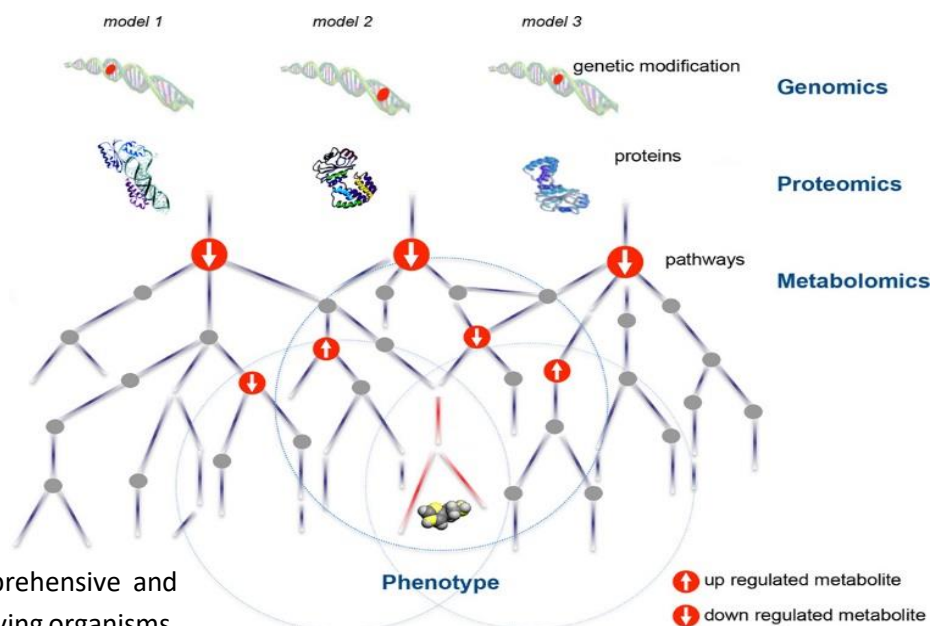


Biomedicine Discovery Seminar Series

Speaker: Óscar Yanes, PhD

Title: Metabolomics as a unique biochemical approach to understand disease pathogenesis.
Department of Electronic Engineering, IISPV, Universitat Rovira i Virgili, Tarragona, Spain.
Centro de Investigación Biomédica en Red de Diabetes y Enfermedades Metabólicas Asociadas (CIBERDEM).

18 de Octubre, 13:30 horas Aula Francisco Grande, IIS-Fundación Jiménez Díaz.
Avda. Reyes Católicos, 2 Madrid



Metabolomics is defined as the comprehensive and quantitative analysis of metabolites in living organisms. Among the omic sciences, metabolomics is possibly the most multidisciplinary of all, requiring a wide background knowledge of signal processing, analytical and organic chemistry, statistics and cell metabolism. Here an untargeted metabolomics workflow will be detailed that provides examples to understand disease pathogenesis and translate large measurement datasets into useful clinical information in relevant areas such as cancer, diabetes and associated metabolic disorders.

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