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Cover image: The figure on the cover (from Pacheco et al, page 2140) illustrates acridine orange staining of L929 cells as a probe of the lysosomal compartment during cellular events in necrosis. In untreated, intact cells, acridine orange shows granular orange fluorescence, which represents lysosomal staining. Coupling lysosomal staining with methods to detect the intracellular localization of cathepsin L and DNA topoisomerase I can provide insights into cellular changes during necrosis and the mechanisms for generating potentially immunogenic fragments from topoisomerase I by cleavage by lysosomal enzymes.