

THE CONVERGENCE OF SCIENCE AND TECHNOLOGY  
EXPLORING ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING IN BIOCHEMISTRY,  
BIOLOGY, AND BIOPHYSICS

## Draft Program

9:00-9:30 arrival with coffee & tea

9:30-9:35 welcome

9:35-10:05 Presentation Westenbrink prize 2024

10:05- 11:00 Keynote lecture 1

**Sanne Abeln (UU)**

"Learning to understand life: how to gain knowledge on complex living systems"

11:00-12:30 intro to AI and ML

**Peter Bloem (VU)**

"Basic principles of AI and ML"

**Maurice van Keulen (UT)**

Topic: sparsification in ML techniques

12:30- 13:20 Lunch with posters

13:20-14:35 networks and bioinformatics

**Aalt Jan van Dijk (WUR)**

"Learning to understand life: how to gain knowledge on complex living systems"

**Doina Bucur (UT)**

Topic: network generation and AI

14:35- 14:50 break

14:50- 15:35 AI for chemistry

**Francesca Grisoni (TUE)**

"Harnessing machine learning for drug discovery"

15:35- 16:30 Keynote lecture 2

**Oliver Lieleg (TUM)**

"Classifying complex biological surfaces with ML methods"

16:30-16:45 closing remarks

16:45- 17:30 drinks & bites

