

## Special Issue

# The Role of Genomics and Transcriptomics in Understanding Zoonotic Diseases

### Message from the Guest Editor

Zoonotic diseases are caused by infectious agents that are naturally transmitted from animals to humans. The advances in genomics and transcriptomics research have enhanced our understanding of the molecular basis of diseases. Genomics studies inform us about the genetic makeup of an individual or an infectious agent. This includes information about the genetic variations that may increase the susceptibility to diseases in humans and/or the higher pathogenicity of certain variants of a microbe. Transcriptomics is an in vivo continuum of genomics that enables the determination of information on the complete expression profile of genes in the form of RNA transcripts in individual host cells, tissues, or pathogens. The “omics” technologies and related biodata will enable effective strategies for the prevention, diagnosis, and treatment of zoonotic diseases. Our Special Issue on genomics and transcriptomics invites research studies from our colleagues on diverse pathogens (bacteria, virus, fungi, and parasites) that cause zoonotic diseases.

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### Guest Editor

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## Animals

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### Message from the Editor-in-Chief

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### Editor-in-Chief

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