

ANALYSIS OF THE DEVELOPMENT AREA AS A BIOINFORMATICS RESEARCH, TEACHING AND EXTENSION IN THE UNIVERSITY OF META CORPORATION

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ABSTRACT

"The biological sciences are poised to become to the 21st Century what physics has been to the 20th Century" ⁽¹⁾. Just as the discovery of DNA in the 1950's led to a profound revolution in biological understanding, today we are poised to make a similar leap, in which advanced computational tools will be used to understand biological systems in all their complexity while preserving and exploiting those systems in a sustainable fashion. "Computational biology is part of a larger revolution that will affect how all of science is conducted. This larger revolution is being driven by the generation and use of information in all forms and in enormous quantities and requires the development of intelligent systems for gathering, storing and accessing information.

In the last ten years, biology has been confronted with new methodologies derived from the area of computing, such as the development of new algorithms and mathematical applications specially designed for integrating and analyzing the mass of data (Human Genome) that were generated from the application of the methodologies in biological research.

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