

- Lasse Fredriksen
- Postdoktor på IKBM

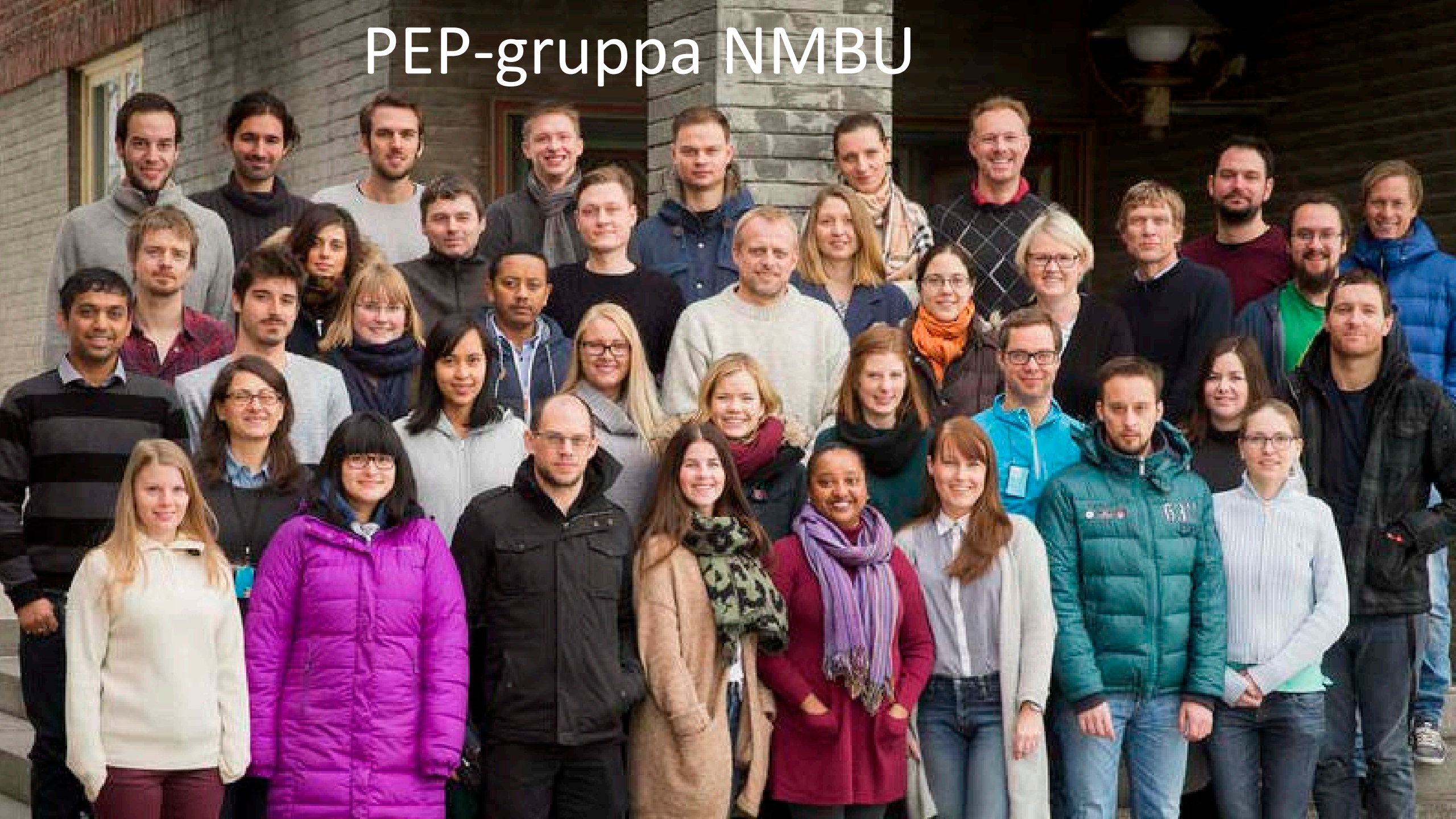
Min bakgrunn

- PhD: «Vaksineproduksjon i melkesyrebakterier», UMB, 2012
- Formidler på Inspiria science center 2012-2015
- Postdoktor på NMBU siden april 2015





PEP-gruppa NMBU




PEP
3.8.21
DO NOT POUR WASTE
ACID IN THE SINK.
(this should be obvious)
chitin & cellulose

NorZymeD

Enzymutvikling for norsk biomasse: Utnytte norsk biodiversitet for å gripe muligheter i bioøkonomien

Budsjett: 55 mill. NOK

Norwegian University of Life Sciences

uniResearch

Borregaard

SINTEF

The Research Council of Norway

Industrial Biotech Network-Norway

UiT THE ARCTIC UNIVERSITY OF NORWAY

BIOMEGA



Sentrale «Work packages» i NorZymeD

- WP1: Finne nye enzymer
- WP2: Enzymproduksjon
- WP3: Enzymkarakterisering
- WP4: Enzymoptimalisering
- WP5: Industriell anvendelse av enzymer for nedbrytning av lignocellulose
- WP6: Industriell anvendelse av enzymer for nedbrytning av marine biprodukter

6000 produkter kommer fra olje















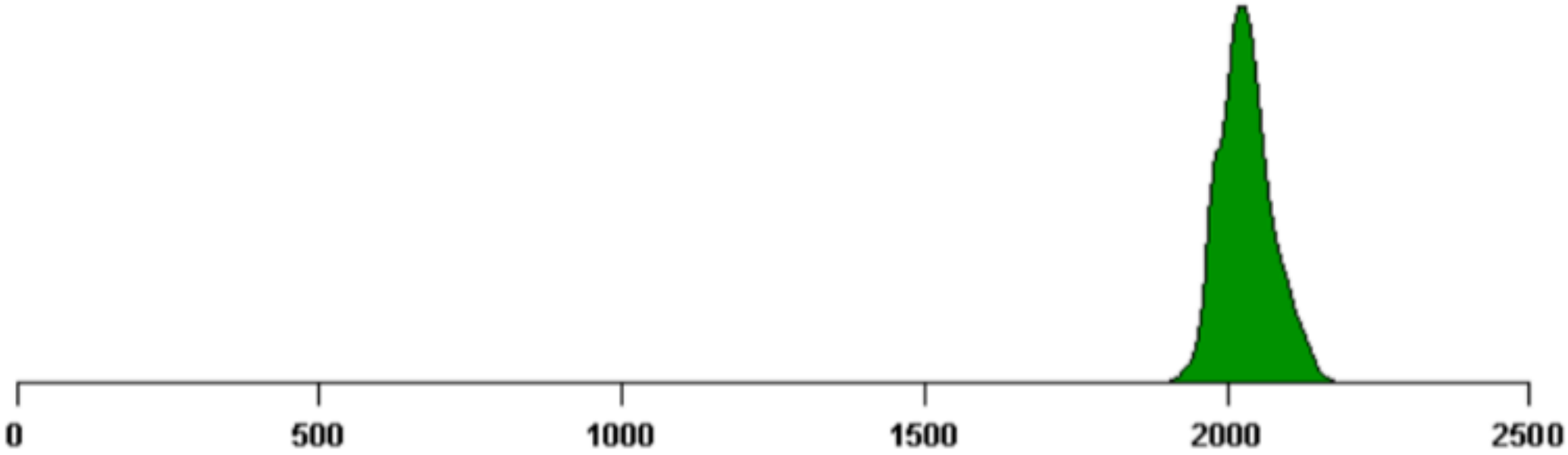








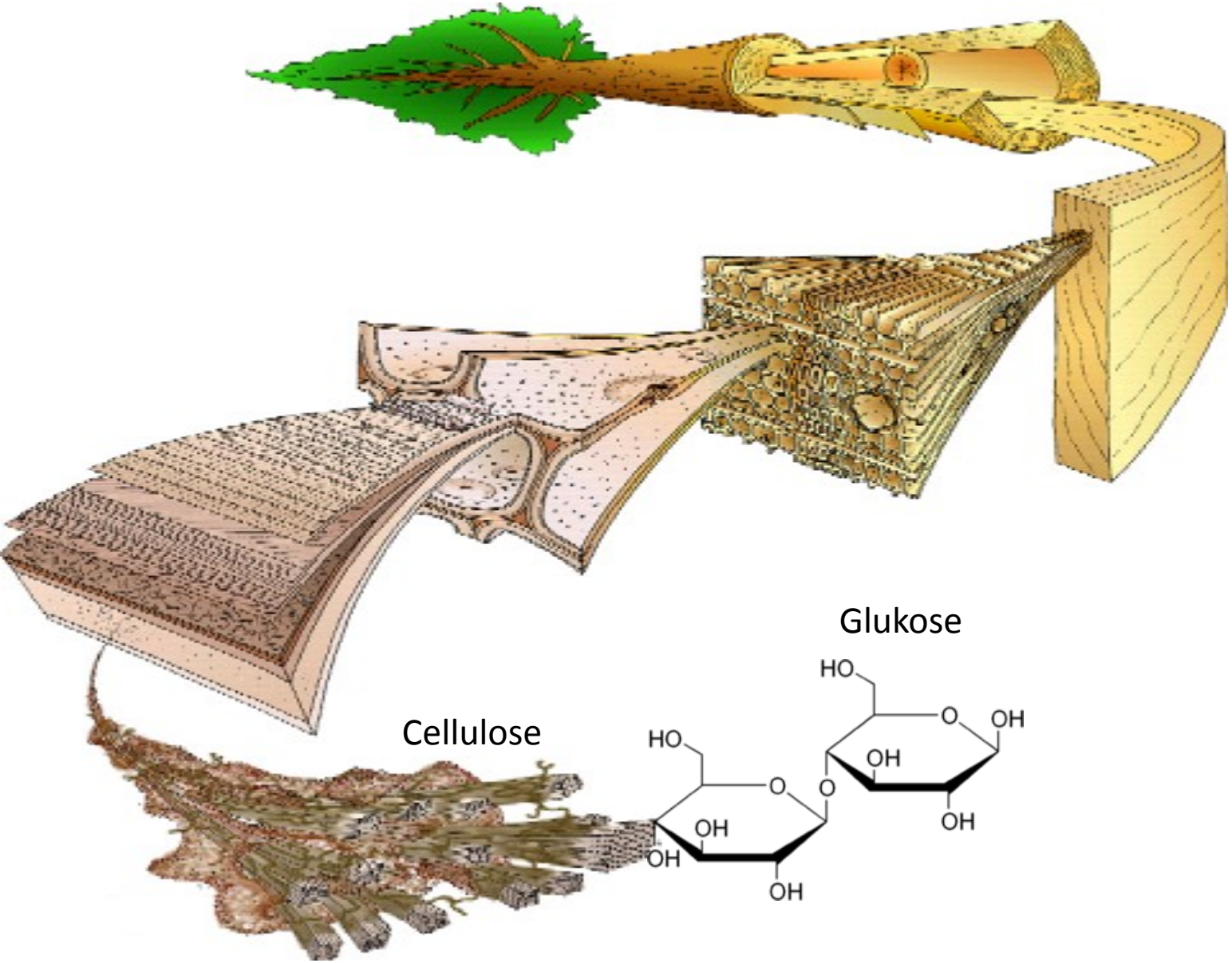
Oljealderen



6000 produkter kommer fra…?



Alt som kan lages av olje kan lages av trær



Cellulose

Glukose

Samarbeid med Borregaard

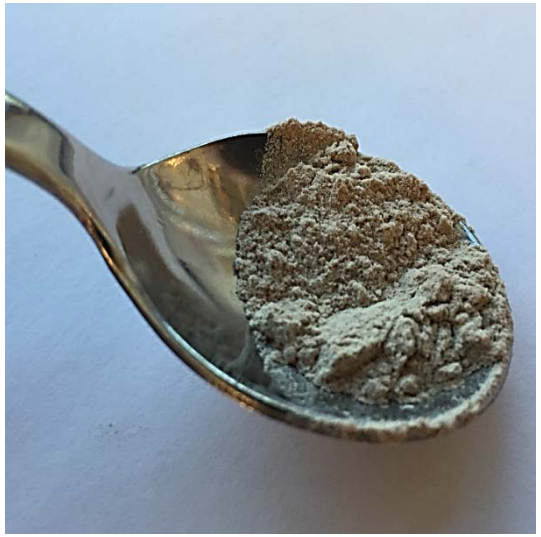
Gran



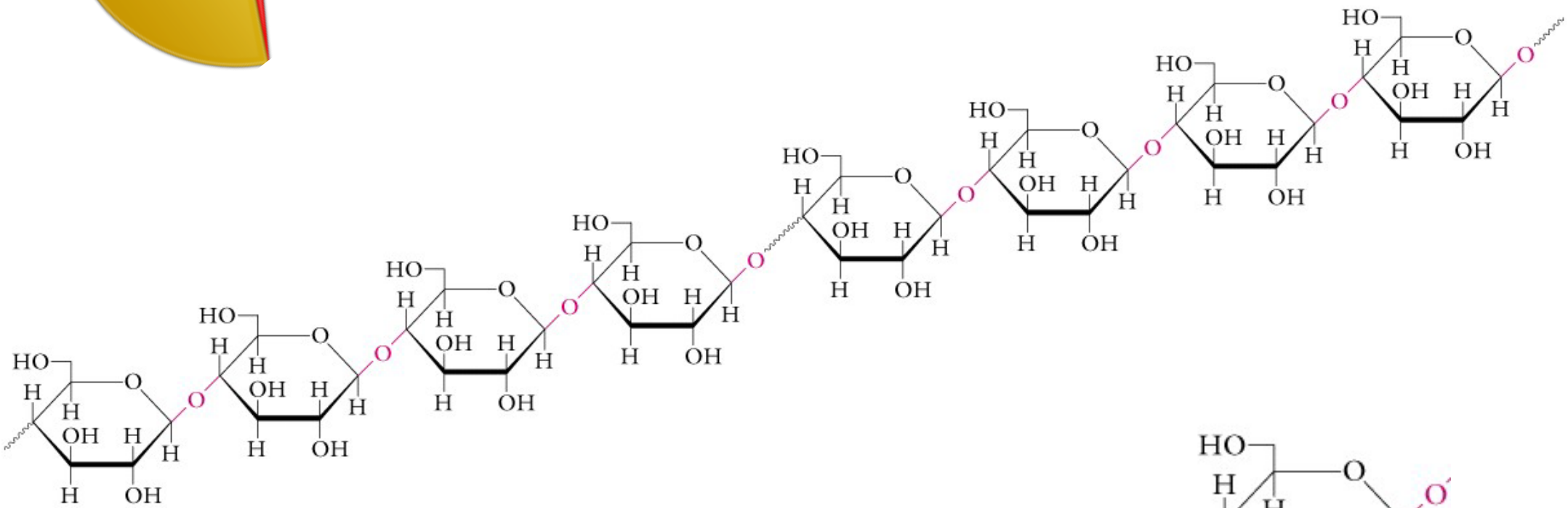
Bioraffineringsanlegg



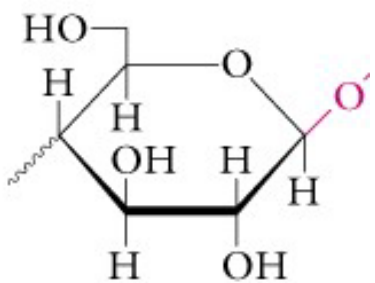
Cellulose



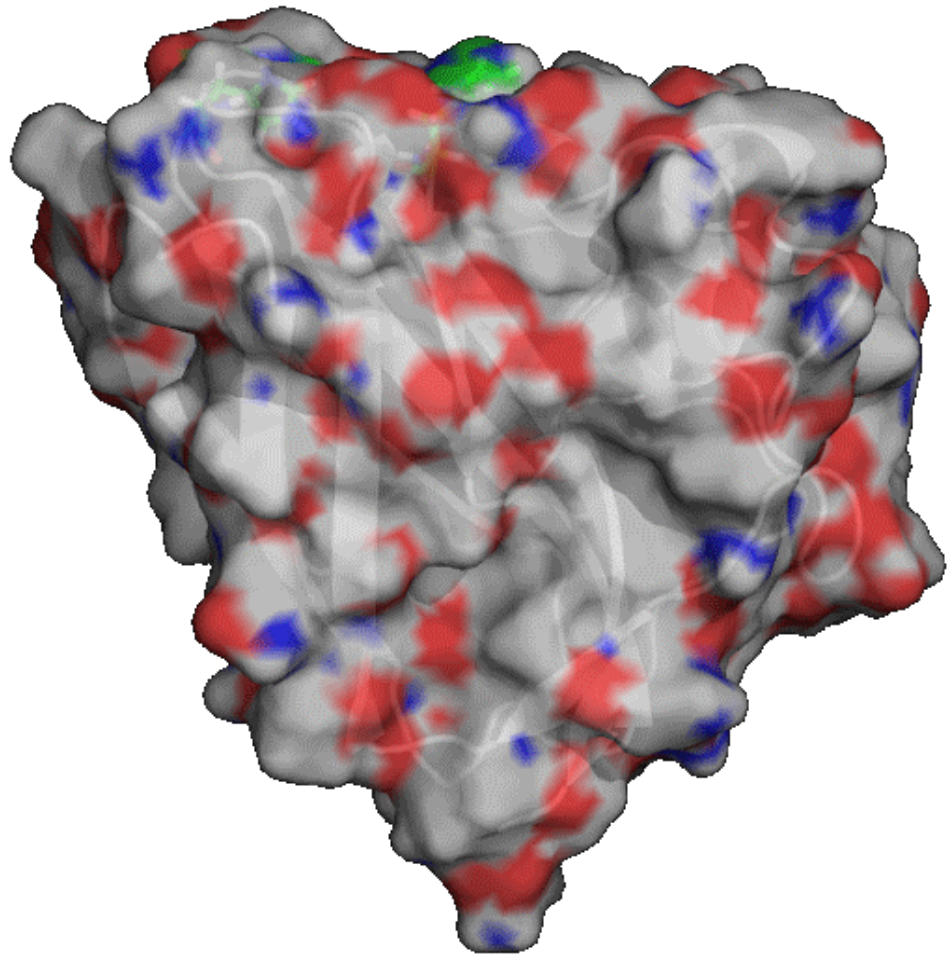




Cellulose



Glukose

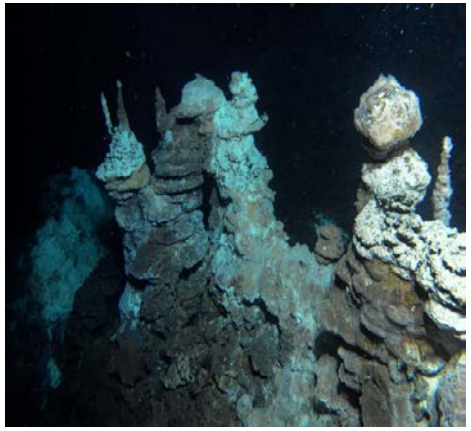


Enzymjakten

Reinsdyr



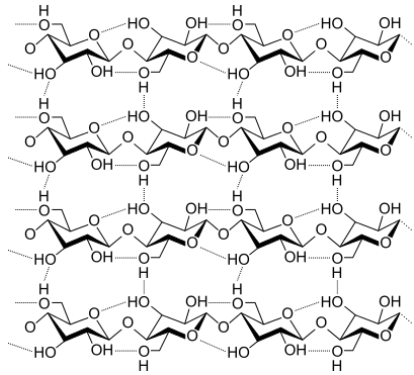
Havets bunn

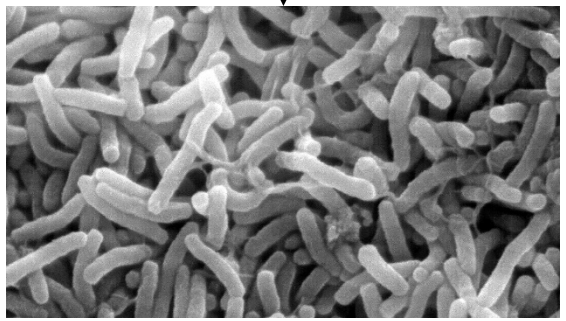


Pælemark



Cellulose

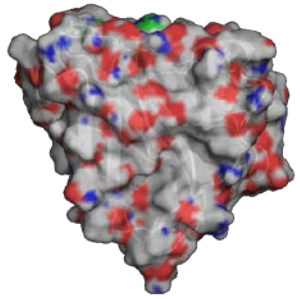




Bakteriesamfunn



Bioinformatikk



Enzym

Postdoktor ved NMBU

Bra

- Generelt veldig mye bra
- Godt faglig miljø
- Lite forstyrrende elementer

Utfordringer

- Utfordring med engelsk
- 4-årsregel
- Karrieren videre..

