

Aggregation of therapeutic proteins in human plasma and human blood: a new research and development field

Prof. Dr. Tudor Arvinte

Chairman, CEO - Therapeomic Inc. University of Basel Klingelbergstrasse , Switzerland

University of Geneva - School of Pharmacy Geneva-Lausanne - Department of Pharmaceutics and Biopharmaceutics, Switzerland

After injection of a clear, not aggregated protein solution, aggregation can form at the injection site in tissue or in the blood stream. The talk will present new data on the characterisation of the aggregates formed in vitro when different formulations of therapeutic proteins are mixed with human plasma and blood. A model for the aggregation will be presented and some clinical implications of the aggregation induced by biopharmaceuticals will be discussed