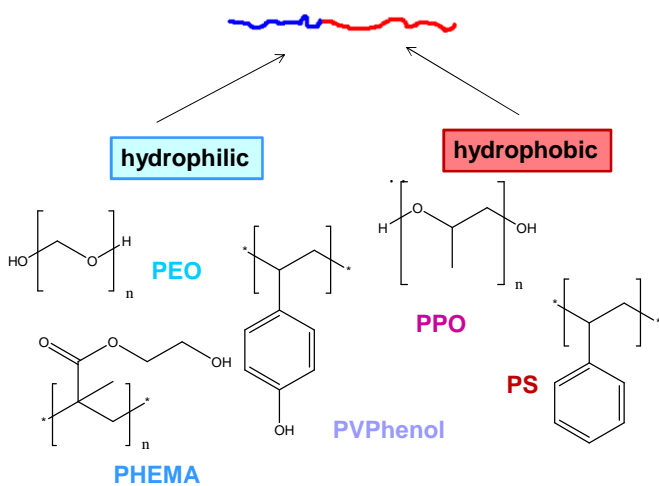


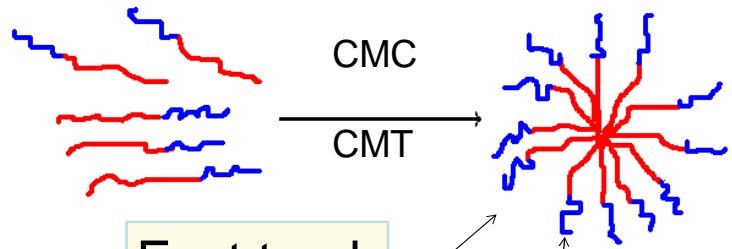


## Molecular carriers for radiolabelling

### Block copolymers for self assembly



Self assembly in H<sub>2</sub>O

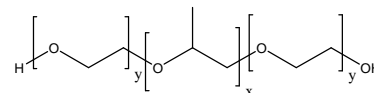


Fast track

Slow track

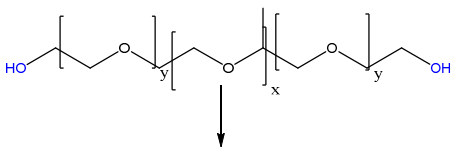
Conventional polymers e.g. Pluronic F127

novel block copolymers

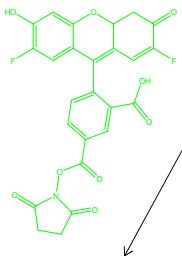


### Modifications of polymers

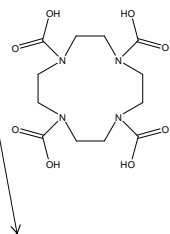
Pluronic F127



Polymer End-Group Modifications



PEO-PPO-PEO-Oregon Green 488



PEO-PPO-PEO-DOTA

x, y represents chain lengths of the PPO and PEO block respectively

Final deliverables

