Global Positioning by Chemokines and other Mediators

The real estate agent’s mantra “location, location, location”, referring to the importance of physical adjacency, represents an apt metaphor for the functional importance of positioning of cells of the immune system. Orchestration of cell development and protective immune responses is very much dependent on proper cellular localization, a process guided by a variety of chemoattractants. The study of these molecules and their roles in guiding cells to appropriate locations has enjoyed great progress in the past decade. In this volume of Immunological Reviews, Andrew Luster has enlisted a panel of experts who review their work in this important area.
Immunological Reviews

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While each volume of Immunological Reviews is devoted to a single topic of immunological research, collectively their aim is to provide a broad and continuously updated survey of advances in basic immunology and their clinical applications. Selected topics may represent fields in which knowledge or understanding are expanding, areas in which previously separated lines of investigation are being synthesized or subjects in which previously held views are challenged by more recent findings. Authors invited to contribute to each volume of Immunological Reviews are chosen by the Editorial Board. The tradition of Immunological Reviews is for each author (or group of authors) to focus on reviewing their own contributions and give a synthesis of their research and views. As a group the articles in each volume aim to provide comprehensive coverage of the topic.

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Cover illustration: 3D light sheet of REX3 (CXCR3 ligand reporter) mouse inguinal lymph node 6 days following LCMV-Armstrong infection. Chemokine cellular sources are shown in red (CXCL9) and blue (CXCL10). Lymphatic vessels are shown in white (CD31 staining). Image credits: Verena Wimmer, Fanny Lafouresse

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