



האוניברסיטה העברית - הפקולטה לחקלאות המכון לביוכימיה, מדעי המזון והתזונה



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הנושא:

Natural metabolites and maintenance of genomic stability; potential for cancer prevention and treatment

המפגש יתקיים

ביום ג', 4 פברואר 2014, בשעה 10:00

מועדון סגל

Abstract:

The maintenance of genomic integrity is crucial for survival and well being of all organisms. In human, compromised genomic integrity contributes to genetic disorders, aging and cancer. Although overall cancer mortality has declined in the past decade, advanced metastatic cancer is still incurable. The current available treatments rely on targeting the highly proliferative cells within the tumors and leaving behind the slow and dormant tumor initiating/progenitor cells that have the potential for self-renewal. Thus, existing therapeutic agents offer limited efficacy for eradicating cancer and new strategies are warranted. Here I will describe novel plant-derived compounds as well as nutritional factors that exhibit higher sensitivity towards tumor initiating cells and their role in inducing genomic instability. In addition, this talk will describe the novel technology of conditionally-reprogramed cells and how it can contribute to advance personalized medicine.

סגל וסטודנטים מוזמנים להשתתף

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