

THE FUTURE OF SAFE INNOVATION

Animal-free prediction of long-term health hazard

Public event of the *nanoPASS* final meeting

Wednesday, 2 December 2026 • 15:00–18:00

Followed by networking until 21:00

City Hotel Maribor

Ulica Kneza Koclja 22, 2000 Maribor, Slovenia

New materials are reaching the market faster than safety testing can follow. Assessing long-term health hazards still relies largely on animal studies that take years, require hundreds of animals and can cost up to €1 million per material. Regulators, industry and citizens share an interest in faster, mechanism-based alternatives that protect health at least as well.

Join us for the presentation of one of the first approaches of its kind: InFiniteLungDT®, an in-vitro-learned digital twin that predicts the long-term evolution of inhalation-related lung inflammation from just 24 hours of cell monitoring. The technology was developed by Infinite Biotech, a deep-tech spin-out of the Jožef Stefan Institute (Slovenia). Its predictive capacity was pre-validated within the EU project *nanoPASS* against in vivo data from more than 4,400 exposures.

Afterwards, leading experts from the legal and regulatory framework, public health, research and industry will discuss what animal-free safety assessment will look like, how we can get there as fast as possible, what is already possible within the current regulatory framework, and how new approach methods can enter routine decision-making — accelerating innovation while maintaining a high level of protection for workers, consumers and the environment.

Registration: <https://portal.ijs.si/nextcloud/apps/forms/EmJtrSZrkJr8AKoY>

Free of charge • Places are limited • Please **register by 4 November 2026**

Language of the event: English

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Organised within the final meeting of the EU project *nanoPASS* and co-hosted by Infinite Biotech.

Programme

- 14:30** **Registration and welcome coffee**
Exhibition of the InFinite technology
- 15:00** **Opening**
Sean Kelly · NIA, Belgium
Iztok Urbančič · IJS, nanoPASS coordinator
- 15:05** **Predicting long-term health hazard in days instead of years**
Presentation of the InFinite technology, followed by Q&A
Janez Štrancar · Infinite Biotech, Slovenia
- 16:00** **The future of animal-free safety testing:
Shared interests of developers, industry and regulators**
Discussion moderated by
Sean Kelly · NIA, Belgium

with expert panellists:

Camelia Constantin · ECHA, EU
Andrea Haase · BfR, Germany · *to be confirmed*
Sabina Halappanavar · Health Canada
Lan Ma-Hock · BASF, Germany · *to be confirmed*
Ulla Vogel · NRCWE, Denmark
Janez Štrancar · Infinite Biotech, Slovenia

Questions and comments from the audience and press are welcome throughout the discussion.
- 18:00** **Networking reception**
Informal discussions until 21:00