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ABOUT THE COVER

In this issue, Manca and colleagues (beginning on page 225) demonstrate for the first time the molecular link between alcohol consumption and the progression of prostate cancer. Using both human tissue, from non-alcoholic or alcoholic patients, and ethanol-fed animals, the authors demonstrate that ethanol is able to enhance the proliferation of prostate cancer cells and their metastatic potential. Specifically, they found that ethanol-induced Golgi fragmentation is associated with the relocation of glycogen synthase kinase β (GSK3β) from Golgi to the cytoplasm, thus activating the HDAC6-HSP90-AR pathway. The cover image shows that the fluorescence signal of GSK3β (red) segregated from Golgi membranes (stained by giantin, green) in the tissue section from a patient with prostate adenocarcinoma (Gleason 10).