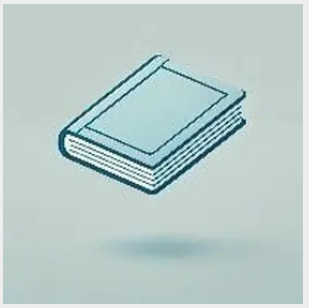
Basu / Lee

Cellular Therapy for Autoimmune Disease



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Cellular Therapy for Autoimmune Disease provides a comprehensive exploration of the evolving landscape of cellular therapies for autoimmune diseases. The book delves into the evolution of the standard of care for autoimmune diseases, transitioning from chronic suppression to targeted replacement or suppression therapies. It covers a wide array of topics, including stem cell transplants, B-cell and plasma cell depletion strategies, and autologous regulatory and effector T-cell approaches. Additionally, it explores myeloid cellular approaches, allogeneic cellular therapies, and viral or nanoparticle-based strategies. Each chapter provides a thorough examination of mechanisms of action, clinical and non-clinical data, and the associated risks and benefits. Finally, the book addresses unique clinical and manufacturing considerations, offering a roadmap for the future state of cellular therapies in autoimmune diseases. This essential resource addresses the rapid advancements in cell therapies that have outpaced the availability of integrated, up-to-date resources. By bridging the gap between scientific research and clinical applications, it offers in-depth insights into mechanisms of action, disease-specific therapeutic strategies, and the latest innovations in clinical and manufacturing considerations for scientists and clinicians.

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