

BIO-XL-MER

Biogenic, depolymerizable & degradable designed XL monomers and polymers

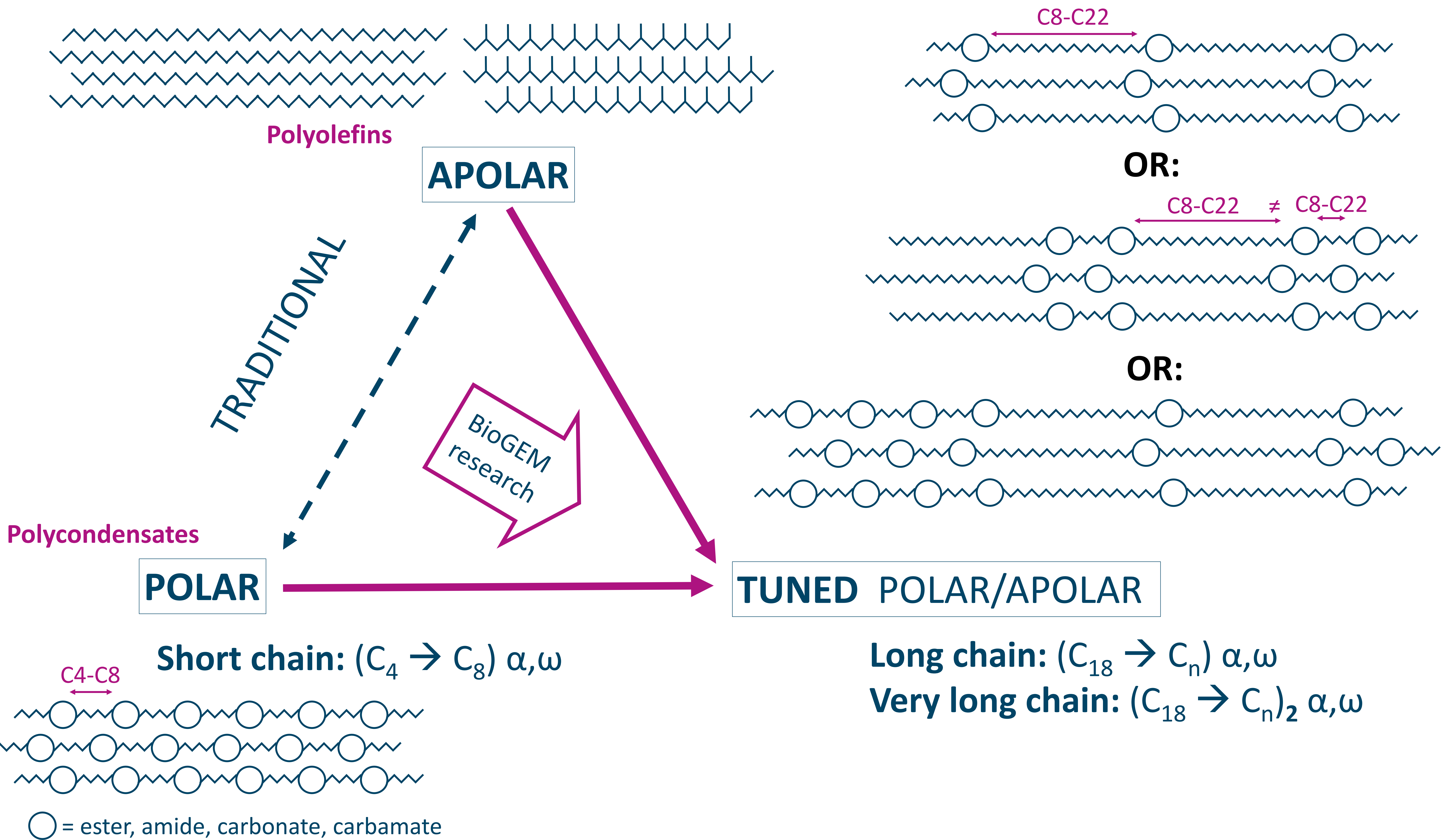
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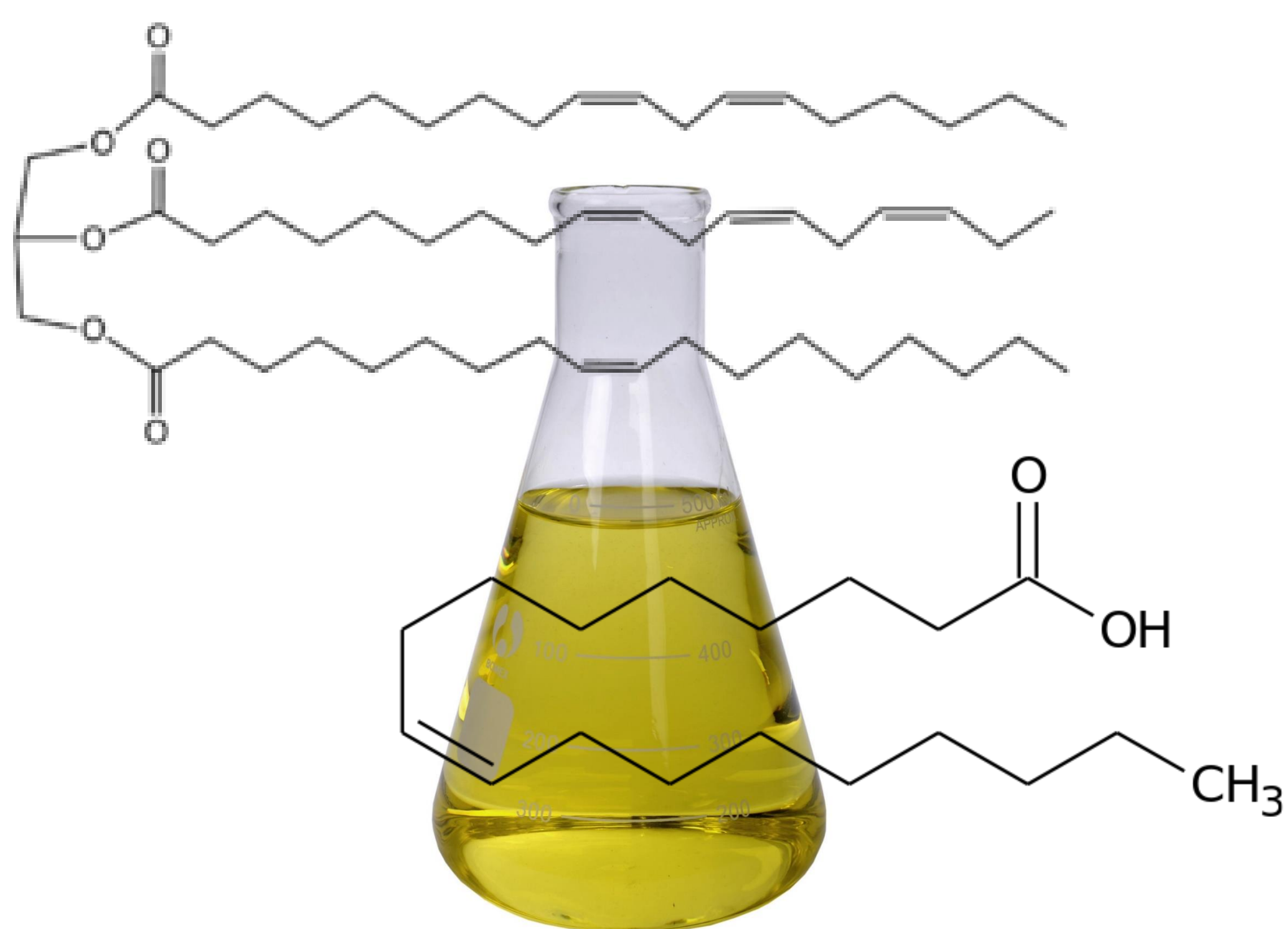
Abstract:

New α,ω bifunctional (very) long chain monomers by new ω -functionalization and chain extension, yielding polymers with hybrid and extended properties



HOW

- Raw material: **oleochemical**
- Process:
 1. ω -functionalization (proprietary)
 2. chain extension (proprietary)



- Crystallinity / amorphous
- Design of melting point
- Design RH sensitivity (mech. stability $f(RH)$)
- Design hydrophobicity
- Biodegradability
- Recovery of monomers as second life

ADVANTAGES

