

Does biology need informatics?

Jerzy Tiuryn

Faculty of Mathematics, Informatics and Mechanics

University of Warsaw, Poland

The question is obviously rhetoric and the answer is YES. Dependence of modern molecular biology on informatics is overwhelming and still growing. I will illustrate in my talk some highlights of informatics being applied to biology: in the past (sequence alignment algorithm and database search) and present (de novo genome assembly from massively parallel sequencing data). I will conclude my talk with describing the current challenge of deciphering the gene regulatory code.