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From Antibody Fragments to Therapeutic Manufacturing: Challenges and the Future of Antibody Synthesis

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Deadline for manuscript submissions:
closed (20 July 2021)

Message from the Guest Editors

With the explosive growth in the antibody therapeutics market comes the increasing need to create higher-quality antibody proteins using time- and cost-effective strategies. Protein synthesis is a rapidly evolving field with a broad diversity of techniques. Antibody protein synthesis, particularly, requires constant innovation to create better research tools, diagnostics, and therapeutics. Expression systems, scale, and techniques vary widely from recombinant expression in prokaryotes to mammalian cell culture expression, cell-free expression, monoclonal vs. polyclonal, fragments, isotypes, multi-specifics, library generation, and many others. The Special Issue “From Antibody Fragments to Therapeutic Manufacturing: Challenges and the Future of Antibody Synthesis” aims to kindle discussion of current and innovative methods of antibody production. We invite experts to share manuscripts describing their choice of antibody synthesis method, advantages, disadvantages, and innovations from preclinical proof-of-concept to large-scale manufacturing of antibody or antibody-like proteins intended for research, diagnostics, or therapeutic applications.

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Editor-in-Chief

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Message from the Editor-in-Chief

Antibodies is a relatively new journal with a major focus on quick dissemination of knowledge related to antibodies, especially how to quickly translate basic research results to therapeutic applications. Because it covers all areas related to antibodies unexpected connections between different areas could be made, leading to major discoveries and opening new fields of research and development. This is enhanced by the large readership of the many antibody-related areas of research. A specific priority area is human monoclonal antibodies for therapy of diseases and aging.

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