

セミナーのお知らせ

3月3日午後5時 東校舎 1F 会議室

セミナー タイトル

“Dynamic Role of the GTP Energy Metabolism in Cancers.”

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Rapid growing cells like tumor cells need a vast amount of energy to match their high metabolic demand. Guanine triphosphate (GTP) is one of major cellular metabolites and served as a building block for RNA and DNA as well as an energy source to drive cellular activities such as intracellular trafficking, the cell migration and translation. However, how cancer cells regulate GTP energy levels to adapt for their high demand remain largely unknown yet. In addition, how cells detect GTP levels remains unknown. In this seminar, I will introduce our recent findings that uncover dramatic change of GTP metabolism in cancer cells and a GTP sensing kinase that regulate metabolism for tumorigenesis.



Judge **GTP** by size do you?

細胞内のGTPは、ATPの約10%量しかありません。
しかし、35億年の進化は、**GTPに特別な役割を与え**
ました。本セミナーでは、佐々木ラボで進行中のプロ
ジェクトを、湯気がでるほどにホットな未発表データ
をもとにディスカッションします。