

Microbial Vaccines and Immunomodulators

A Special Issue from
Microbial Biotechnology

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Vaccines are the most cost-efficient tool to prevent infectious diseases and their therapeutic use is gaining interest. Whole cell vaccines are being replaced by well-defined acellular formulations exhibiting improved safety profiles. Innovative antigen screening technologies, new adjuvants and advanced delivery systems enable a fine tuning of responses, according to clinical needs, whereas novel preclinical and clinical validation approaches increase predictability of reactogenicity and efficacy.

This Special Issue aims to publish latest advances in this rapidly developing and exciting field of disease prevention and treatment, including, but not restricted to:

- Antigen discovery & screening technologies
- New antigen delivery systems & adjuvants
- DNA and polysaccharide-based vaccines
- Advanced platforms for preclinical validation
- New immunomonitoring strategies & clinical trials
- Prophylactic & therapeutic vaccines
- Vaccines tailored for specific population groups
- Mechanisms of action of human vaccines
- Epidemiological studies on the impact of vaccination in humans
- Regulatory & Policy issues

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