
Book Review

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**Tributes to Yuan-Cheng Fung on his 90th Birthday,
Biomechanics: From Molecules to Man
by S. Chien, P. Chen, G. Schmid-Schoenbein and P. Woo
Published 2010
by World Scientific, New Jersey, 350 pages
ISBN: 9789814289870**

It is indeed an honour and a privilege to provide a review for “Tributes to Yuan-Cheng Fung on his 90th Birthday, Biomechanics: From Molecules to Man”.

This book is also a tribute to Professor Yuen-Cheng (Bert) Fung, a leading scientist, regarded as the founder of bioengineering, tissue engineering and modern biomechanics, on his 90th Birthday. It is a compilation of work that was presented at the International Symposium on Genomic Biomechanics: Frontier of the 21st Century, as well as other excellent papers relating to the broad field of bioengineering.

The domains of bioengineering and biomechanics are of paramount importance and significance to the field of biomedical engineering and technology, in general, and healthcare delivery for the 21st century in particular. The topics covered in this compilation range from discussions of aspects regarding soft tissue analysis, for example, Chapter 1 “Physician Mechanisms of Soft Tissues Rheological Properties” by Lamir, and Chapter 3 “The Origin of Pre-Stress in Biological Tissues” Wan et al., to blood flow dynamics, e.g., Chapter 4 “How Blood Flow shapes Neointima” by Liu and Fung, and Chapter 21 “Correlation of Whole Blood Viscosity with real time micro-vascular abnormalities in Type-1 Diabetes Mellitus (T1DM)” by Cheung and various discussions pertaining to numerous issues regarding stem cells, e.g., Chapter 16 “Stem Cells, Biomechanics and Y.C. Fung” by Ahsan et al. Thus, the book covers the whole spectrum of biological hierarchy and in so doing provides an excellent compilation of the significant contributions of Professor Fung to this field.

As can be expected for a book that has been developed in honour of such a great colleague and scientist, the book is of an exceptional standard and is especially highly recommended for all junior level scientists in the domains of bioengineering and biomechanics who are aspiring to the top of the field.

I am sure anyone who reads this book will be as impressed as I was. Belated happy 90th Birthday Professor Fung and many thanks for your marvellous contribution to our field.