

## Special Issue

# New Insights into the Pathobiology of T Cell Malignancies

### Message from the Guest Editor

T cell malignancies (TCM) consists of a heterogenous group of aggressive hematologic neoplasms, including peripheral T cell lymphomas (PTCL), cutaneous T-cell lymphomas (CTCL) and acute T cell lymphoblastic leukemia (T-ALL). TCM are relatively rare, with a similar incidence of 0.65/100 000 for PTCL and for CTCL, and 0.15 for T-ALL. In the last decade, the introduction of high throughput next generation sequencing techniques, as whole genome sequencing, RNA sequencing and single cell sequencing, resulted in the identification of numerous genetic, epigenetic and transcriptomic alterations in TCM. Yet, to date the knowledge of genetic alterations has not successfully resulted in better understanding of molecular pathogenesis of distinct TCM entities, and in consequence the prognosis for TCM patients is still unsatisfactory.

The aim of this Special Issue is to report novel genomic, epigenomic, transcriptomic or proteomic alterations associated with T cell malignancies, as well as functional studies unraveling, or verifying their contribution to the malignant transformation, cancer development or progression. Original articles, short communication and review papers are welcome.

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### Guest Editor

Prof. Dr. Grzegorz Przybylski

Institute of Human Genetics, Polish Academy of Sciences, 60-479 Poznan, Poland

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### Deadline for manuscript submissions

closed (20 August 2025)



## International Journal of Molecular Sciences

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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[ijms@mdpi.com](mailto:ijms@mdpi.com)

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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### Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,  
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle  
Marche, Via Ranieri 65, 60100 Ancona, Italy

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