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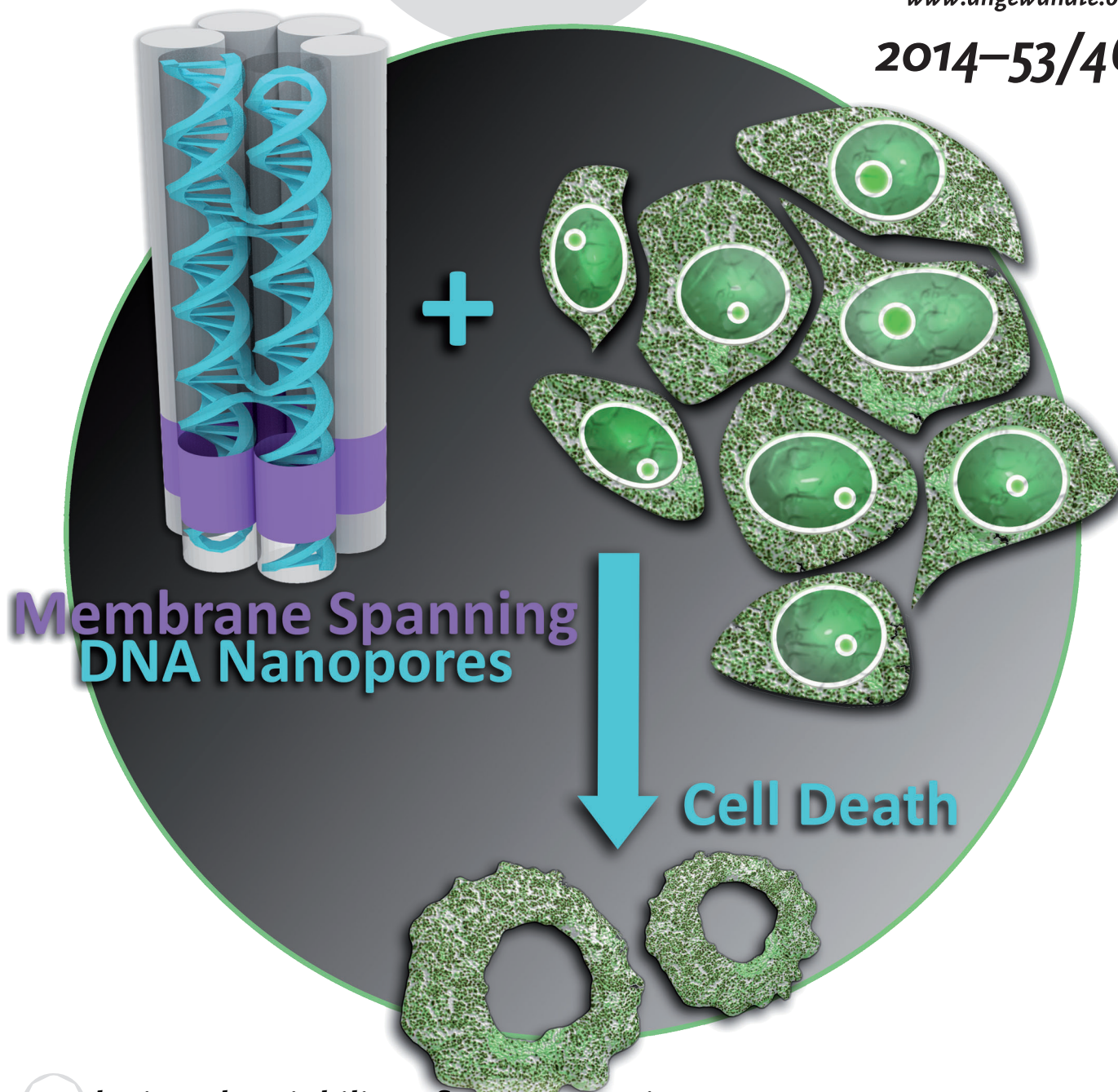
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Reducing the viability of cancerous tissues ...

... is relevant in biomedicine and basic research. In their Communication on page 12466 ff., S. Howorka et al. show that cancer cells can be killed by rupturing their plasma membrane with DNA nanopores. The piercing of cells only occurs when the DNA pores carry an outer hydrophobic belt for bilayer insertion. Future development will pave the way for targeting specific cancer types or for the more general shuttling of drugs into cells.

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