

Editorial

Refining the Vision of *Clinical Bioenergetics*: Updated Aims and Scope for an Evolving Field

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In response to the evolving landscape of scholarly publishing and to more fully encompass the rapidly expanding field of translational and applied bioenergetics, *Clinical Bioenergetics* has refined and expanded its aims, scope, and focus areas. These revisions were developed through collaborative discussions among the journal's Editorial Board and editorial advisors at our publishing partner, MDPI, with the goal of better aligning the journal with emerging scientific directions, methodological advances, and the growing clinical relevance of bioenergetics research.

Since its launch, *Clinical Bioenergetics* has aimed to provide a dedicated forum for research examining the role of energy metabolism in human biology and disease. However, the field has evolved substantially in recent years, with increasing recognition that disturbances in cellular and tissue bioenergetics contribute fundamentally to a broad range of acute and chronic disorders, including cardiometabolic disease, neurodegeneration, aging-related dysfunction, mitochondrial disorders, cancer, and impaired physical performance. At the same time, advances in analytical technologies, systems biology, molecular medicine, and translational physiology have enabled increasingly precise interrogation of bioenergetic pathways and their therapeutic modulation.

The updated aims and scope reflect these developments by placing greater emphasis on integrative, mechanistic, and translational approaches to bioenergetics. This journal continues to prioritize clinically relevant research while explicitly welcoming fundamental experimental investigations—including cellular, molecular, and preclinical studies—as long as they have clear implications for human health, disease mechanisms, or therapeutic development. In this regard, *Clinical Bioenergetics* seeks to bridge the gap between basic discovery and clinical application, supporting research that advances understanding of how biological energy systems influence health throughout the lifespan.

The revised scope also places greater emphasis on inherited and acquired disorders of energy metabolism, biomarkers and analytical methodologies for assessing bioenergetic function, tissue- and organ-specific energetics, and interventions targeting energy metabolism through nutritional, pharmacological, behavioral, and lifestyle strategies. Particular attention is given to studies that provide mechanistic insight into disease pathophysiology, adaptation, resilience, and therapeutic responsiveness.

Importantly, this journal welcomes contributions from a broad range of scientific and clinical disciplines, including physiology, molecular biology, endocrinology, neuroscience, metabolism, nutrition, pharmacology, exercise science, and clinical medicine. We believe that bioenergetics represents a fundamentally interdisciplinary field, and meaningful advances often emerge from collaboration across traditional scientific boundaries.

The revised aims and scope were also developed to provide clearer guidance for prospective authors regarding the types of submissions that are most appropriate for the



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journal. While descriptive studies may contribute important observations, priority will be given to manuscripts that offer novel mechanistic, methodological, translational, or clinically relevant insights capable of advancing the field. Full methodological transparency and reproducibility remain central principles of the journal, and authors are encouraged to provide detailed experimental procedures and accessible analytical approaches whenever possible.

Clinical Bioenergetics publishes original research articles, reviews, communications, case reports, and other special-category manuscripts relevant to the field. There are no strict limitations on manuscript length when scientifically justified.

As Editor-in-Chief, I believe these revisions position *Clinical Bioenergetics* to better serve the scientific community and to reflect the increasing importance of bioenergetics within contemporary biomedical research and clinical practice. We warmly invite submissions that address, challenge, refine, or expand our current understanding of biological energy metabolism in health and disease.

If authors are uncertain whether their work fits within the journal's revised scope, we encourage them to contact the editorial office (clinbioenerg@mdpi.com). Our editorial team remains committed to supporting authors and ensuring a rigorous, constructive, and rewarding publishing experience.

Conflicts of Interest: The author declares no conflicts of interest.

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