

SimCardioTest Workshop on Standardisation.

agenda

**At Inria, Sophia Antipolis, France
and online event
28-29 October 2021**

**Organised by Maxime Sermesant & Michèle
Barbier, Inria; Hermenegild Arevalo, Simula;
Alessia Baretta & Fianne Sips, InSilicoTrials**

This aim of this workshop is to exchange on the development, adoption and application of technical standards within SimCardioTest for the following aspects of in-silico trials: *in-silico model *personalisation from clinical data *simulation inputs/outputs *different components of the simulation workflows *required interfaces *interoperability of the different modelling softwares.

[Registration here - WK open only to SimCardioTest members](#)

Arrivals on 27 October: meet for a drink/diner

Day 1 - 28 October

9h-9h30 - Welcome note and coffee: Maxime Sermesant, Inria

9h30-10h - Plenary lecture: David Nickerson, Auckland Bioengineering Institute, New Zealand

10h - 12h30 - SimCardioTest presentation & overview

- Introduction & SimCardioTest Overview: Maxime Sermesant, Inria
- WP1-WP3 description: WP leaders 10 min. each

Coffee

- WP4-WP7 description 10 min. each
- Management: Michele Barbier, Inria



12h30 Lunch at Inria

14h - 14h30 - SimCardioTest standardised approach to in-silico testing

- Standardisation within SimCardioTest: Hermenegild Arevalo, Simula
- Cybersecurity & management of data online: Andrea Pasini, InSilicoTrials



SimCardioTest - Simulation of Cardiac Devices & Drugs for in-silico Testing and Certification
EU Horizon 2020 Research & Innovation Program - Digital transformation in Health and Care

Inria



**SIM
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on Standardisation.

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Day 1 - 28 October

14h30-17h30 - Hands-on SimCardioTest for each Use Case

The goal of the hands on technical session is to identify any remaining barriers to having a working version of each Use Case by end of the year.

We will focus on implementation of each Use Case workflow including:

- Finalizing the data formats of the inputs/outputs for each software used in the workflow
- Ensuring the compatibility of the data formats used within each workflow and between the different Use Cases
- Identify sensitive/proprietary data that will require enhanced security protocol
- Determine computational resources that will be needed for each Use Case (and which computational resources/clusters will be used and the need for cross-cluster communication)
- How to implement the workflow on the In Silico Trial platform
- Design user interface



17h30-18h- Wrap up Conclusions, identification of needs

19h30 SimCardioTest diner

Day 2 - 29 October

Parallel sessions

- **9h-11h** - Hands-on (to continue)
- **9h-10h** - Discussion Deliverables WP2/WP3/WP4 on standardised models
- **10h-13h** - **SimCardioTest Executive Committee meeting** (WP leaders)
- **11h-13h** - *Lectures SimCardioTest - Early Career Professionals TBC*

13h - end of the workshop

Rooms available for those who wish to organise meetings/discussion

**How to get to the Inria
Sophia Antipolis -
Méditerranée center?**



Inria Sophia Antipolis Méditerranée
2004 Route des Lucioles,
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www.simcardiotest.eu