



Molecular Research of *Escherichia coli* K-12

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Message from the Guest Editors

Dear Colleagues,

E. coli is such an every-day asset in the modern molecular biology lab as a host for genetic engineering and biotechnology purposes. Most major breakthroughs in molecular biology trace back to research with *E. coli* laboratory strains. The *E. coli* K-12 lineage in particular played a key role in the establishment of *E. coli* as a model organism. The year 2022 is the centenary year of the isolation of *E. coli* K-12 at Stanford University. With a well-defined history encompassing thousands of different derivative strains, *E. coli* K-12 was instrumental in the development of the molecular biology field. It also provided one of the first genomes to be sequenced, 25 years ago—a major milestone in the field of genomics. In this Special Issue, we aim to collect original research and review articles on the function of newly characterized gene products or gene and gene–product interactions in metabolic and regulatory processes and the structural/conformational underpinnings of such processes in *E. coli* K-12, in celebration of the centennial of its appearance on the scientific scene.





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Message from the Editor-in-Chief

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