

GENOMIC AND DARWINIAN MEDICINE

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Medicine is the art and science which aims to cure or alleviate symptoms of disease. Genomics is the scientific study of the totality of the genetic material of a species. Genomic medicine, therefore, would be the interaction between these two fields of knowledge. Darwinian medicine, on the other hand, is the field of knowledge which deals with the application of evolutionary principles for the understanding of health and disease. Questions considered by darwinian medicine, systems biology, gene and disease networks, as well as an example of our research in hemophilia A will be presented. Pathological processes can only be understood through an approach which transcends immediate facts, looking for an interpretation in the wide context of organic evolution. It is through this investigation that we eventually could establish in an appropriate way our position in the universe.