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## **Genomics in Biological Anthropology: New Challenges, New Opportunities ( Volume 2 )**

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### **About the eBook**

This volume explores the impact of new advances in molecular methods, such as DNA sequencing, amplification and analysis on our knowledge about the genetics of prehistoric and existing humans. Topics covered in this volume include an overview of genomic projects, mitochondrial DNA (mtDNA) analysis, ancient DNA, mutation rates in chromosome Y, genomics of isolated populations, complex phenotypes and forensic anthropology.

### **Contents**

- Human Genomic Projects: Setting the Stage for Genome-Scale Anthropological Studies
- Complete Mitochondrial DNA through Massively Parallel Sequencing: Methodology and Applications
- Somatic vs Germinal Mutations in Mitochondrial DNA: Is There Any Relation with Human Health and Aging?
- Human Y Chromosome Mutation Rate: Problems and Perspectives
- Genomics of Isolated Populations: Inferences for Gene-Finding Studies
- Complex Human Phenotypes: The Interplay between Genes and Environment
- Ancient DNA: From Single Words to Full Libraries in 30 Years
- Troubles and Efficiency of aDNA
- aDNA Methodological Revolution
- Complicities Between Forensic Anthropology and Forensic Genetics: New Opportunities for Genomics?

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