

Personalised medicines data, including Omics (Genomic, proteomic, metabolomic data)

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Advancing pharmacogenomics in medicines regulation and clinical practice: a call for collaborative action

The full potential of pharmacogenomics to improve drug development and clinical practice has yet to be realized. Here, we present recommendations to address barriers to its implementation.

By [Jasmine Gratton](#) , [Peter Arlett](#), [Falk Ehmann](#), [Daniel Prieto-Alhambra](#), [Patrice Verpillat](#), [Emmanuel Cormier](#), [Irene Norstedt](#), [Aimad Torqui](#), [María Jesús Lamas Díaz](#), [Carmen Laplaza Santos](#) & [Munir Pirmohamed](#)

Pharmacogenomics

Polygenic risk scores

Proteomics

Metabolomics

Multi-omics

Multimodal algorithms