

"Polymers and Biology: a constructive partnership"

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For chemists, it is quite easy to prepare amphiphilic polymers of defined composition and architecture, which can interact specifically with proteins or with cells and, consequently, can act as tools in biology. This concept will be illustrated by two examples under study in my research group: the stabilisation of therapeutic proteins by modified polyacrylates and the promotion of cell aggregation on films of phosphorylcholine-modified chitosans.