



International Alliance for
Biological Standardization

**Maintaining the Quality of Vaccines Through the Use of Standards:
Current Challenges and Future Opportunities**
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Dr Tiequn Zhou joined the World Health Organization (WHO) in 2005 as a scientist in norms and standards for biologicals where she has been engaged in the international biological standardization programme that involves development of international written and measurement standards and standardization of assays to assure the quality, safety and efficacy of vaccines and facilitate international convergence of vaccine regulation. Providing technical support to regulators, manufacturers and others in countries on the use of these standards is also part of her job. In her role, Dr Zhou has coordinated many standardization activities, through close collaboration with international experts and institutions, including developing guidelines/recommendations and manual/protocols for various vaccines such as: rotavirus, pneumococcal, meningococcal, yellow fever, poliomyelitis (OPV, IPV), HPV, influenza, Ebola, RSV, and mRNA vaccines. During 2006- 2011, she coordinated a WHO global HPV LabNet tasked for standardization of HPV serology and virology. During COVID-19, she has been engaged in facilitating the development of measurement standards for SARS-CoV-2.

