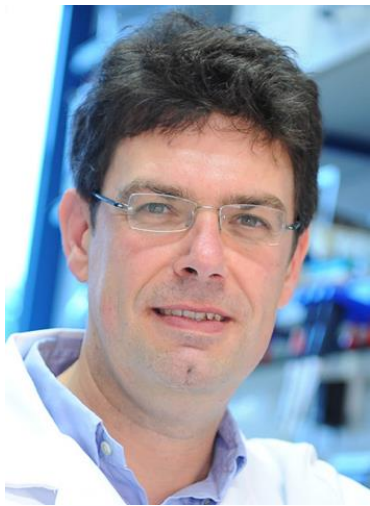
演者 : Prof. Thomas Langer (ドイツ ケルン大学)

日時 : 2016年11月28日(月)16:30~17:30

場所 : 京都産業大学総合生命科学部15号館1階 15102セミナー室

<http://www.kyoto-su.ac.jp/access.html>

## 演題 : Mitochondrial phospholipid trafficking



**Prof. Thomas Langer**

University of Cologne

The structural and functional integrity of mitochondria depends on a defined protein and lipid composition of its membranes. Disturbances in the metabolism of cardiolipin, a characteristic lipid of mitochondrial membranes, are associated with various cardiomyopathies including Barth syndrome, Sengers syndrome and dilated cardiomyopathy with ataxia (DCMA). The mitochondrial lipid homeostasis depends on contact sites between both mitochondrial membranes and lipid transfer proteins of the Ups1/PRELI protein family, which mediate the transport of phospholipids between both mitochondrial membranes in a lipid specific manner. Mechanisms of mitochondrial lipid trafficking and its relation to the biogenesis of mitochondrial proteins will be discussed.

世話人 : 京都産業大学総合生命科学部 遠藤 斗志也

共催 : JSPS 科研費 15H05705 「ミトコンドリア生合成を司る細胞内統合的ネットワークの解明」