



# biology



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## Applied Physics in Cancer Cells

Collection Editors:

### **Dr. Jagoba Iturri**

Department of  
Nanobiotechnology (DNBT),  
Institute for Biophysics, BOKU  
University for Natural Resources  
and Life Sciences, Muthgasse 11  
(Simon Zeisel Haus), A-1190  
Vienna, Austria

### **Prof. Dr. José Luis Toca-Herrera**

Institute of Biophysics,  
Department of Bionanosciences,  
University of Natural Resources  
and Life Sciences, Muthgasse 11,  
1190 Vienna, Austria

### **Message from the Collection Editors**

This Special Issue will focus on the state-of-the-art of applied-physics-related methodologies for investigating the behavior of cancerous cells and tissue, their measurement and characterization representing a thrilling challenge to researchers in the field.

Topics of interest might cover the characterization of cell electrical properties, mechanical, proliferation, and adhesive properties, the influence of applied magnetic fields, utilization of (nano)particles of diverse nature (i.e., magnetic), reporting of advances in ultrastructure determination, as well as surface properties, among others. These features can also be approached from a materials science or a diagnosis tool perspective, in order to discriminate between healthy and cancer cells. Submission is open to studies with very diverse experimental techniques (optical/fluorescence microscopy, quartz crystal microbalance, electrical impedance spectroscopy, Raman/FTIR/microwave spectroscopy, reflection interference contrast microscopy, etc.), although the use of scanning probe microscopy is particularly appreciated.



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# Topical Collection



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Research Programme in  
Molecular and Integrative  
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and Environmental Sciences,  
University of Helsinki, P.O. Box  
56, FI-00014 Helsinki, Finland

### Prof. Dr. Andrés Moya

Integrative Systems Biology  
Institute, University of Valencia  
and CSIC, 46980 Valencia, Spain

## Message from the Editorial Board

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*Biology* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
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