



Biomedical Advances in ABC Transporters: From Bench to Bedside

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Message from the Guest Editor

The goal of this Special Issue, “Biomedical Advances in ABC Transporters: from Bench to Bedside”, is to present the state-of-the-art of our current knowledge about the roles and mechanisms of ABC transporters. Topics include but are not limited to:

- Bioinformatics and molecular evolution of ABC transporters;
- Structure–function relationship on ABC transporter-associated human diseases;
- ABC transporters v.s. multidrug resistance;
- Metabolism v.s. ABC transporters;
- Roles of ABC transporters in infectious diseases;
- Cell and animal models to study ABC transporters in human physiology and disease pathology;
- Drug discovery and drug design on the basis of structural and molecular findings;
- Targeted therapies to rescue defective ABC transporters;
- Targeted therapies to modulate ABC transporter functions;
- Perspectives related to genetic or functional defects of ABC transporters;
- Clinical trials and population-based studies in ABC transporter-associated disorders;
- Rare genetic diseases associated with ABC transporters.





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Message from the Editor-in-Chief

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