

# RUDI BALLING GOODBYE LECTURE SERIES



## Prof. Edith Heard

**Lecture title: "Launching a new era of biology to understand « life in context »."**



**14 October**

16:45 – 17:45

Hybrid – Belval

**Abstract:** Most molecular research has entailed the study of organisms in the laboratory. However, life does not happen in isolation - organisms including humans interact with each other, are challenged by pathogens and respond to changing physio-chemical parameters. Now, technologies are being developed to collect measurements of all ecosystem components at unprecedented volumes. Advances in compute and AI enable the rigorous analysis and creative integration of these data. With the world also facing an urgent need to understand and revolutionise human and planetary health, a new era of molecular biology encompassing life in its varying natural contexts is needed. As part of EMBL's next scientific Programme, Molecules to Ecosystems 2022-2026, scientists plan to implement and deliver large-scale collaborative projects, promote joint standards and open science, and inform and impact international research and policymaking.

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