



Michael R Shurin, Russell D. Salter (Eds.)

Dendritic Cells in Cancer

- Presents the very first analysis of published and not-yet published experimental and clinical data related to the immunobiology of DC in tumor-bearing hosts
- No other publication combines all issues related to immunobiology of DC in cancer in one rationally organized comprehensive volume prepared by the leading experts in the field

It covers all aspects of DC generation, function, survival and antitumor activity in the tumor environment both in vivo and in experimental in vitro systems. The goal in focusing on a spectrum of issues related to DC in cancer is to provide an extensive and expansive review rather than a collection of independent analyses from different authors. Specific topics to be covered include analysis of DC behavior in the tumor microenvironment, including endogenous and exogenous DC, multiple DC populations, molecular pathways responsible for DC dysfunction, tumor-derived factors altering DC polarization and activation, mechanisms of DC alterations, and the role of DC in tumor escape from immune recognition and elimination. Furthermore, additional chapters provide extensive analysis of the consequences of cancer therapy on the DC system and how aging impacts DC function in the tumor microenvironment. Finally, chapters are included examining strengths and pitfalls of current methodologies for generating DC from cancer patients for therapeutic purposes and on the role of tumor-mediated modulation of the DC system in cancer immunotherapy.

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