

Editor's Note

The foolish may not understand
Even the things they see;
They live on blindly.

The clever may understand
Even the things they do not see;
They live imaginatively but seldom find their reality.

The wise understand
The things they see,
And see the things they understand;
They live in the balance of their twofold perception.

Chai Na Pol A.



In this advanced technology era, a number of fundamental knowledge on the physiological sciences has been greatly progressed. It has been known for centuries that without knowing the physiological and/or pathophysiological functions the discoveries of the existence or non-existence of any substance or organism would have less translational impact to its clinical application. With this statement, it does not mean that research without physiological/pathological insights is meaningless. Rather, it emphasizes the fact that the translation of any biomedical research to the ultimate human application will need to be validated by physiological and/or pathophysiological investigations.

This is due to the fact that both physiological and pathophysiological research is indeed an essential core to our understanding in its effects in health and diseases for all investigations including genomic and proteomic studies.

This year marks the first launch of the “*Journal of Physiological and Biomedical Sciences (JPBS)*”. Although with a new name, the journal itself has been established since 1987 as the *Thai Journal of Physiological Sciences*, an official journal of the Physiological Society of Thailand. As we have come to the time that an integration of all fields in biomedical sciences is important in understanding the mechanisms of the diseases, it is the time that this journal should provide readers a broader view of research and is no longer limited to only Physiological Sciences. The *Journal of Physiological and Biomedical Sciences*, therefore, is served as a medium for investigators from any field whose researches are focusing on the mechanistic insights into the physiology and pathophysiology in health and diseases.

In this issue of *JPBS*, a special invited article entitled “Proteomics: State of the Art in Post-Genomic Physiological and Biomedical Sciences” by an international expert in proteomics Dr. Visith Thongboonkerd (Mahidol University, Bangkok, Thailand) should reassure our readers the aforementioned statements regarding the importance of physiological/pathophysiological studies in all fields. In addition, eight original articles in both basic and clinical research included in this *JPBS* issue should provide our readers various scientific information ranging from reproductive and cardiac autonomic system to neurophysiology. In the last section of this *JPBS* issue, research abstracts for the 38th Annual Scientific Sessions of the Physiological Society of Thailand are included. Living in a world with rapid pace in scientific research nowadays, we expect that *JPBS* will continue to be another addition to biomedical journals where investigators share their great research and wisdom with us.

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