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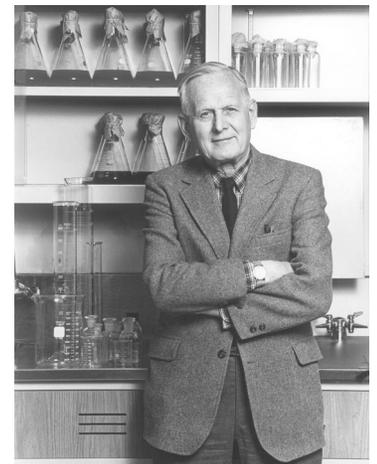
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ON THE COVER

In this issue, Emil C. Gotschlich and Vincent A. Fischetti provide a retrospective of the career of their colleague, mentor and friend Maclyn McCarty, a long-time *JEM* Editor who passed away earlier this year. Photo of McCarty in his lab in 1983 provided by the Rockefeller University Archive. [See page 1699](#)

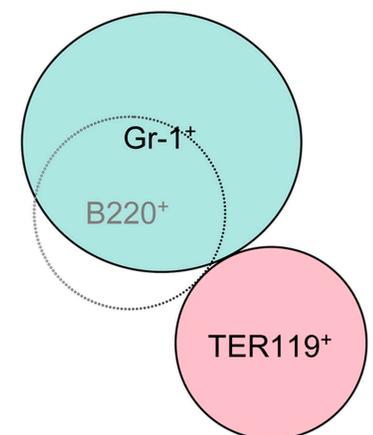
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- 1741** Cellular immune selection with hepatitis C virus persistence in humans
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- 1761** Recruitment of Gr-1⁺ monocytes is essential for control of acute toxoplasmosis
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- 1793** Coexpression of CD25 and CD27 identifies FoxP3⁺ regulatory T cells in inflamed synovia
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- 1805** Live imaging of effector cell trafficking and autoantigen recognition within the unfolding autoimmune encephalomyelitis lesion
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- 1815** In situ characterization of CD4⁺ T cell behavior in mucosal and systemic lymphoid tissues during the induction of oral priming and tolerance
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Three articles and a commentary in this issue explore hepatitis C virus evolution and immune escape during human infections.

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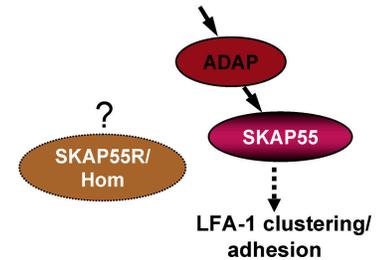
The lymphoid (B220⁺) and granulocyte (Gr-1⁺) bone marrow compartments share a developmental niche that excludes the erythroid (TER119⁺) lineages.

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1825 Histone deacetylase activity is essential for the expression of *HoxA9* and for endothelial commitment of progenitor cells
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1837 Mimicry of a constitutively active pre-B cell receptor in acute lymphoblastic leukemia cells
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1853 SURFIN is a polymorphic antigen expressed on *Plasmodium falciparum* merozoites and infected erythrocytes
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The adaptor SKAP-55, but not the closely related SKAP-55R, is essential for "inside-out signaling" that couples the T cell receptor to integrin clustering.
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