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CANCER IMMUNOLOGY RESEARCH

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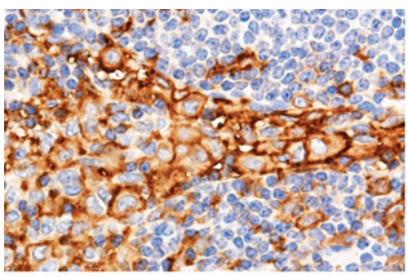
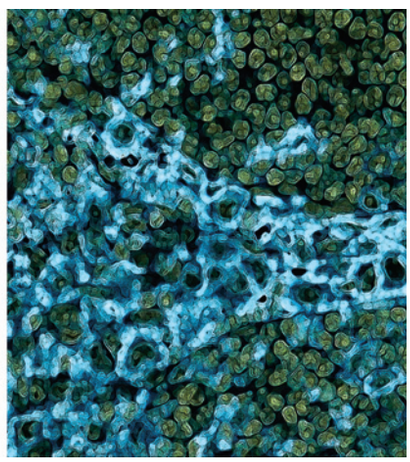
ABOUT THE COVER

The phosphatidylserine receptor TIM4 is expressed on the surface of antigen-presenting cells and is involved in antigen uptake and T-cell priming, but its expression on pleural/peritoneal cavity and omentum-resident macrophages is associated with protumor activity. Bugatti, Bergamini, Missale et al. have identified a novel class of TIM4$^+$ macrophages found in the T-cell zone of tertiary lymphoid structures (TLS) across diverse cancer types. TIM4$^+$ TLS-associated macrophages express a gene signature associated with tumor immunogenicity and positive patient prognosis, whereas TIM4$^+$ cavity macrophages coexpress immunosuppressive genes, such as those encoding IL10 and TREM2. These data highlight spatially and phenotypically distinct TIM4$^+$ TLS-macrophage populations with potential clinical implications across solid tumors. Read more in this issue on page 1340. Original image from Fig. 1B. Artwork by Lewis Long.





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