

## Special Issue

# Molecular Biomarkers as Potential Therapeutic Targets in Human Testicular Germ Cell Tumors

### Message from the Guest Editors

Gonad development is a highly regulated phenomenon, and its perturbation may have a great impact, not only on the proper development of the gonads, but also on promoting the instauration of germ cell tumors (GCTs). In the next future, a better understanding of TGCT molecular pathogenesis will likely lead to the development of novel tailored therapies for patients resistant to standard treatments and also to limit the short- and long-term toxic side-effects of chemotherapy. Given the clinical relevance of TGCTs, the aim of this Special Issue is to collect studies describing novel molecular mechanisms able to induce the instauration and progression of TGCTs, with particular interest in those that can be used as innovative molecular biomarkers in both diagnosis and prognosis. Moreover, studies about new molecular approaches for characterizing the properties and alternative strategies for the treatment of TGCTs are also encouraged. The articles that will be considered for publication are original studies, reviews, and technical advancements for tumor characterization and/or diagnosis.

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### Guest Editors

Dr. Marco De Martino

Prof. Dr. Paolo Chieffi

Dr. Francesco Esposito

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### Deadline for manuscript submissions

closed (31 December 2021)



## Applied Sciences

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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.

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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
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