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EDITORIAL

The changing role of medical biochemistry

Medical biochemistry continues to grow as a field that connects laboratory findings with clinical decision-making. The articles in this issue reflect that broad and changing role. They address important topics such as neurodegeneration, diabetes, inflammation, hematologic disease, colorectal cancer screening, diabetic retinopathy, cardiometabolic risk, and experimental cancer research. Together, they show how laboratory medicine supports both better understanding of disease and better patient care.

A common message in this issue is that laboratory medicine is no longer limited to measuring analytes. It also helps explain disease mechanisms, evaluate risk, compare methods, and improve the clinical value of test results. Some studies focus on biomarkers and pathophysiology, while others highlight analytical performance and test agreement. This balance is crucial for the field's future.

As the scope of medical biochemistry expands, the need for scientific rigor, clear interpretation, and clinical relevance becomes even greater. We hope the studies in this issue will contribute to ongoing research, encourage collaboration, and support the continued development of laboratory medicine.

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Editor-in-Chief