Die hard - use a detergent!

Lysosomal membrane permeabilization - a cellular suicide strategy

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Poster number: 60
What is a cell?

• the basic structural, functional and biological unit of all known organisms
• constantly works to stay alive
• and like any living thing it dies
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Example 1

Example 2

I'm gonna blow my nucleus out

Example 3

Example 4
Lysosome + LLOMe
Accumulation of LLOMe
Polymerization
Membrane permeabilization
pH ~ 5
pH ~ 7
in ~ 15 minutes
Cathepsin C

Cell death in a few hours
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