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- Ulcerative colitis (UC): subset of inflammatory bowel diseases that causes inflammation in the colon and rectum Symptoms include diarrhea, rectal bleeding, and abdominal pain
- environmental factors are involved
- Changes in normal immune function are implicated, and **T cells play a critical role** in the adaptive immune response against gut microbial antigens (Fig. 1)
- Cross-sectional studies have characterized T cell clones in UC patients and assessed T cell
- patients fluctuate between flare (inflamed) and remission (uninflamed) states—and dynamic changes in the TCR repertoire of patients are poorly understood





Subsequence-level approaches for assessing TCR sequences yield insights into T cell repertoire dynamics in ulcerative colitis patients

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