

Features:

- Offers comprehensive coverage of different vaccine platforms and their development
- Includes information on the regulatory perspective of vaccine development
- Describes different delivery approaches for vaccinology
- Explains the clinical development of vaccines along with novel platforms
- Covers all recent developments of vaccine production technologies, new types of vaccines, and ongoing research that could prevent future pandemics

Περιεχόμενα:

- 1: History of Vaccination
- 2: Vaccine Adjuvants and carriers
- 3: Conventional vaccination methods: Inactivated and Live attenuated vaccines
- 4: Subunit protein based Vaccines
- 5: Peptide based vaccines and altered peptide ligands: Multiple Sclerosis paving the way
- 6: Vector based vaccine delivery and associated immunity: Current Status and Way Forward
- 7: It's all about the delivery: How to augment the efficiency of DNA vaccination
- 8: Plant-based biotechnological vaccines for emerging infectious diseases
- 9: Expression system and purification process for the vaccine production
- 10: Targeting dendritic cells for antigen delivery for vaccine design
- 11: Parenteral Vaccine delivery: from basic principles to new developments
- 12: Mucosal Vaccine delivery
- 13: Personalized vaccines, novel vaccination technologies and future prospects
- 14: The application of nanoparticle-based delivery systems in vaccine development
- 15: Preclinical and clinical development for vaccines and formulations
- 16: Regulatory processes involved in clinical trials and IPR around vaccine development
- 17: Vaccine safety, efficacy, and ethical considerations
- 18: Regulatory consideration and pathways for vaccine development
- 19: New approaches to vaccines for infectious diseases
- 20: New approaches to vaccines for cancer
- 21: New approaches to vaccines for autoimmunity
- 22: The fast-track development COVID-19 vaccines
- 23: Myths and Facts about Vaccination: Dispelling Myths and Misconceptions with Science
- 24: Proteogenomics and immunopeptidomics in the development of advanced vaccines
- 25: Future Vaccine Technologies