

7 Steps of Protein



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Webinar:

Strategies for successful crosslinking and bioconjugation applications



Speaker: Greg Hermanson
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Biography: Greg Hermanson is the Chief Technology Officer and principal at Aurora Microarray Solutions, Inc., and the President of Greg T. Hermanson, Inc., a bioscience consulting company. Greg has over three decades of experience in the development of life science research and diagnostic products, with particular expertise in protein chemistry, assay development, immobilization, and bioconjugation. He is well known as the author of *Bioconjugate Techniques*, now in its Third Edition, which is an extensive manual on the methods of bioconjugation. Greg has had significant impact on the bioscience fields as proven by nearly 27,500 citations to his publications and patents.

Abstract:

Crosslinking and bioconjugation reagents are widely used in research to study protein interactions, or as tools for assay or nanoparticle development. While there are many reactive chemistries and labeling tags available to scientists, it is important to choose the tools that deliver the desired outcome based on the functional groups available, steric considerations, cleavability and solubility required for successful conjugation. In this webinar, we will discuss the basics of crosslinking, and simple guidelines on how to achieve the most efficient modification for some typical applications, including labeling antibodies, immobilizing biomolecules to surfaces, and capturing protein interactions for mass spectrometry analysis.