

The future genomics

Krishna Dronamraju

Foundation for Genetic Research, USA



Abstract

The future of Genomics holds much promise and opportunities. These are briefly mentioned here and will be expanded in an oral presentation. Evaluating scientific evidence to support valid and useful genetic tests and counseling. Monitoring the use of genetic tests and family health history in populations, and evaluating the outcome in various families. Exploring the use of valid and useful genetic tests and family health history tools to plan clinical practice, policy, and design programs to detect people who are at risk for disease, make diagnoses, and suggest appropriate interventions. Inserting genomic information and clinical decisions in health records. Developing practical recommendations that evaluate the net health benefit of genetic tests and family health information. Evaluating the impact of genetic applications in individual families, local communities and populations. Develop efficient methods to interpret and translate recommendations into practice. Incorporating genomics education at all levels in schools. Maintaining the privacy and confidentiality of genomic information of all kinds. Coordination of Genomic data from all sectors of the academia, the industry, as well as all other sections of the society.



Biography:

Krishna Dronamraju is President of the Foundation for Genetic Research in Houston, Texas, USA. He received his Ph.D. from the Indian Statistical Institute while working with the famous scientist J.B.S. Haldane. Dr. Dronamraju is the author of over 100 research papers and 22 books in genetics, biotechnology and the history of science. He was an Advisor to the U.S. Government in Genetics and Agriculture. He is a recipient of the Nayudamma Award in Science and a Visiting Professor of the University of Paris.

Speaker Publications:

1. "Decoding the Language of Genetics . By David Botstein. Cold Spring Harbor (New York): Cold Spring Harbor "

Laboratory Press. \$79.00. xiii + 223 p.; ill.; index. ISBN: 978-1-62182-092-5. 2015.

March 2017 The Quarterly Review of Biology 92(1):107-107
DOI: 10.1086/690885

2. "J.B.S. Haldane as I knew him, with a brief account of his contribution to mutation research"

May 2015 Mutation Research/Reviews in Mutation Research 765

DOI: 10.1016/j.mrrev.2015.05.002

3. "Victor McKusick and the History of Medical Genetics"
December 2013

DOI: 10.1007/978-1-4614-1677-7

4. "GMO debate: Inconclusive"

July 2013 Frontiers in Genetics 4:123

DOI: 10.3389/fgene.2013.00123

[13th International Conference on Genomics and Molecular Biology](#); May 25-26, 2020 Webinar

Abstract Citation:

Krishna Dronamraju, The Future of Genomics, Genomics 2020, 13th International Conference on Genomics and Molecular Biology; May 25-26, 2020 Webinar.

<https://genomics.insightconferences.com/speaker/2020/krishna-dronamraju-foundation-for-genetic-research-usa-1824890907>