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Exploiting the catalytic power of enzymes for oxy- and amino-functionalization reactions

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Propositions

1. The rising necessity of sustainable approaches in the chemical industry brought scientists to get inspiration from Nature.
2. Nowadays, chemists can benefit from a broad enzyme toolbox, which has been greatly enlarged by discovering new enzymes and the power of protein engineering technologies.
3. The highly promiscuous character of 4-oxalocrotonate tautomerase enables the construction of multi-step biocatalytic cascades with a single multifunctional enzyme.
4. Being an independent scientist does not mean working alone; it means being able to seek help when needed and ask the right questions to the right people to troubleshoot a scientific problem.
5. Love, sacrifice, perseverance, and courage are the features that being a mother and a scientist have in common.
6. Most of the time, failures raise new questions that bring new knowledge.
7. It is better to take a risk and fail than not to take any risk and regret it.
8. We should embrace our mistakes more often, learn from them and not blame ourselves for not being perfect.