

LANDSCAPE AND THERAPEUTIC OPPORTUNITIES OF CYTOKINES FOR ONCOLOGY



A Leading Biotechnology Company

The Client was planning to expand their portfolio in the area of cancer treatment by moving beyond classical approaches. They engaged with PreScouter to understand the high-level landscape and therapeutic opportunities related to cytokines and cytokine inhibitors for anticancer therapy.



CHALLENGE

PreScouter's goals in this engagement were to provide a basic overview of the biology of the most relevant cytokines and to summarize the breadth of strategies being undertaken by companies seeking to leverage cytokines for cancer therapy.



APPROACH

This involved first defining the landscape of cytokines from the scientific literature with any evidence supporting a role in cancer development and progression and then shortlisting and profiling the top cytokines by assessing the strength of the scientific evidence supporting a role in cancer, druggability, and clinical utility and summarizing the efforts of key players to develop innovative therapeutics. Finally, PreScouter synthesized the results to identify trends across research and development efforts.



OUTCOME

PreScouter helped the Client establish feasibility of cytokine cancer therapeutics from scientific and clinical evidence and identify the most promising cytokines based on biological and technical feasibility. PreScouter's insights also enabled the Client to refine opportunities to enter the space based on analysis of competitive activity. Additionally, the PreScouter team highlighted novel therapeutic and delivery approaches to focus the Client's next steps in exploring acquisition targets.