

## Open Letter of the EU-STANDS4PM Consortium

*Invitation to work with us towards developing broadly applicable guidelines and standards for in silico approaches for personalized medicine*

Dear Coordinators of H2020 collaborative projects,  
Dear interested stakeholders,  
Dear Experts:

EU-STANDS4PM is a Coordinating and Support Action funded under the Horizon2020 framework programme of the European Commission with the overarching aim to bundle transnational standardization guidelines for in silico methodologies in transnational and clinical research.

Currently there are no widely accepted overarching strategies or concepts to harmonize the integration of health/disease data and data-driven in silico approaches that enable the interpretation of Big Data for personalized medicine. What is lacking are standardization documents on a European level and recommendations that allow exploitation of Big Data to develop medical benefits for an individual patient or stratified patient groups. A major focus of EU-STANDS4PM is thus to map and evaluate strategies for data-driven in silico modelling approaches for personalized medicine with the following objectives:

- > To establish a pan-European standardization framework for in silico methodologies applied in personalized medicine
- > To develop pan-European, generally admitted recommendations for standardization guidelines for in silico methodologies applied in personalized medicine
- > To improve data sharing, dissemination and governance for European collaborative research projects

As liaison member of ISO Technical Committee 276 “Biotechnology” and 215 “Health Informatics” EU-STANDS4PM is also actively involved in formal standardization work that cover topics such as:

- > Definition of data and model formats and their interfaces
- > Definition of metadata and relations of data and models
- > Quality management of processed data and models
- > Capturing safe communications
- > Management of information concerning the total health process
- > Coordination of modelling of relevant standards regarding terminology, messaging and security

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EU-STANDS4PM is an open network and seeks input from all relevant stakeholders that have an interest in advancing predictive in silico methodologies through broadly applicable standards as well as coordinated procedures for the integration of health data. This will help to sustain the competitiveness of the European Research Area and ensure a leading role for the European personalized medicine community of stakeholders in the transition towards a data-driven and predictive medicine of the future.

If you have an interest to contribute to the standardization work performed in EU-STANDS4PM and the corresponding ISO Technical Committees, your contribution is highly welcome and would certainly enhance the quality of the ISO data standards currently under development. For specific questions regarding these tasks feel free to contact our corresponding project partner and ISO convenor:

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The EU-STANDS4PM consortium invites you to work with us to achieve our ambitious goals!

Yours sincerely,



**Dr. Marc Kirschner:** Coordinator, on behalf of the EU-STANDS4PM consortium