

A European standardization framework for data integration and data-driven *in silico* models for personalized medicine – EU-STANDS4PM

Annual Meeting 2022

Towards broadly applicable standards for *in silico* approaches in personalized medicine

18-19 May 2022 online

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INTRODUCTION

EU-STANDS4PM

One of the major goals of EU-STANDS4PM is to assess and evaluate standardization strategies for health data integration as well as data-driven in silico approaches for personalized medicine with the aim to bundle European standardization efforts. A central aim is to develop standards as well as recommendations and guidelines for predictive data-driven computational models applied in personalized medicine.

The goal of the current annual meeting is to present the EU-STANDS4PM project output to a broad stakeholder community and reflect on future developments for the following topics:

1. A catalogue of personalized medicine reference data with examples of good practice in data collection and reuse from ongoing H2020, IMI and other relevant projects as a basis for European collaboration and data sharing.
2. Development of community-based guidelines and normative ISO documents covering recommendations and requirements for predictive computational models in personalised medicine research that help to support collaborative research projects as well as funding organizations to ensure credibility, quality and sustainability of public funded projects.
3. The legal and ethical framework necessary to develop lawful and ethical data integration in a fair and transparent way, respecting patients' rights.
4. Innovative data governance for collaborative research projects: A new harmonized data access agreement for controlled access data.

Together with invited guests, we will discuss implementation strategies for standards developed by EU-STANDS4PM that shall help to support collaborative research as well as funding organizations to ensure credibility, quality and sustainability of public funded projects.

Registration and meeting access

Annual meeting: 18 – 19 May 2022 | 10am – ca. 2pm CEST online

Meeting registration: https://formulare.ptj.de/eu_stands4pm_annual_meeting_2022

Zoom-Meeting access:

<https://kta-email.zoom.us/j/97325955029?pwd=WTNucUJKSUw2NFZHTmlCdkR0TEEx6QT09>

Meeting-ID: 973 2595 5029 | Code: 641478

Mobile access:

+496938079884,,97325955029# Deutschland

+496950500951,,97325955029# Deutschland

AGENDA

18 May 2022 – EU-STANDS4PM annual meeting part I

Welcome

10:00 – 10:15 **Introduction**
 Marc Kirschner, Forschungszentrum Jülich, Germany

Presentations of project output by work package and task leaders

10:15 – 10:45 **A catalogue of personalized medicine reference data**
 Niklas Blomberg et al., EMBL-EBI ELIXIR, United Kingdom

10:45 – 11:00 **Innovative data governance for collaborative research projects: A new harmonized data access agreement for controlled access data.**
 Stephan Beck, University College London, United Kingdom

11:00 – 12:00 **The legal and ethical framework necessary to develop lawful and ethical data integration in a fair and transparent way, respecting patients' rights.**
 Mette Hartlev, University of Copenhagen, Denmark
 Miranda Mourby, University of Oxford, United Kingdom
 Eugenijus Gefenas, Vilnius University, Lithuania

12:00 – 12:30 **Virtual coffee break**

12:30 – 13:30 **Development of community-based guidelines and normative documents: Recommendations and requirements for predictive computational models in personalised medicine**
 Lars Küpfer, RWTH Aachen University, Germany
 Catherine B. Collin University of Copenhagen, Denmark
 Martin Golebiewski, HITS gGmbH, Germany

13:30 – 14:15 **Moderated discussion: Q&A session to EU-STANDS4PM project output**
 Catherine B. Collin, University of Copenhagen, Denmark

ca. 14:00 Closure

19 May 2022 – EU-STANDS4PM annual meeting part II

Welcome

10:00 – 10:05 Introduction
Marc Kirschner, Forschungszentrum Jülich, Germany

Presentations by invited speakers

- 10:05 – 10:30 **-The SimCardioTest project and verification & validation of in-silico models -Standards in VPHi**
 Liesbet Geris (University of Liège, Belgium)
- Cancelled **EU4CHILD – A crowdsourced ecosystem to fight childhood cancer**
 Alberto Tozzi (Ospedale Pediatrico Bambino Gesù, Rome, Italy)
- 10:30 – 11:00 **Challenges for clinically driven research: Guidelines for implementing computational models in clinical integrated decision support systems**
 Tito Poli (University of Parma, Italy)
- 11:00 – 11:30 **The role of standards in EU funded collaborative research projects**
 Gergely Tardos (European Commission, DG Research & Innovation, Belgium)
- 11:30 – 11:45 **Coffee break**
- 11:45 – 12:15 **Computational modeling and simulation in medicine – challenges and needs for standardization**
 Regina Geierhofer (Siemens Healthineers, Technical Regulations & Standards, Secretary IEC TC62, SC62B und SC62C, Germany)
 Charlott Danielson (Fraunhofer Research Institution for Individualized and Cell-Based Medical Engineering (IMTE), Germany)
- 12:15 – 12:45 **ISO standards relevant for personalized medicine**
 Heike Moser (DIN, Germany)
 Martin Golebiewski (HITS gGmbH, Germany)
- 12:45 – 13:15 **Moderated discussion: Implementation strategies for the standard documents developed by EU-STANDS4PM**
 Martin Golebiewski (HITS gGmbH, Germany)
- ca. 13:15 Closure

ACKNOWLEDGEMENTS

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The EU-STANDS4PM annual meeting is part of the EU-STANDS4PM work package 5 – “Management and Coordination”.

CONTACT

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