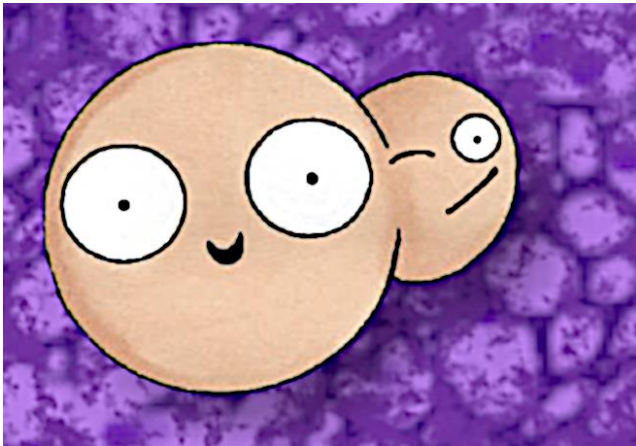


memBrane

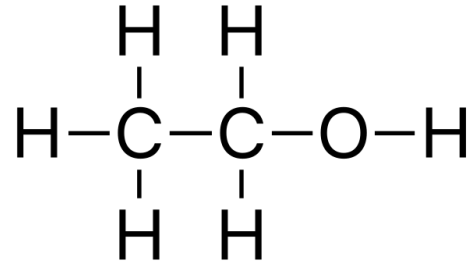
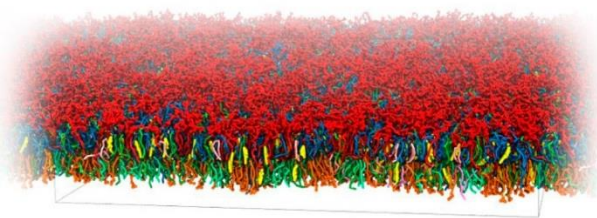


MEmbrane Modification for BiopRocess enhANcemEnt

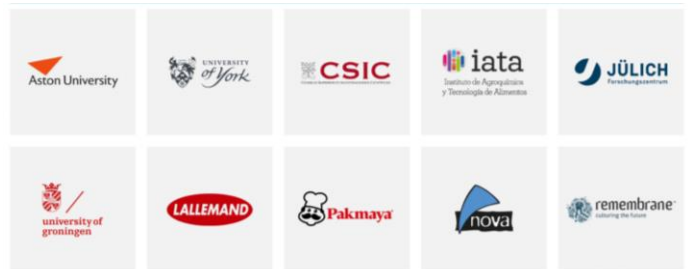
Industrial biotechnology is used to convert low value materials or waste into high-value chemicals using microbes such as bacteria and yeast.



However, these products are often toxic to the organisms that produce them. One part of cells that can be damaged is the membrane that normally protects them from the environment.



To counter this, MeMBrane will engineer the cell membrane using a powerful combination of molecular and cellular techniques. This will make these biotechnology processes more efficient, reducing the reliance on fossil fuels and helping to reduce climate change.



MeMBrane brings together five international academic institutions with world-leading biotechnology companies Lallemand and Pakmaya.

✉ MeMBrane@aston.ac.uk

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