

### In Silico Application (ISA) Working Group



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[Shiny Martis](#)

Senior Regulatory  
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The *In silico* Application working group at AAD will weigh up on the recent developments in *in silico* technology applications in health-tech sector. *In silico* methodologies, using computational models and simulations, are transforming health technology development by enabling rapid hypothesis testing, cost-effective predictions, and faster innovation.



Given the novelty of these tasks considerable number of hurdles can't be faced during application of *in silico* methodologies

Convincing regulatory bodies of their reliability requires robust evidence. Bridging gaps between computational scientists, domain experts, and clinicians is crucial for successful product development. Facilitating learning and optimizing from peers' experiences will be the main objective for IST WG during AAD round table. During AAD the panelists will share their experience with *in silico* application and highlight the path overcoming common roadblocks, fostering community support among all the alliance members.

### Policy Development Working Group



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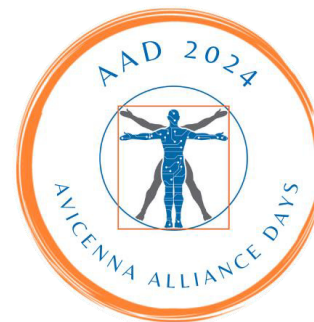
[Martha De Cunha](#)

Director Regulatory Affairs  
Digital Health,  
Edwards Lifesciences

The Policy Development Working Group session at Avicenna Day 2024 will advance European policy for adopting Computational Modeling and Simulation (CM&S) and AI. Esteemed speakers will share contributions on promoting *in silico* evidence in regulatory pathways through collaboration and advocacy.



Key topics include the role of *in silico* evidence in evaluating orphan medical devices and the application of CM&S in developing these devices, refining preclinical tests, and optimizing clinical trials. The integration of AI in CM&S will also be discussed, highlighting its impact on pharmaceutical R&D and medical device design. This session provides insights for professionals on policy and *in silico* technologies to enhance healthcare outcomes. Engage with thought leaders to promote innovative digital solutions in medicine.



### International Affairs Working Group



Master of Ceremony  
[Marc Horner](#)  
Distinguished Engineer,  
ANSYS, Inc.



Master of Ceremony  
[Alejandro Frangi](#)  
Bicentennial Turing Chair in  
Computational Medicine,  
University of Manchester

The International Affairs Working Group session will discuss the global regarding the acceptance of in silico evidence in regulatory submissions. This will include considerations for both knowledge-based and data-based models. In addition to reviewing the current state of affairs, the panel will discuss the various efforts and initiatives aimed at advancing acceptance, e.g. one-on-one meetings with competent



authorities, publishing position papers, participating in global and regional initiatives, and developing international standards. The information shared in this session will help professionals across the total product life cycle of devices and drugs understand how to incorporate in silico tools into their current regulatory strategies and expectations for the future.

### Executive Roundtable



Moderator  
[Thierry Marchal](#)  
Program Director for  
Healthcare Solution,  
ANSYS, Inc.

This Executive Round Table brings together decision-makers from the leading software, medical device, and pharmaceutical industries, as well as startups executives, to examine the current adoption of in silico methods, the barriers to broader deployment, and tactics and strategies to lower these entry barriers for accelerating medical innovation for patients. We will hear from these executives that in silico methods are indeed a cornerstone of tomorrow's healthcare, and learn what



tactics they are developing to join forces toward safer, better and more affordable healthcare.