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Current Trends in Computational Strategies for Vaccine Development

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Message from the Guest Editors

Vaccine development is a complex and time-consuming process that involves many stages, from identifying potential vaccine targets to testing and manufacturing the final product. In recent years, computational strategies have emerged as a powerful tool for accelerating the vaccine development process. Computational strategies for vaccine development can help to identify potential vaccine targets at a much faster pace, aid in the design and optimization of vaccine candidates, and predict and analyze the immune response to specific antigens. Researchers can use molecular modeling techniques to create three-dimensional models of vaccine antigens and adjuvants and use these models to design more effective and stable vaccine formulations. Overall, the use of computational strategies for vaccine development has the potential to greatly improve the speed, efficiency, and success rate of vaccine development and ultimately improve public health outcomes.

This Special Issue aims to provide a comprehensive overview of the various computational strategies used in vaccine development.







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Message from the Editor-in-Chief

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