



International Alliance for
Biological Standardization



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With over 30 years of experience at the Food and Drug Administration, Phil has a unique combination of scientific, regulatory, clinical, and public health experience. He is trained as a physician with board certification in internal medicine and infectious diseases and a researcher with over 100 publications on topics spanning clinical evaluation of vaccines, viral pathogenesis and immunology, and biological product development. He has served as a key advisor to the World Health Organization, providing advice on vaccine development and evaluation, including as Chair of the WHO's Research and Development Blueprint COVID-19 Vaccine Expert Group. He is currently an independent consultant, providing strategic and regulatory advice related to biological product development.

He has made significant contributions to previous IABS meetings, most recently as a co-author of an article entitled "A vision for patient-centric specifications for biologicals", which summarized recent thinking presented by others and himself at various meetings in the past few years.