

XII Congreso Nacional de Biotecnología y Bioingeniería



SYSTEMS BIOLOGY – EMERGING OPPORTUNITIES FOR BIOTECHNOLOGISTS

K. Niranjan

The University of Reading, U.K.

Systems Biology is defined as the quantitative analysis of the dynamic interactions between several components of a biological system and aims to understand the behaviour of the system as a whole, as opposed to the behaviour of its individual constituents.

Can we link the three mathematically?: Signal transduction, metabolic networks and genetic networks

This is a key quantitative objective of systems biology which is discussed in this presentation.