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Quantification of Biological and Mechanical Changes Due to Radiation Exposure

Guest Editors:

Dr. Anthony G. Lau

Department of Biomedical Engineering, The College of New Jersey, Ewing Township, NJ, USA

Dr. Sourav S. Patnaik

Department of Bioengineering, University of Texas at Dallas, Richardson, TX, USA

Deadline for manuscript submissions:

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Message from the Guest Editors

The overarching aim of this Special Issue is to enhance our understanding of mechanical and biochemical cues that bring changes in the living systems due to radiation exposure. There is a significant need to address the mechanical changes in tissues and cells that are subjected to (i) radiation exposure; and (ii) radiotherapeutic approaches at low- and high-doses. Biomechanical alteration of non-targeted tissue irradiation has been recently highlighted in literature. Yet the mechanistic regime of radiation-induced biomechanical changes in the human body is not fully understood.

The goal of this Special Issue on the “Quantification of Biological and Mechanical Changes Due to Radiation Exposure” is to highlight original research papers and comprehensive reviews, dealing with micro-to-macro level changes in human physiology from a mechanics point of view.



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Special Issue



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Editor-in-Chief

Prof. Dr. Anthony Guiseppi-Elie

Department of Biomedical
Engineering, Texas A&M
University, College Station, TX
77843, USA

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Bioengineering Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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