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Biological Standardization

**Maintaining the Quality of Vaccines Through the Use of Standards:
Current Challenges and Future Opportunities**
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Dr. McCarthy is Senior Director, Science and Standards in USP's Global Biologics Department, where she leads development and maintenance of physical and documentary standards to support quality of medicines and oversees the USP biologics laboratories in the US and India. Her team supports standards and tools across a diverse range of therapies, including vaccines, peptides, cell and gene therapy, monoclonal antibodies, and other protein therapeutics. Prior to joining USP, she worked for several small CROs that focused on the characterization of biologics, host cell proteins, and biomarkers. Dr. McCarthy earned her Ph.D. in Biochemistry from the University of Texas at Austin.

