

Special Issue

Cancer Genomic Testing and Its Application to Molecular Pathology Diagnosis

Message from the Guest Editor

Previously, the purpose of genetic testing was to corroborate diseases based on somatic mutations for inborn and metabolic diseases. Currently, PCR and chromosome analysis technologies are used in clinical testing, and genetic testing for hematopoietic tumors is performed not only for infectious diseases but also for malignant tumors. In pathological diagnosis, with the adoption of companion diagnostics for cancer, more information is required than can be obtained by PCR or Sanger sequencing for genetic abnormalities, and so next-generation sequencing has finally come into its place. Information on genetic aberrations based on disease origin can be obtained not only from large panels, but also from compact panel analysis of specific tumors, which is highly useful. I hope that the results will contribute to the improvement of genome testing technology by elucidating the genetic abnormalities of many cancers and their molecular mechanisms.

Guest Editor

Dr. Tomomi Fujii

Department of Diagnostic Pathology, School of Medicine, Nara Medical University, Kashihara 634-8521, Nara, Japan

Deadline for manuscript submissions

closed (20 December 2022)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/107473

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

mdpi.com/journal/applsci





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)



About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)