Highlights from This Issue and Perspectives for the New Year

Dear Colleagues,

It is my pleasure to introduce the current issue of the *Turkish Journal of Immunology*, which brings together a series of original studies reflecting continued scientific progress in our field. This issue features contributions from Türkiye (4 articles), Indonesia (1 article), and Saudi Arabia (1 article), demonstrating both the journal's expanding international engagement and the strong research activity within our region.

This issue also includes a review article that examines the role of circular RNAs in cancer immune checkpoint therapy, with a particular focus on anti-PD-1 treatment. This comprehensive analysis highlights the emerging regulatory functions of circRNAs and their potential to influence therapeutic responses, offering new perspectives for the future of cancer immunotherapy.

The original articles presented here address important and diverse areas of immunology. One study employs molecular dynamics simulations to explore the allosteric stabilization of pMHC complexes, contributing to our understanding of peptide design and T-cell epitope prediction. Another study integrates clinical data with *in silico* modelling to evaluate the pathogenic potential of hypomorphic *DNA cross-link repair 1C* (DCL-RE1C) variants, offering refined perspectives on malignancy and autoimmunity risk.

Research on the dose-dependent effects of maternal vitamin D_3 supplementation provides valuable insights into the regulation of IL-6 and IL-1β in offspring, expanding our understanding of prenatal immunomodulation. The analysis of typeable and non-typeable Haemophilus influenzae strains offers important observations regarding their influence on $CD4^+$ T-cell proliferation and Th1/Th2 cytokine responses. Finally, an investigation into the impact of different human leukocyte antigen (HLA) typing resolutions on population genetic parameters highlights considerations of significance for immunogenetics and transplantation studies.

As we bring this year to a close, I warmly thank all our authors, reviewers, and readers for their invaluable contributions and unwavering support. May the new year bring you health, peace, and renewed enthusiasm for scientific discovery. We look forward to another year of collaboration and advancement together.

Wishing you all a happy, healthy, and successful New Year!
With warm regards,

Prof. Günnur Deniz 🆔
On behalf of the Editorial Board
Turkish Journal of Immunology

Correspondence
Günnur Deniz

E-mail
gdeniz@istanbul.edu.tr