nanoPASS

INVITATION

Funded by the European Union

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: Online registration form

Scan to register

Free of charge · Places are limited · Please **register by 15 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.

INFINITE

Jožef Stefan Institute

NIA Nanotechnology Industries Association

nanoPASS

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2 DECEMBER 2026 / CITY HOTEL MARIBOR

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:

Andrea Haase · BfR, Germany

Sabina Halappanavar · Health Canada

Lan Ma-Hock · BASF, Germany

Ulla Vogel · NRCWE, Denmark

Kai Paul · Blue Frog Scientific, Scotland, UK

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

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