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## Distinguished Lecturer Series



**Prof. Alberto Marchetti-Spaccamela**  
Sapienza University of Rome, Italy

## Structures and Hyperstructures in Metabolic Networks

There has been an increasing interest by the computational biology community in the study of chemical reactions within cells; indeed cells can be considered as chemical factories that manufacture the various products of the cells and the metabolic capacities of an organism are directly dened by the set of its possible biochemical reactions. The links between reactions and compounds (or metabolites) that are used and produced by such reactions constitute the metabolic network of an organism.

The vast literature focusing on metabolic networks can be roughly classified in two categories depending on whether networks are studied either from a structural perspective, or from a dynamic one. Main results and characterization in both approaches are surveyed.

12:00-14:00 on Sunday, 24 June, 2012—Room 421, Alon Bldg (37/421)  
(421/37) 37 בבניין אלון 421 בחדר 2012— ב יוני— 24 יום א 12:00-14:00