



# האוניברסיטה העברית - הפקולטה לחקלאות המכון לביוכימיה, מדעי המזון והתזונה



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הנושא:

### Linking metabolism and cell identity: a voyage from the *Arabidopsis* root to embryonic stem cells

המפגש יתקיים

ביום ד', 18 דצמבר 2013, בשעה 13:00

מועדון סגל

Abstract:

Living organisms are defined by their metabolic activity. Metabolic processes are involved in every aspect of cell function, thereby enabling the characterization and quantification of cellular processes and phenotypes. Cell differentiation involves a shift in the metabolic machinery. Deeper knowledge of the metabolic switches and molecular circuitry underlying cell differentiation may provide a means for monitoring and controlling such processes. This requires the study of metabolism in specific cell types. The metabolic profiling of cell populations within the *Arabidopsis* root was used as a model for cell-type metabolic analysis. The interactions between metabolism, epigenetics, and cell identity were then examined during embryonic pluripotent stem cell differentiation. New insights into metabolic regulation of cell differentiation will be discussed.

סגל וסטודנטים מוזמנים להשתתף

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