

Special Issue

Molecular Insights and Unique Characteristics in Adolescent and Young Adult Oncology

Message from the Guest Editor

This Special Issue addresses the critical gap in oncology research for patients aged 15–39 years, a population that often falls between established pediatric and adult treatment paradigms. Recent molecular and genomic studies have revealed distinct biological characteristics of malignancies in this age group at the molecular level, warranting dedicated research attention. The AYA (Adolescent and Young Adult) oncology population presents with unique tumor biology, molecular signatures, treatment responses, and survival outcomes that differ from both pediatric and older adult patients. Despite comprising approximately 5% of all cancer diagnoses, survival improvements in this age group have lagged behind those observed in pediatric and older adult populations. This Special Issue aims to highlight recent molecular advances in understanding these age-specific differences and translate them into improved clinical outcomes.

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Message from the Editor-in-Chief

Editor-in-Chief

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