Cancer Immunology Research

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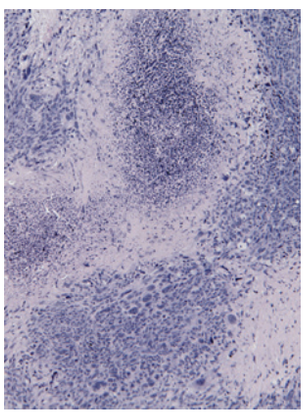
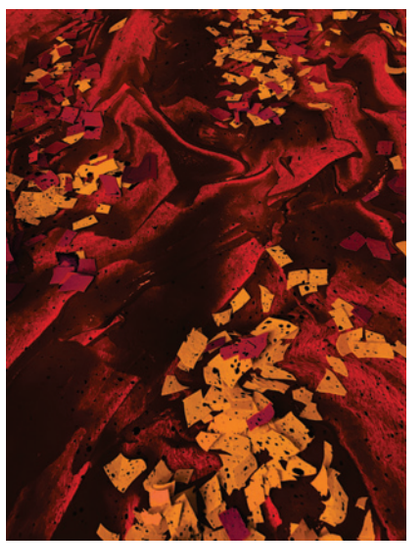
ABOUT THE COVER

Human papilloma virus (HPV) is associated with several malignancies, especially cervical and head and neck cancers. Vaccines are being used to treat various cancers, but with limited success. Atherton et al. demonstrate a promising approach that may provide more consistent antitumor responses. They infected mice with the oncolytic Maraba virus, which selectively infects and lyses tumor cells, while also acting as a vaccine, based on attenuated HPV E6 and E7 transforming proteins. Antigen-specific CD8$^+$ T cells were activated, HPV$^+$ tumors eradicated, and memory induced. This one-two punch strategy may overcome the immunosuppression of advanced disease. Read more in this issue starting on page 847. The micrograph is a hematoxylin-eosin stain of a TC1 tumor harvested from a vaccine-treated mouse. Artwork by Lewis Long.





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