

AI Creativity Unlocks Transformative Therapies for Immunology and Inflammation

The current pace of drug discovery is too slow to meet the urgent demand for novel therapies, especially in complex fields like immunology and inflammation. By fusing human ingenuity with the generative power of AI, DeepCure's platform accelerates the design of novel small molecules against historically intractable targets. Leveraging proprietary technologies—PocketExpander™ for uncovering hidden binding pockets and MolGen™ for generating synthesizable chemical space—we have advanced therapeutic candidates for targets such as BRD4(BD2) and STAT6, with the potential to reshape treatment paradigms for autoimmune diseases and allergies. Our STAT6 program exemplifies this approach, yielding potent, selective compounds with excellent oral bioavailability and metabolic stability. This talk will illustrate how AI creativity, guided by expert insight, is accelerating the discovery of transformative treatments for autoimmune and inflammatory diseases.