

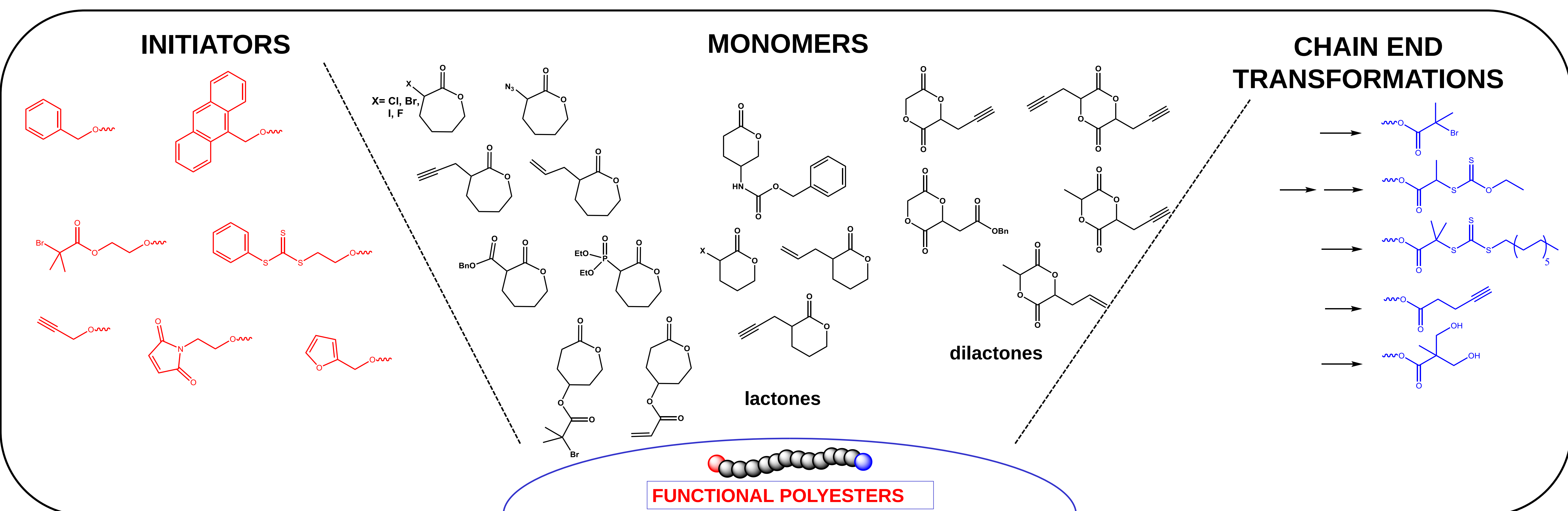
Ring-opening
polymerization



Macromolecular Engineering

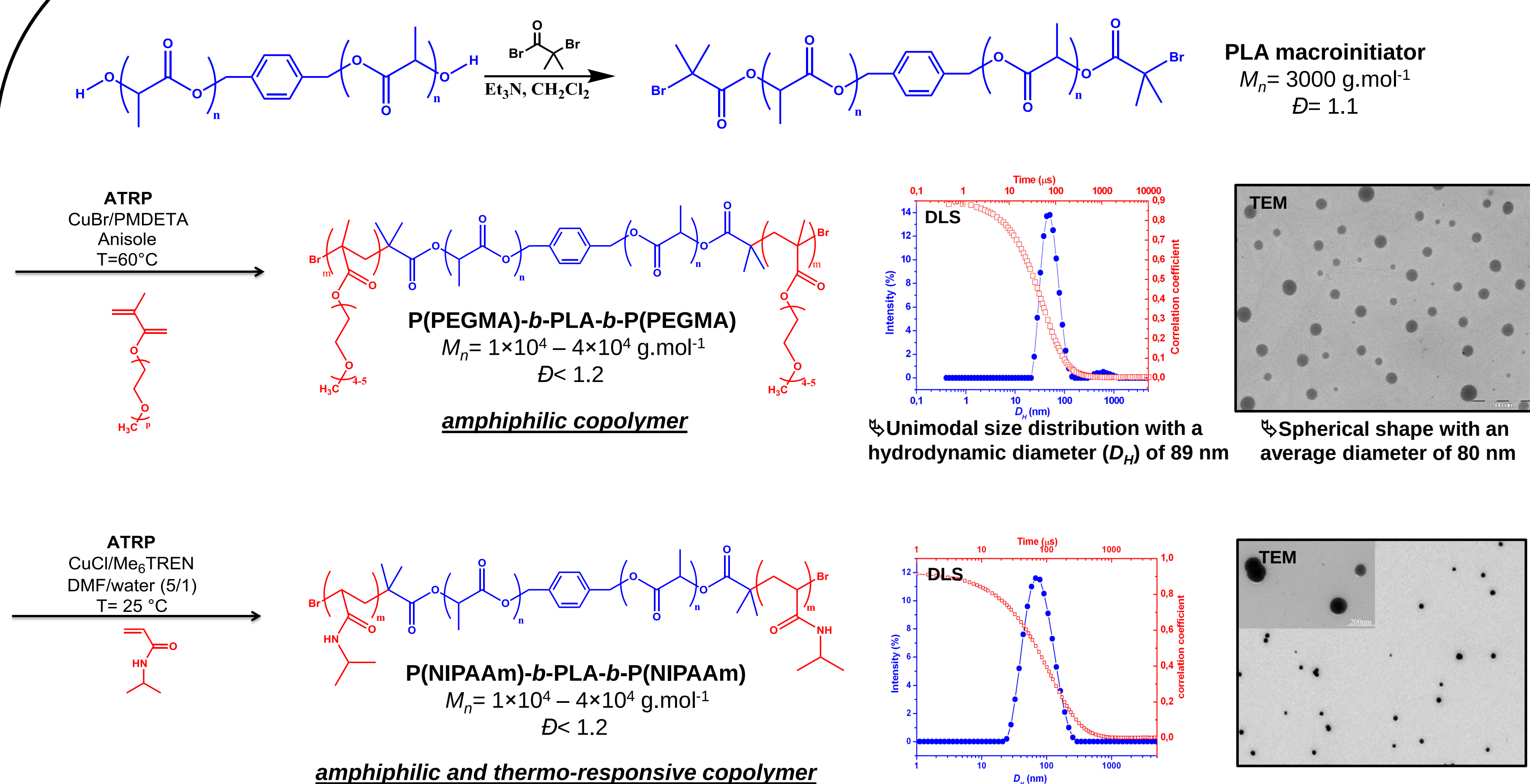
- Composition (homopolymer, block, gradient, ...)
- Topology (linear, star, graft, ...)
- Functionality (end-functional, side functional, telechelic, ...)

FUNCTIONAL POLYESTERS PREPARED BY ROP FROM FUNCTIONAL INITIATORS, MONOMERS, AND BY CHAIN END TRANSFORMATIONS

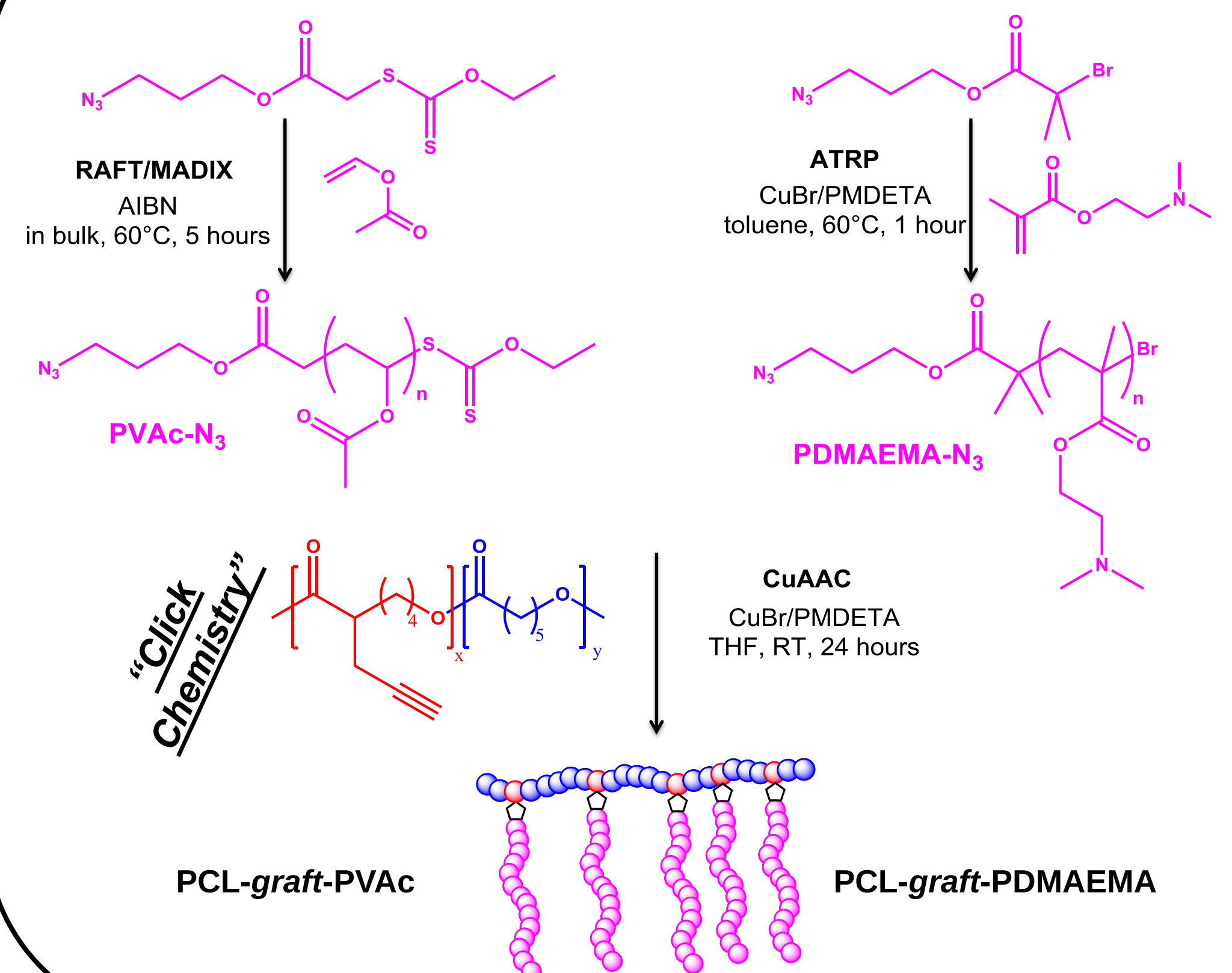


COMBINATION OF ROP WITH CRP (ATRP, RAFT)

Block copolymers



Graft copolymers

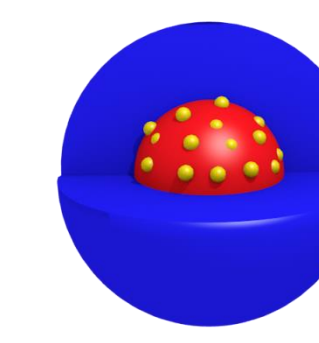


APPLICATIONS

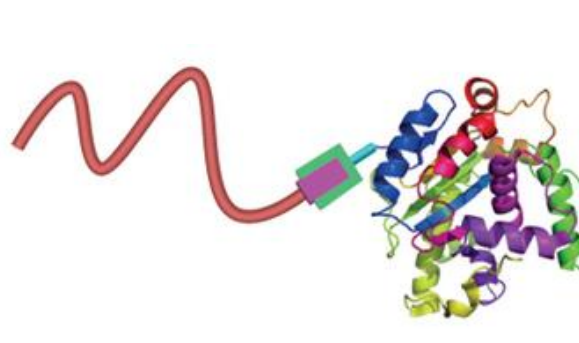
THERMOPLASTIC ELASTOMERS



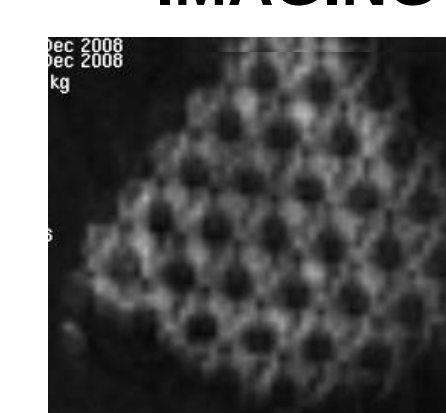
DRUG DELIVERY SYSTEMS



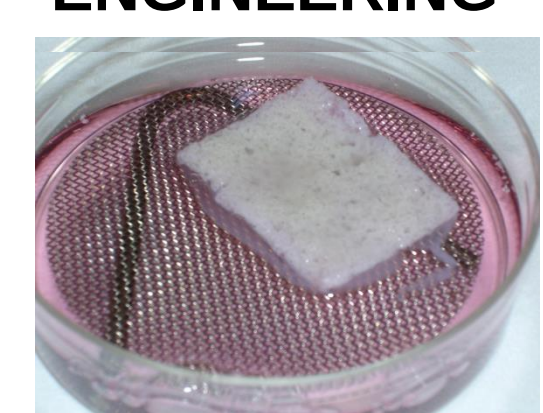
BIOCONJUGATE



BIOMEDICAL IMAGING



TISSUE ENGINEERING



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