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 Emmanuelle Coppens is a Global Analytical Expert in 3Rs and Immunology with the mission to coordinate removal of in vivo analytical testing within Sanofi vaccines company. She graduated from French National Veterinary school with a specialty diploma in laboratory animal science and with a thesis in Molecular Virology. After a first experience in Pierre Fabre (human medicine company) research center Animal Resources department (Castres, France), she joined Sanofi Pasteur (Human vaccines and sera company) Quality Control (QC) department in the vicinity of Lyon, France.
She was head of a QC laboratory unit dedicated to analytical testing and animal derived reagents production and then moved to transversal activities. In parallel to being expert in neurovirulence and tumorigenicity (histopathology), she was in charge of analytical lifecycle management projects as well as compendial monitoring for in vivo analytical testing and AAALAC accreditation of animal facilities.

Her fields of expertise are in vivo & in vitro bioassays, neurovirulence and safety in vivo testing, applicable to human vaccines and biologicals. She is a member of EPAA Industrial Steering Committee and of EPAA project "3Rs Harmonization in Biologicals" as well as a member of expert working group within NC3Rs project "Review of animal use requirements in WHO biologics guidelines".