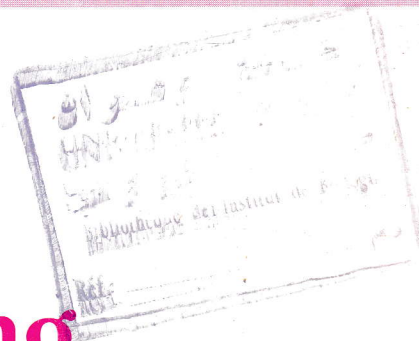


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Advances in Gene Technology: Protein Engineering and Production



Proceedings of the 1988
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This volume contains over 170 reports on topics of current research and development in the area of protein engineering and production.

The subject matter is presented in 11 sections covering: protein modeling, folding and dynamics; processing and sorting; nucleic acid binding proteins; hormones, growth factors and receptors; protein design for catalysis; antibodies and antigens; protein structure and pharmaceutical design; design and production of proteins for therapeutic and industrial uses; producing proteins in quantity and delivering protein therapeutics. Each section is made up of two-page reports from the 40 invited speakers, and one-page reports that derive from the 136 papers presented in the poster sessions.

The book is intended to provide a broad and current account of protein design as well as the applications of protein engineering by synthetic and genetic methods to answering basic scientific questions and how this information is being used in the production of proteins with medical and industrial uses. It should serve as an introduction to the field for scientists in a variety of other disciplines and will be of particular interest to those in the biotechnology industry. Because the individual contributions are in the form of detailed progress reports, with extensive reference to the current literature, the book should also be an important source of information for specialists.

This is volume 8 of the ICSU Short Reports, continuing the highly successful format of preserving poster sessions as complete and appropriately documented papers that can be cited in the accessible literature, as well as including concise accounts from the leading practitioners that display their latest results and permit in-depth exploration of the subject by recourse to the cited literature.

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