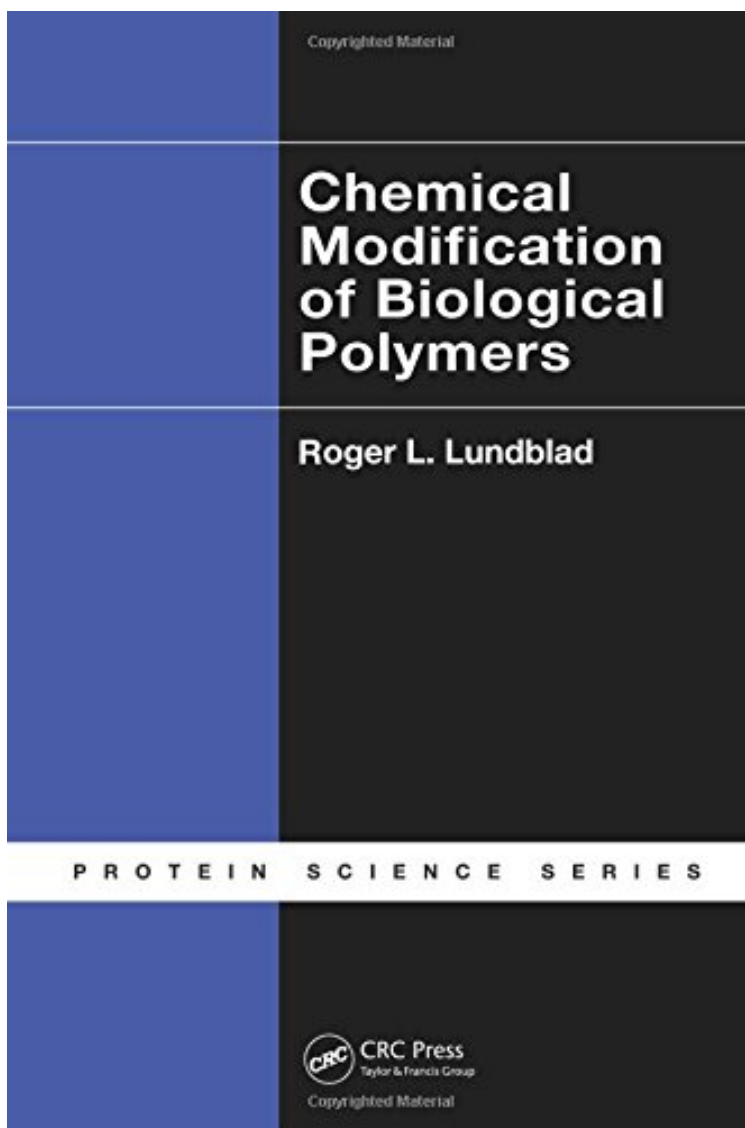


[Mobile book] Chemical Modification of Biological Polymers (Protein Science)

Chemical Modification of Biological Polymers (Protein Science)

Roger L. Lundblad

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143984898X426 pages | File size: 69.Mb

Roger L. Lundblad : Chemical Modification of Biological Polymers (Protein Science) before purchasing it in order to gage whether or not it would be worth my time, and all praised Chemical Modification of Biological Polymers (Protein Science):

Examining the chemical modification of biological polymers and the emerging applications of this technology,

Chemical Modification of Biological Polymers reflects the change in emphasis in this subsection of biotechnology from the study of protein structure and function toward applications in therapeutics and diagnostics. Highlights The basic organic chemistry of the modification proteins, nucleic acids, oligosaccharides, polysaccharides, and their applications New analytical technologies used to characterize the chemical modification of biological polymers Identification of in vivo, non-enzymatic chemical modification of biological polymers Specific chemical modifications to generate biopharmaceutical products This book covers the basics on the organic chemistry underlying the chemical modification of biopolymers, including updates on the use of various chemical reagents. It describes the current status of chemical modification of biological polymers and emerging applications of this technology in biotechnology. These technologies are important for the manufacture of conjugate proteins used in drug delivery, for the preparation of nucleic acid microarrays, and for the preparation of hydrogels and other materials used in tissue engineering.

About the Author Roger L. Lundblad is a native of San Francisco, California. He received his undergraduate education at Pacific Lutheran University and his PhD in biochemistry at the University of Washington. After postdoctoral work in the laboratories of Stanford Moore and William Stein at The Rockefeller University, he joined the faculty of the University of North Carolina at Chapel Hill. He joined the Hyland Division of Baxter Healthcare in 1990. Currently, Dr. Lundblad works as an independent consultant at Chapel Hill, North Carolina, and writes on biotechnological issues. He is also an adjunct professor of pathology at the University of North Carolina.