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Phage and Ribosome Display for Antibody Discovery and Optimization

Guest Editor:

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Deadline for manuscript submissions:
closed (31 December 2022)

Message from the Guest Editor

Therapeutic antibodies have become a major driving force for the biopharmaceutical industry; therefore, the discovery and development of safe and efficacious antibody leads have become competitive processes. Phage and ribosome display are ideal tools for the generation of such molecules and have already delivered an approved drug as well as a multitude of clinical candidates. Large libraries (up to 10^{15}) can be rapidly constructed, antibodies selected, and sequence space extensively explored by targeted mutagenesis techniques or by random mutagenesis throughout the antibody sequence.

This Special Issue of *Antibodies* will consider any submission associated with phage and ribosome display, whether it be its use for discovering novel antibodies, the development of new phage and ribosome display techniques, optimization, humanization and affinity maturation approaches, or its utilization in novel applications in diagnostics and therapeutics.

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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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