



International Alliance for
Biological Standardization



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Bernard G Francq is Director at GSK, driving statistical innovation for CMC projects worldwide. He has held roles in non-clinical statistics at GSK, biostatistical research in academia, and clinical trials statistics at the University of Glasgow, fostering collaborations with industry and health authorities. He earned MSc degrees in Molecular Biology Engineering, Industrial Statistics, and Applied Statistics, as well as a PhD in Statistics.

During his MSc/PhD studies, he pioneered errors-in-variables regressions in method comparison studies, earning the Quételet Prize (2008, Belgium), Best Chemometrician Prize (2009, Paris), and Best Presentation for Young Researcher (2012, Paris). He received the Greenfield Challenge Award for excellence in technical communication (ENBIS 2012, Ljubljana), the Best Communication Award (ENBIS 2012, Ljubljana), and was co-recipient of the Best Industrial Talk Award on assay qualification (ENBIS 2017, Napoli). He is also the principal author of the best GSK Statistical Paper on tolerance intervals in bridging studies (2020). He has co-authored over 40 papers, including two of the most downloaded in Wiley (Statistics in Medicine, 2019; Analytical Science Advances, 2022). He is the creator and author of the R packages BivRegBLS (for method comparison studies) and AccelStab (for accelerated stability studies using a hybrid frequentist-Bayesian approach).

Bernard participates in several working groups within the IQ Pharma consortia, is regularly invited as a speaker or panelist at conferences, serves on scientific committees (e.g., the non-clinical statistics conference in Europe), and sits on the board of directors of ENBIS (European Network for Business and Industrial Statistics).

His current research focuses on design of experiments, (non)-linear mixed models, tolerance intervals, (accelerated) stability analysis, and animated graphs. He loves sharing his passion by mentoring (PhD) students and delivering statistical innovative training courses in the (bio)pharmaceutical industry.

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