

Founded in 2012 as an informal network, **BIOMINA (biomedical informatics research network Antwerp)** united bioinformatics expertise across University of Antwerp's life science and computer science labs.

In 2022, BIOMINA evolved into a **UAntwerp Core Facility**, now delivering professional bioinformatics services. We leverage expertise and infrastructure, integrating research groups from medical, biological, and computer sciences, and collaborating with relevant bioinformatics and computational core facilities.

What is BIOMINA?

Why is BIOMINA relevant?



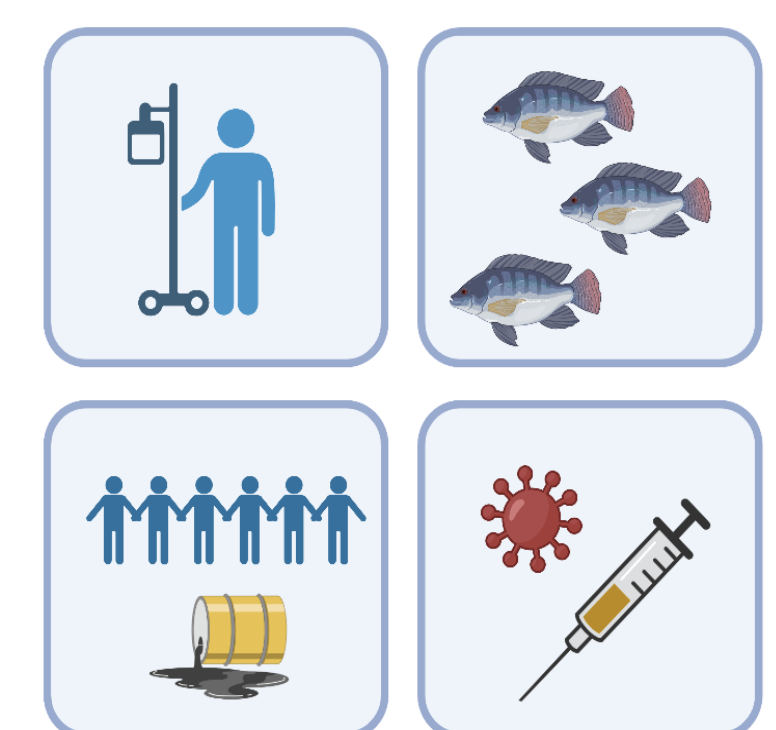
Data sets become **larger** and **more complex**.

BIOINFORMATICS

software
databases
algorithms
artificial intelligence

Specialized **data processing and analysis techniques** are increasingly needed.

INSIGHTS



Data-driven insights are transforming life sciences.

COMMUNITY

... development

Electronic:

- Slack, website, mailings, ...

Physical:

- Biomina Lunch Talks
- Biomina Research Day
- Trainings
- Co-organization of events
- ...

... representation

In national (ELIXIR) and international (ISMB, ISCB) networks

MISSION



- Sustainable support
- Representation & advocacy
- Capacity building

CONSULT

Expert consultancy

Data knowhow:

- Sequencing
- Mass spectrometry
- Clinical phenotyping, ...

Computational expertise

- Omics processing
- Functional analysis & visualization
- Data mining
- Artificial intelligence, ...

Infrastructure

- HPC (CalcUA)

How do we work?

PORTAL

(in development)

Portfolio of:

- FAIR data processing pipelines
- training material
- support

Who is BIOMINA?

Consortium composition



Kris Laukens
INF



Hannes Svoldal
BIO

FBD



Guy Van Camp
BMW

FGGW



Ligia Mateiu
MEDGEN



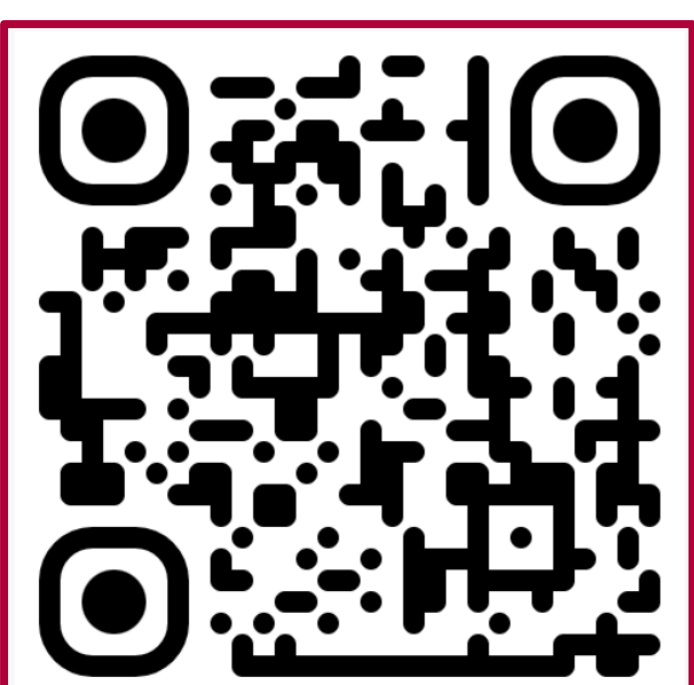
Steven Van Laere
CORE

Management

FWET



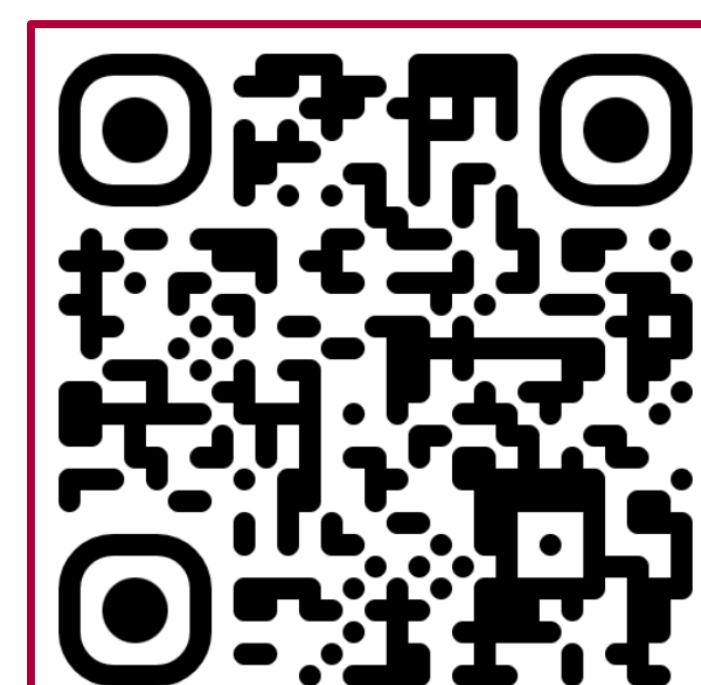
Eline Turcksin
INF



EVENTS



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BIOMINA
website