Title: Plants for the future as anticancer applications.

Speaker: Professor Hany A. El-Shemy
Cairo University Research Park (CURP)
Biochemistry Department, Faculty of Agriculture
Cairo University

Date: August 2, 2016  10:00-11:00

Venue: Seminar Room 483 (Igakukei-tou 4th floor)

Abstract:

The relationship between treatments with plant-derived drugs and leukemia-associated (immuno) phenotypes (LAIPs) of clinically-isolated leukemia cells is not well-established in the Egyptian population. The objective of the present study was two-fold: 1) to develop a preliminary clinical prognostic map for commonly-expressed LAIPs in Egyptian patients clinically-diagnosed with leukemia, and 2) to assess the potential implication of LAIPs in the response rate to ten natural products of plant origin. Increased expression of LAIPs: CD4, CD14, CD33 and CD34 is considered as a surrogate marker of the desired response of leukemia cells to treatment with plant-derived drugs. Whereas, the increased expression of two particular LAIPs, namely: MPO and DR, was associated with poor prognostic outcomes following treatment with the plant-derived drugs. Our data present evidence that five out of the ten plant-derived drugs tested elicit the expression of several desirable LAIPs biomarkers. These findings clearly highlight the potential treatment efficacy of some plant-derived drugs against some selected Egyptian leukemic cell types.

*TSMMセミナーは、フロンティア医科学専攻(修士)「医科学セミナーII」(担当:久武幸司)、
生命システム医学専攻 &疾患制御医学専攻(博士)「最先端医学研究セミナー」(担当:熊谷嘉人、島野仁)
及び「医学セミナー」(担当:専攻各教員)の関連セミナーに相当します。

連絡先：筑波大学医学医療系 高橋 智（内線 7516、satoruta@md.tsukuba.ac.jp）

【筑波分子医学協会（TSMM）】HP  http://www.md.tsukuba.ac.jp/public/tsmm/
TSMMセミナー担当 筑波大学医学医療系 塩見健輔(kshiomi@md.tsukuba.ac.jp)