



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



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הנושא:

### Distribution, discovery and development of ice-binding proteins

המפגש יתקיים

ביום א', 24 נובמבר 2013, בשעה 9:00  
באולם אברמס (ליד מזכירות ביוכימיה)

#### Abstract:

Ice-binding proteins (IBPs) are widely distributed in nature and make a major contribution to the productivity and diversity of ecosystems at high latitudes and altitudes. They are remarkably diverse in structure, function and origin. Affinity for ice, the one obvious property they share, can be used to discover new IBPs. One potential application of IBPs is to confer protection from freeze damage to plants and other organisms that have no such natural defence. The technical challenges of doing this through gene transfer are less daunting than the regulatory hurdles and popular opposition to genetically modified foods. I will present an example where an IBP gene has, in recent geological time, been laterally transferred between two distantly related fishes.

סגל וסטודנטים מוזמנים להשתתף

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