

“Vaccine development and challenges”

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Abstract:

Vaccines are the most cost effective health intervention against infectious diseases and hugely important in maintaining global public health. Despite this success, there is still a great need for new vaccines and these are emerging far more slowly than we would wish. In spite the massive expansion in understanding of immune responses to infection, research is often hindered by a lack of understanding of the immune responses required specifically for protection. In recent years, a paradigm shift has been observed in the way vaccines are being developed.

This presentation aims to provide detailed information on types of vaccines, phases of vaccine development and typical vaccine development timelines. Further, this presentation also aims provide extensive information on development of Chimeric ZIKA virus vaccine and world’s first transgenic COVID-19 vaccine using yellowfever-17D backbone.


