

Special Issue

Cancer Cell Models for the Development of Anti-cancer Drugs

Message from the Guest Editor

The epithelial organ site cancers are profoundly influenced by environmental, dietary and life style factors during the multi-step process of initiation, promotion and progression. Tissue culture systems that utilize organ culture, cell culture, ex-vivo models for patient-derived xenografts (PDX) and for patient derived organoids (PDO) facilitate mechanistic studies on cancer development and cancer therapy. The cancer cell culture models may provide valuable mechanism-driven approaches for initial screening and prioritizing promising new anti-cancer drugs as clinically translatable lead compounds.

This special issue welcomes research articles and reviews focusing on new experimental directions that utilize tumor organ and cell culture, cancer stem cell culture, and ex-vivo PDX and PDO models for their diagnostic or therapeutic applications.

Guest Editor

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