

# AQUATIC MICROBIOMES IN A POLLUTED WORLD

symposium on plastics and ecosystem interactions

October 2nd 2025

Rega Institute

9:30 a.m. to 17 p.m.

Aula o6.B204, Herestraat 49, 3000 Leuven

## **Prof. Dr. Justyna Wolinska**

9:30-10:30

The influence of nanoplastic pollution on plankton diseases, and its implications for aquatic ecosystem functioning

## **Coffee break**

10:30-11:00

## **Broos Van de Moortel**

11:00-11:30

Pollutant-degrading pathways in the gut microbiome of a stranded killer whale

## **Dr. Karen Bisschop**

11:30-12:00

Microbiome-mediated stress responses in *Daphnia magna*: Insights from experimental transplants

## **Lisa De Vriendt**

12:00-12:30

Towards Sustainable Plastics: Synthesis and Characterization Post degradation

## **PhD Defense Anna Krzynowek**

15:00

From microbiome shifts to plastizyme discovery: integrating in-situ, in-vitro and in-silico approaches to study microplastic pollution

