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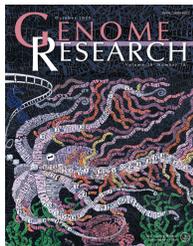
Pan-cancer multi-omics analysis and orthogonal experimental assessment of epigenetic driver genes 1517^{OA}

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Genome variation and population structure among 1142 mosquitoes of the African malaria vector species *Anopheles gambiae* and *Anopheles coluzzii* 1533^{OA}

The *Anopheles gambiae* 1000 Genomes Consortium

^{OA}Open Access paper



Cover *Art of Epigenetics*. A deep dive underwater (aqueous state of the cell) uncovers epigenetic modifying enzymes (writers, readers, and editors) dynamically modulating the tentacles of the octopus (octamer of histones), and hiding the origins of cancer (crab). In this issue, epigenetic regulator genes that, when deregulated, are candidate cancer drivers (i.e., “epidrivers”) were identified in a pan-cancer analysis of (epi)genomic and transcriptomic alterations across 33 cancer types. Epidriver potential was validated in orthogonal in vitro CRISPR-Cas9 screens. This study revealed epidrivers within and across malignancies with shared driver mechanisms operating across multiple cancer types conferring traits associated with the hallmarks of cancer. (Cover artwork is a portion of an acrylic/gouache painting on canvas by Zdenko Herceg, <http://herceg-artist.blogspot.com>. [For details, see Halaburkova et al., pp. 1517–1532.]