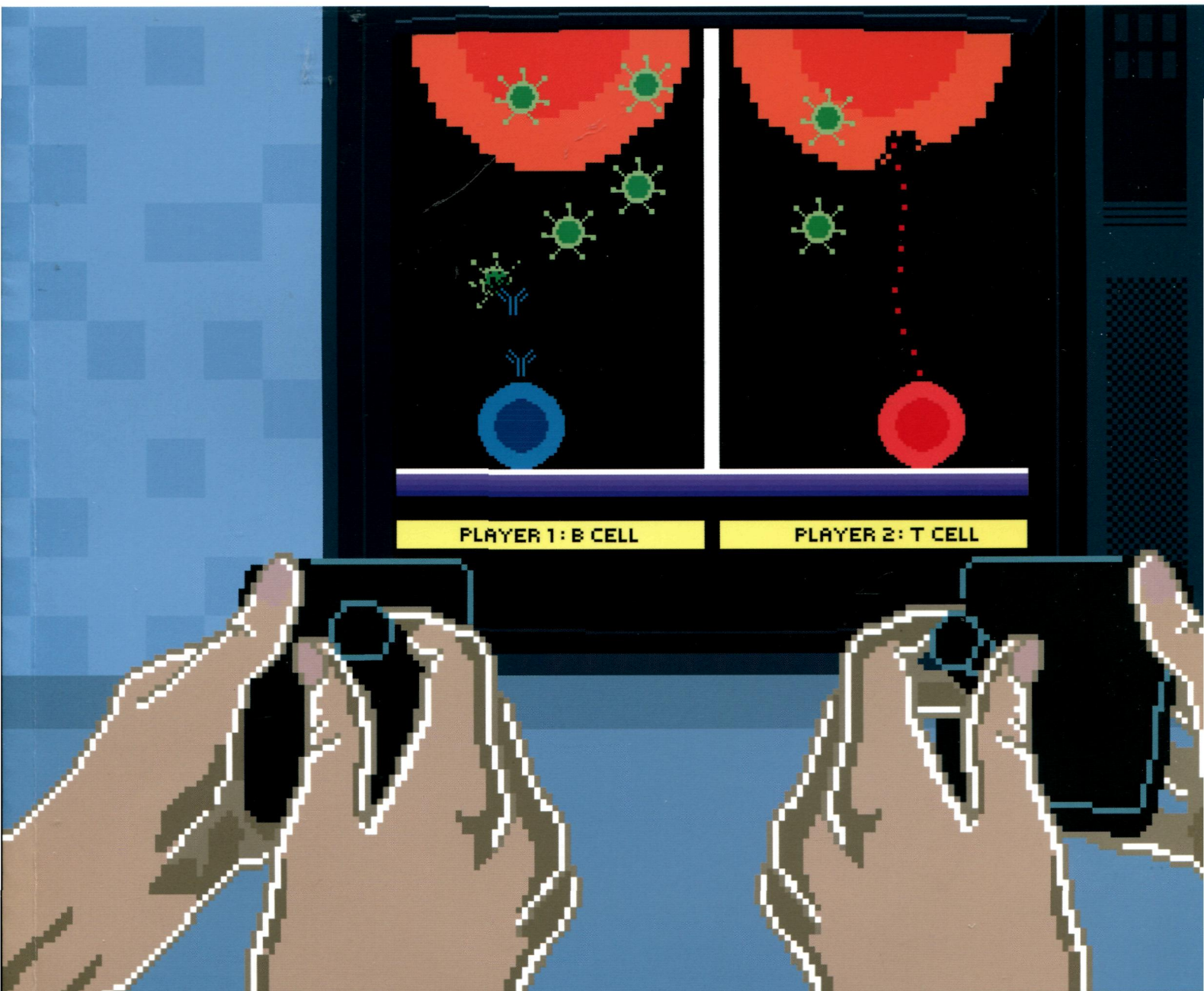


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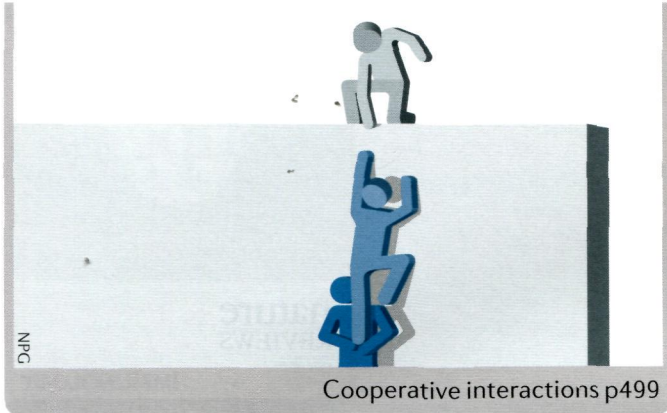


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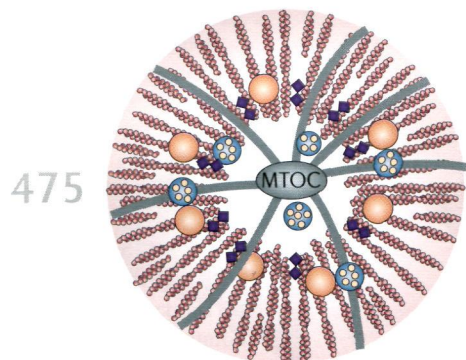
In this Review, the authors discuss the molecular mechanisms that enable B cells to internalize, process and present antigens on MHC class II molecules to CD4⁺ T cells. They focus on the importance of cytoskeletal rearrangements and the establishment of polarity in B cells for these processes.

487 Unravelling the mechanisms of durable control of HIV-1

FEATURED ARTICLE

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This article describes recent progress in delineating the factors that contribute to spontaneous HIV-1 immune control, with the ultimate aim of translating these studies into clinical strategies to induce a 'functional cure' of HIV-1 infection.



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499 Specificity through cooperation: BATF-IRF interactions control immune-regulatory networks

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The transcription factors BATF (basic leucine zipper transcription factor ATF-like), BATF2 and BATF3 have unique positive transcriptional activities in the development and the function of dendritic cells, B cells and T cells, which are mediated through molecular interactions with interferon-regulatory factor 4 (IRF4) and IRF8.

510 On guard: coronin proteins in innate and adaptive immunity

Jean Pieters, Philipp Müller and Rajesh Jayachandran

Coronins were first characterized on the basis of their interactions with the actin cytoskeleton and were later linked to immune dysfunction. In this short, focused Review, the authors discuss the emerging roles of coronins in immune cell signalling.

519 Primary antibody deficiencies

Anne Durandy, Sven Kracker and Alain Fischer

Primary antibody deficiencies (PADs) are the most common form of hereditary immunodeficiencies. Here, the authors discuss how recent progress in the genetic and molecular understanding of PADs has illuminated previously unappreciated aspects of B cell function and has helped to explain the broad range of pathologies linked to PADs.

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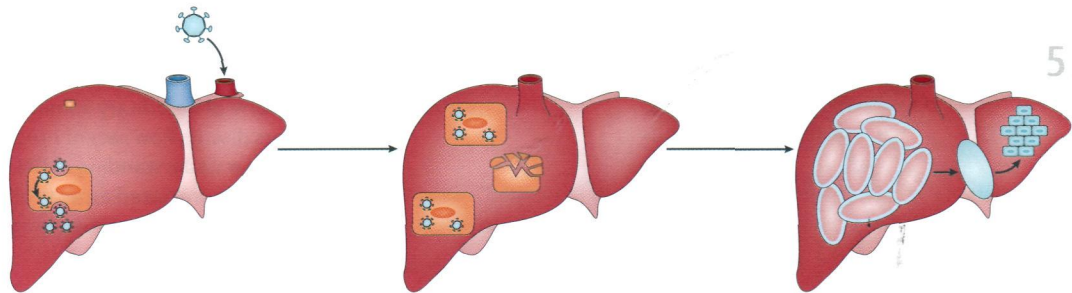
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