Cancer Immunology Research

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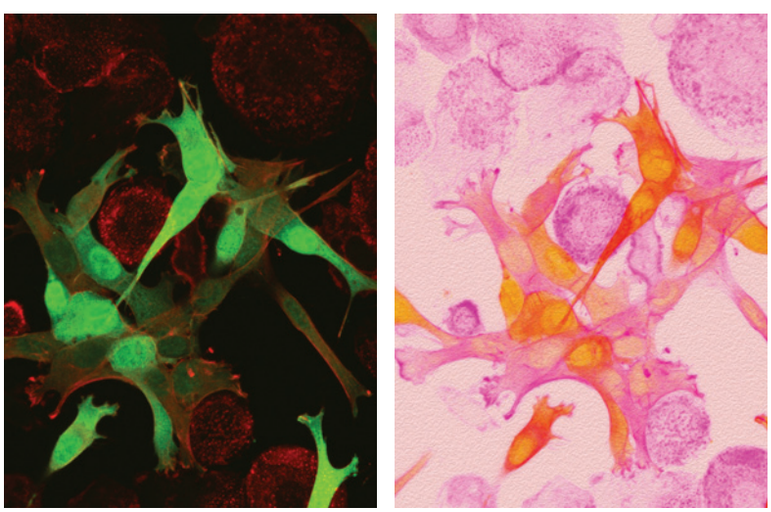
ABOUT THE COVER

Infiltration by tumor-associated macrophages (TAMs) can promote the progression of cancer. It is thought that macrophages use a similar mode of migration as other leukocytes (i.e. amoeboid motility). However, the mechanism of macrophage migration in tumoral tissues has not been elucidated. Gui et al. determined that TAM migration differs from the migration patterns of other leukocytes, including other macrophage populations in nontumor tissues. TAMs use the protease-dependent mesenchymal mode to migrate into mouse and human tumor tissues. Inhibiting TAM migration without inhibiting macrophage migration in nontumor tissues reduces their accumulation in tumors and results in reduced tumor growth. This highlights how targeting the migration of detrimental cell types could be used to help in controlling tumor growth in cancer patients. Read more in this issue on page 1337. Original image from Figure 6C. Artwork by Lewis Long.



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