

Nästa talare

Veronique Chotteau

Associate professor, Royal Institute of Technology

**Enabling bioproduction for Cell and Gene
Therapies in Centres AdBIOPRO and GeneNova**



Enabling bioproduction for Cell and Gene Therapies in Centres AdBIOPRO and GENENOVA

Assoc. Prof. Veronique Chotteau, Director of AdBIOPRO, KTH

Prof. Johan Rockberg, Director of GeneNova, KTH



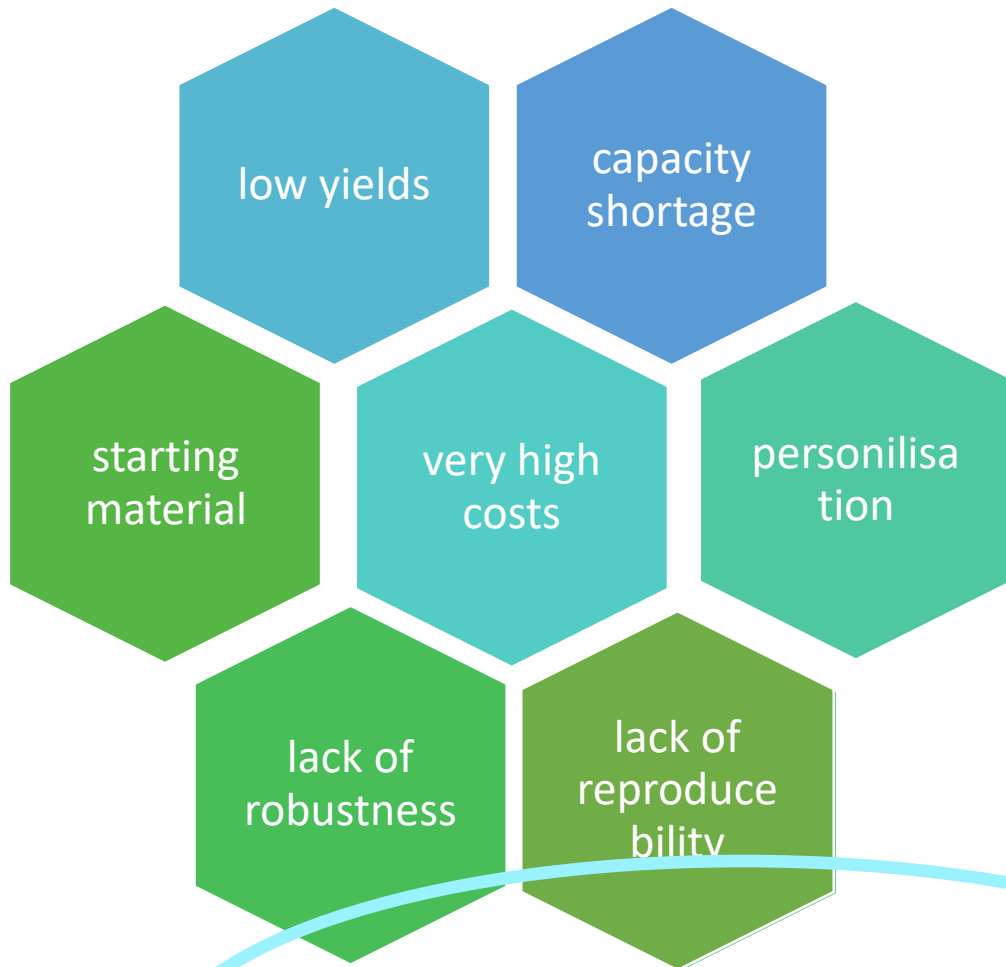
Bioproduction for cell and gene therapies

- Bottleneck of manufacturing; yields, very high costs
- Need of enabling technologies
- Lack of reproducibility, robustness
 - Variation of starting material
- Personalisation
- Targeted delivery
- ...



source: cellculturedish.com / Lonza

Bioproduction for cell and gene therapies



AdBIOPRO

new technologies

automation

targeting

flexibility/
personalisation

monitoring

bioprocessing

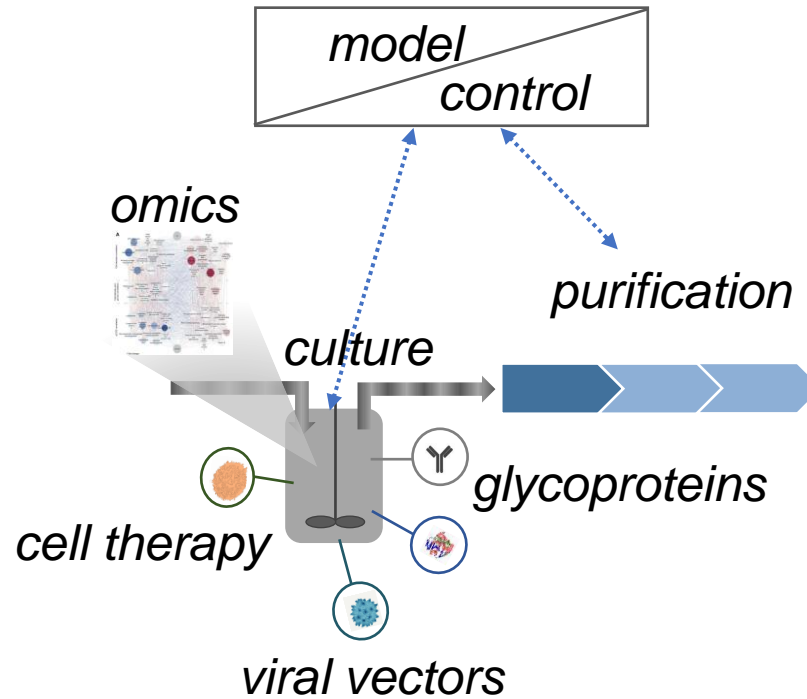
efficacy

GENENOVA



AdBIOPRO

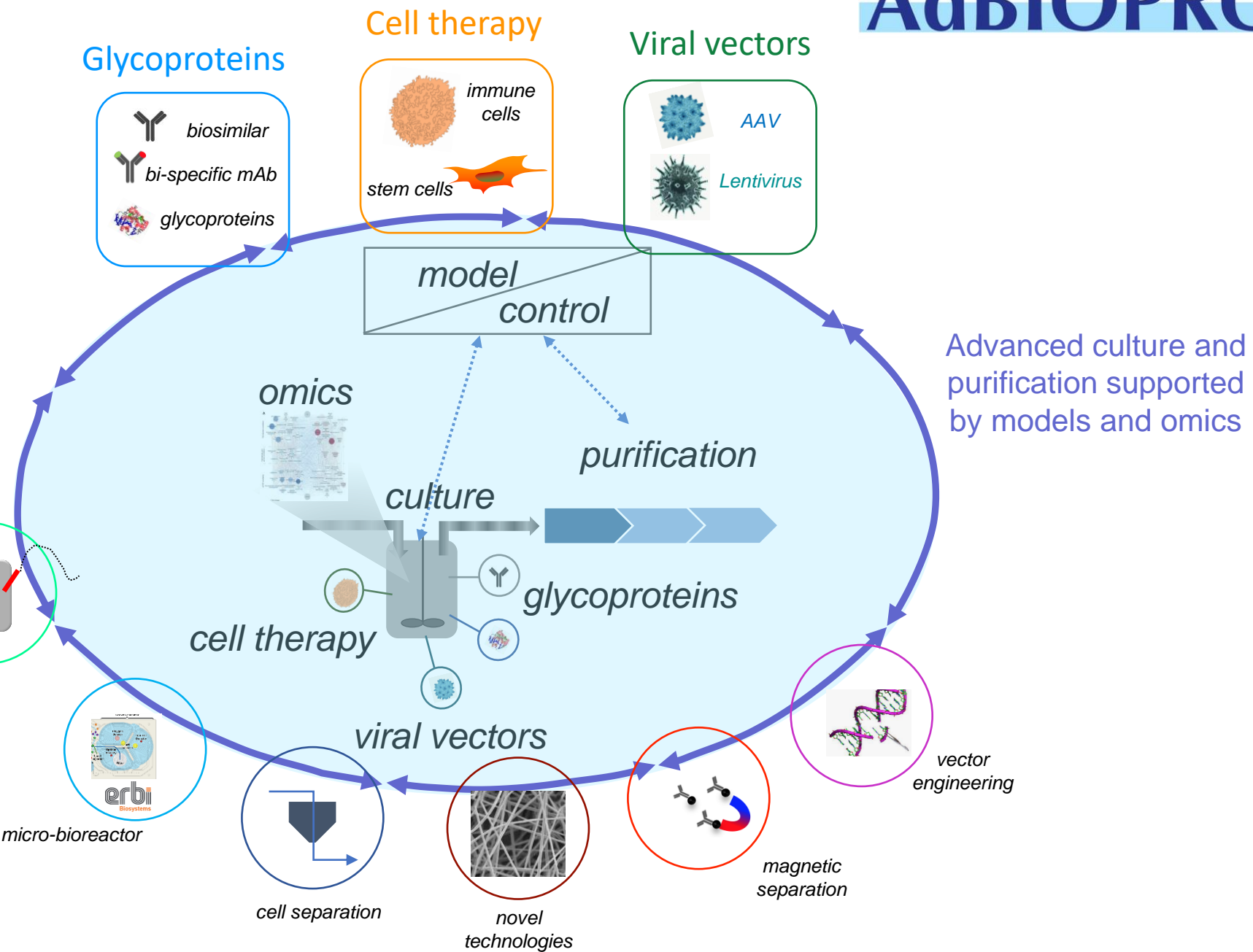
Centre for Advanced BioProduction by Continuous Processing
START second period Nov 1, 2022

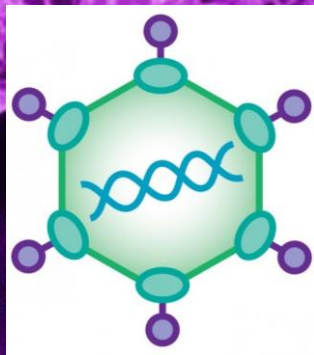


Advanced culture and purification supported by models and omics



AdBIOPRO





Vectors



Tailored cells



Continuous bioprocess



Gentle separators



Affinity purification



Formulation



QC
AI/EM

In vivo



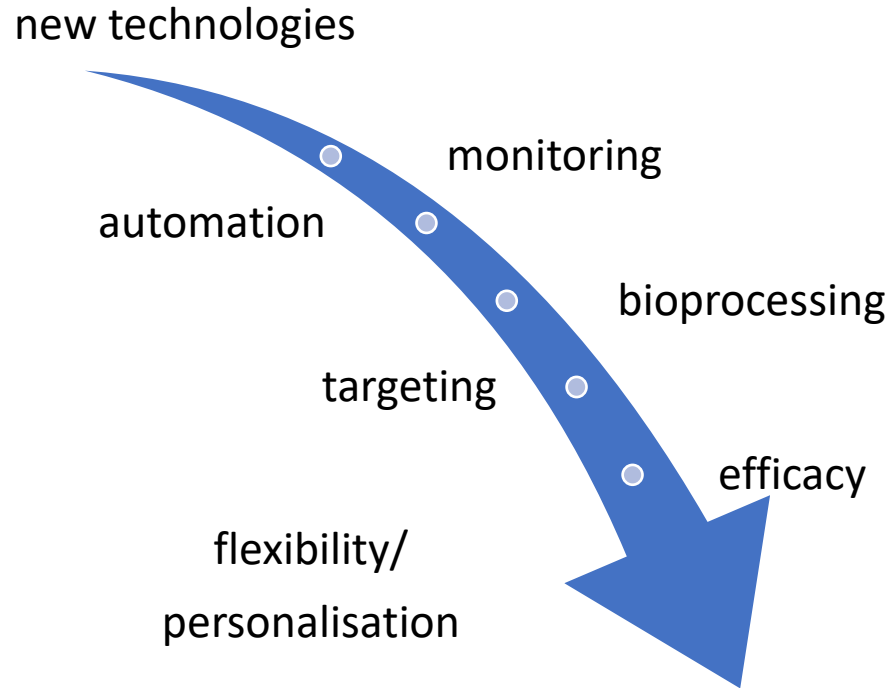
GENENOVA

For a safer, more efficacious and accessible AAV gene therapy

DNA



Bioproduction for cell and gene therapies



Glycoproteins

- biosimilar
- bi-specific mAb
- glycoproteins

AdBIOPRO

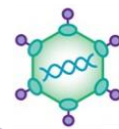
Cell
therapy

- immune cells
- stem cells

- AAV
- Lentivirus

Viral
vectors

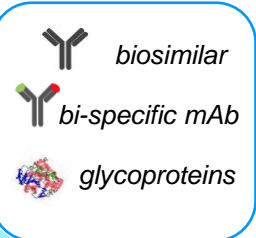
GENENOVA



Acknowledgments

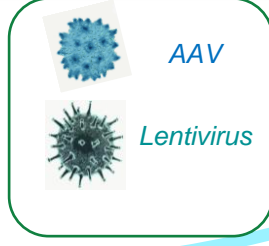
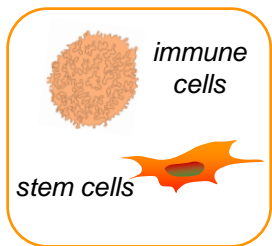


Glycoproteins



AdBIOPRO

Cell therapy



Viral vectors

GENENOVA

