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Title: Bridging the world of enzymes with electric fields

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PRESENTATION CONTENT

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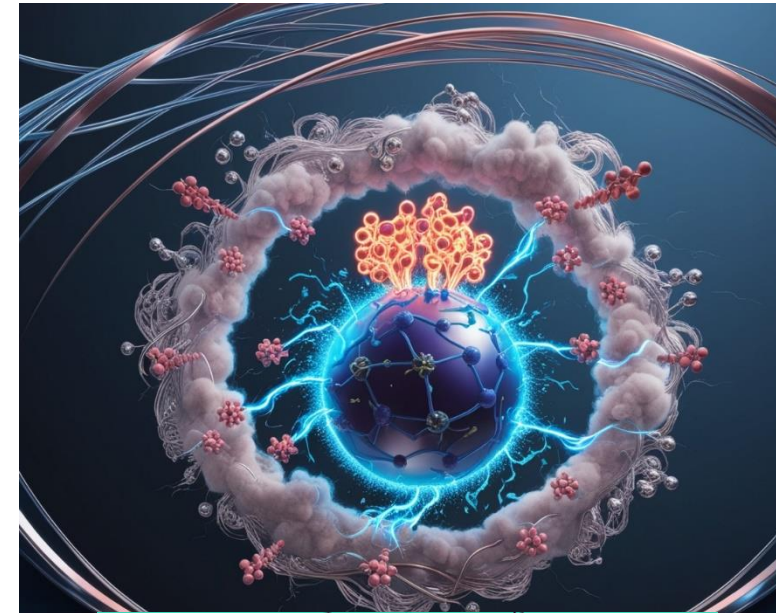
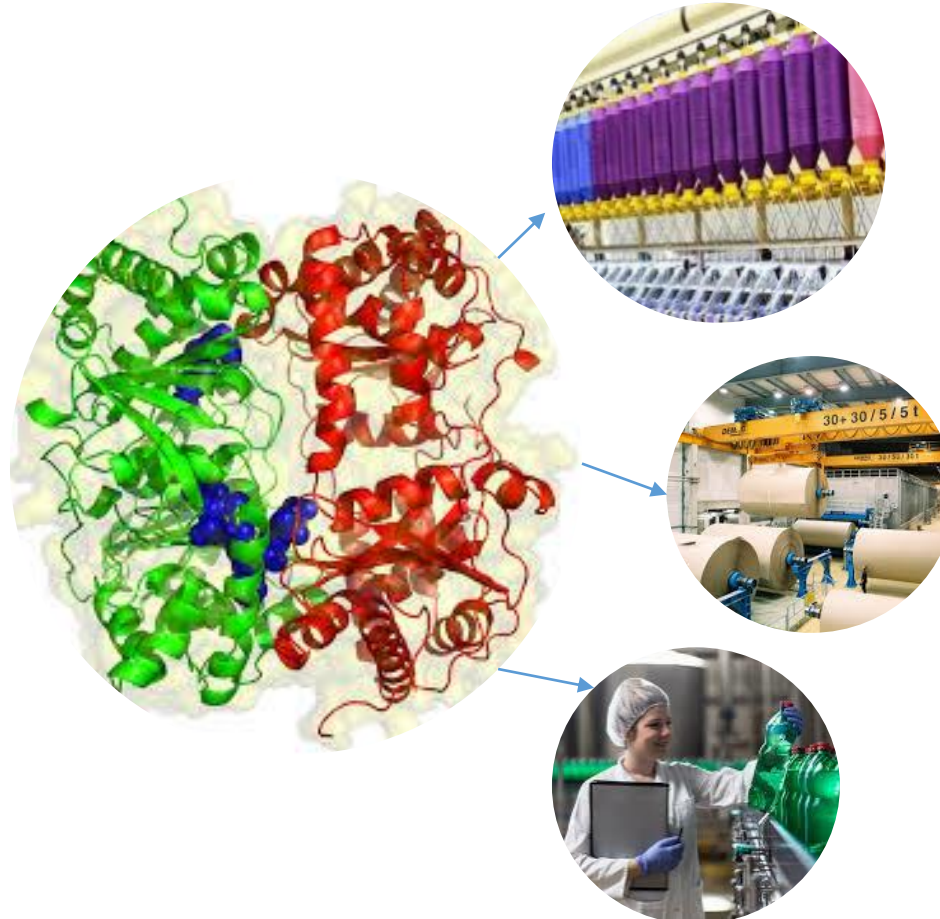
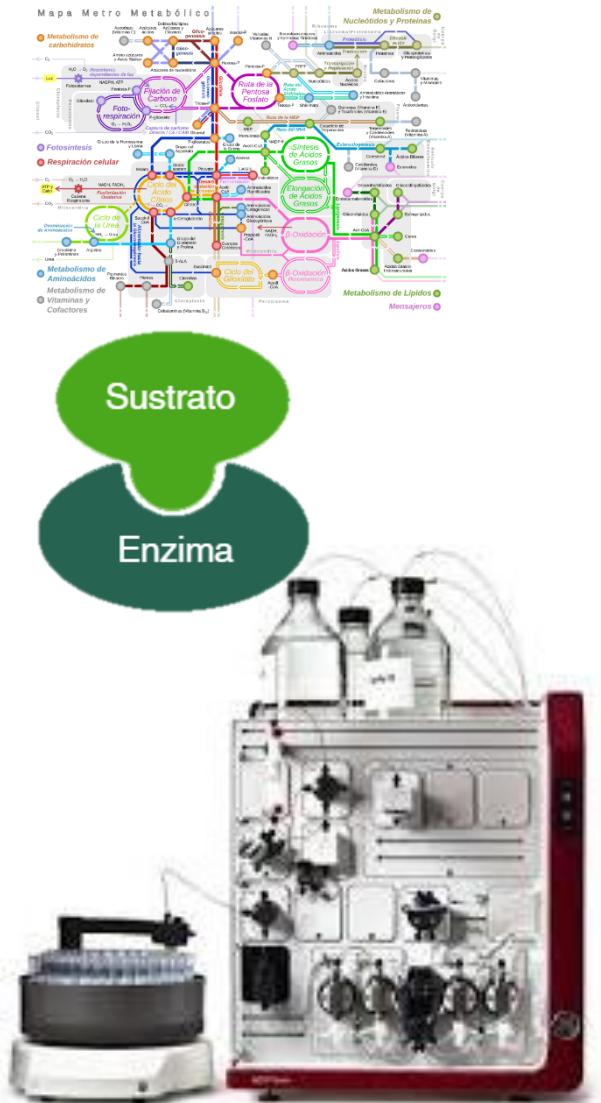
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Introducción

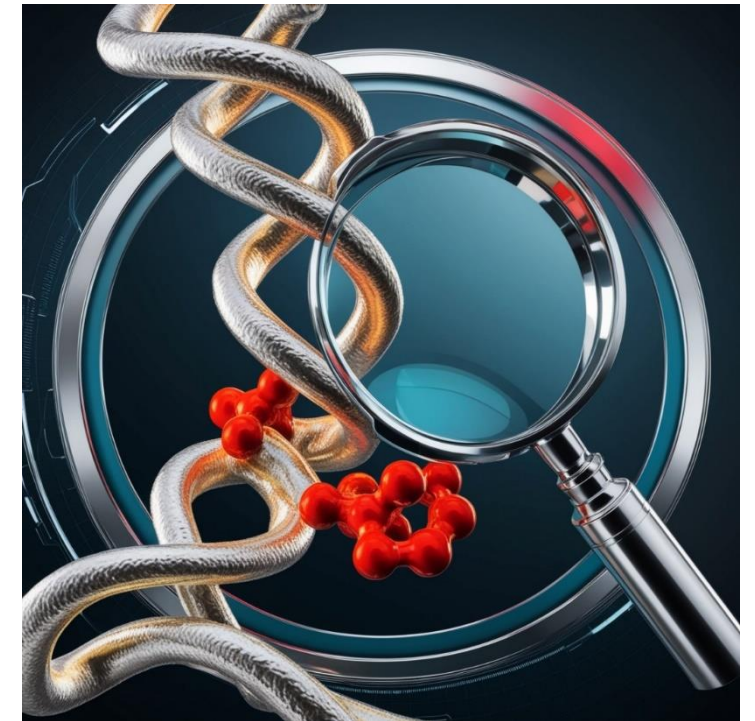
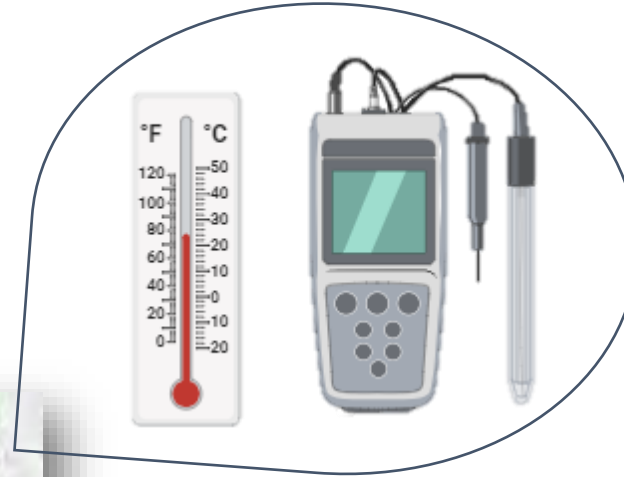
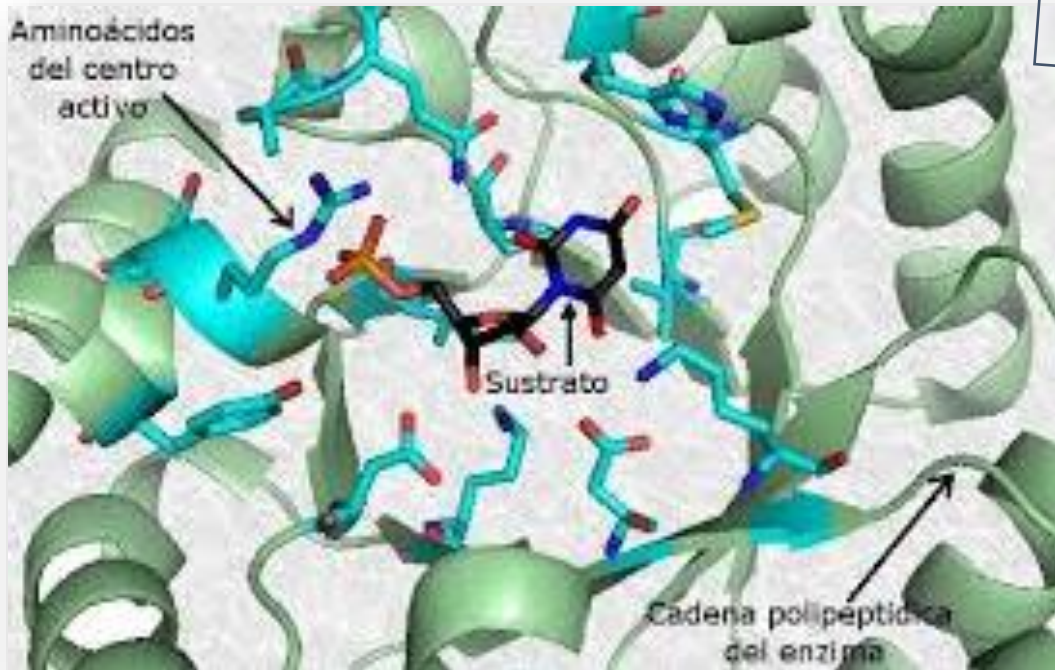
Potencial para modificar la reactividad y selectividad de enzimas



(Colello *et al.*, 2003; Lewczuk *et al.*, 2014; Nigam, 2013)

Metodología

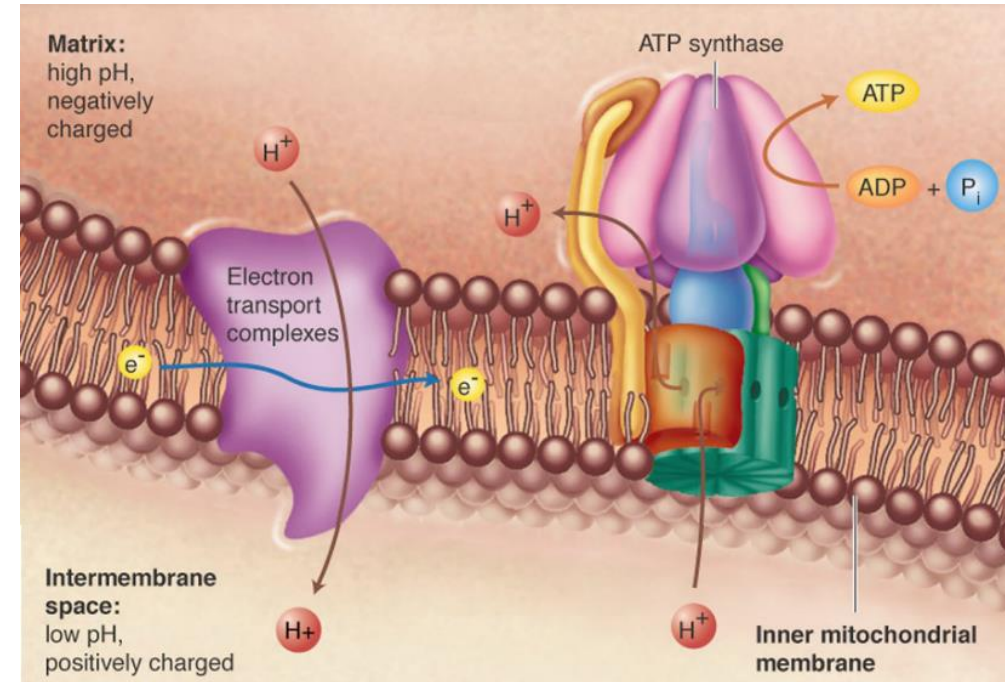
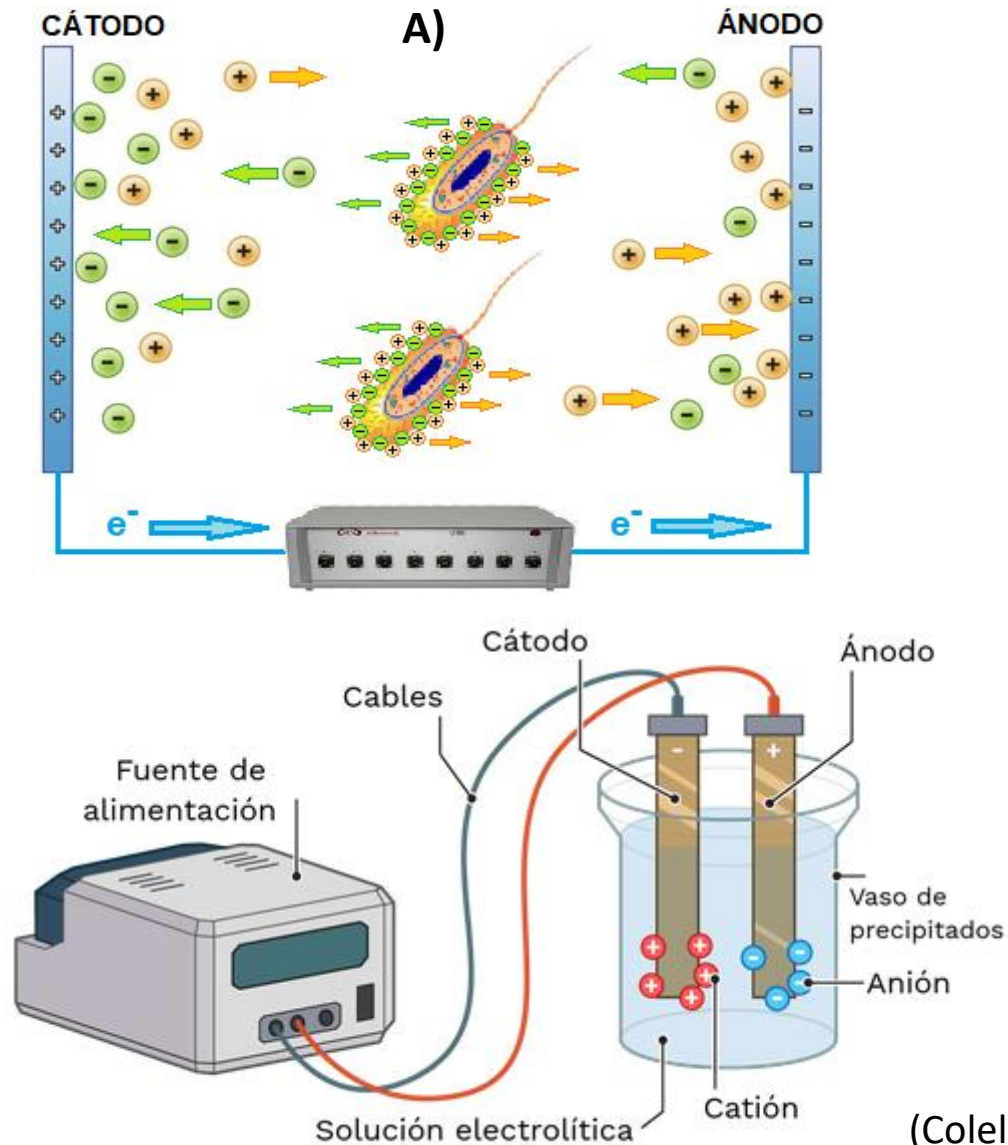
Termodinamica



Inducir cambios en la estructura enzimática y su actividad catalítica.

(Aledo & Medina, 2019; Fried et al., 2014; Stark 1913)

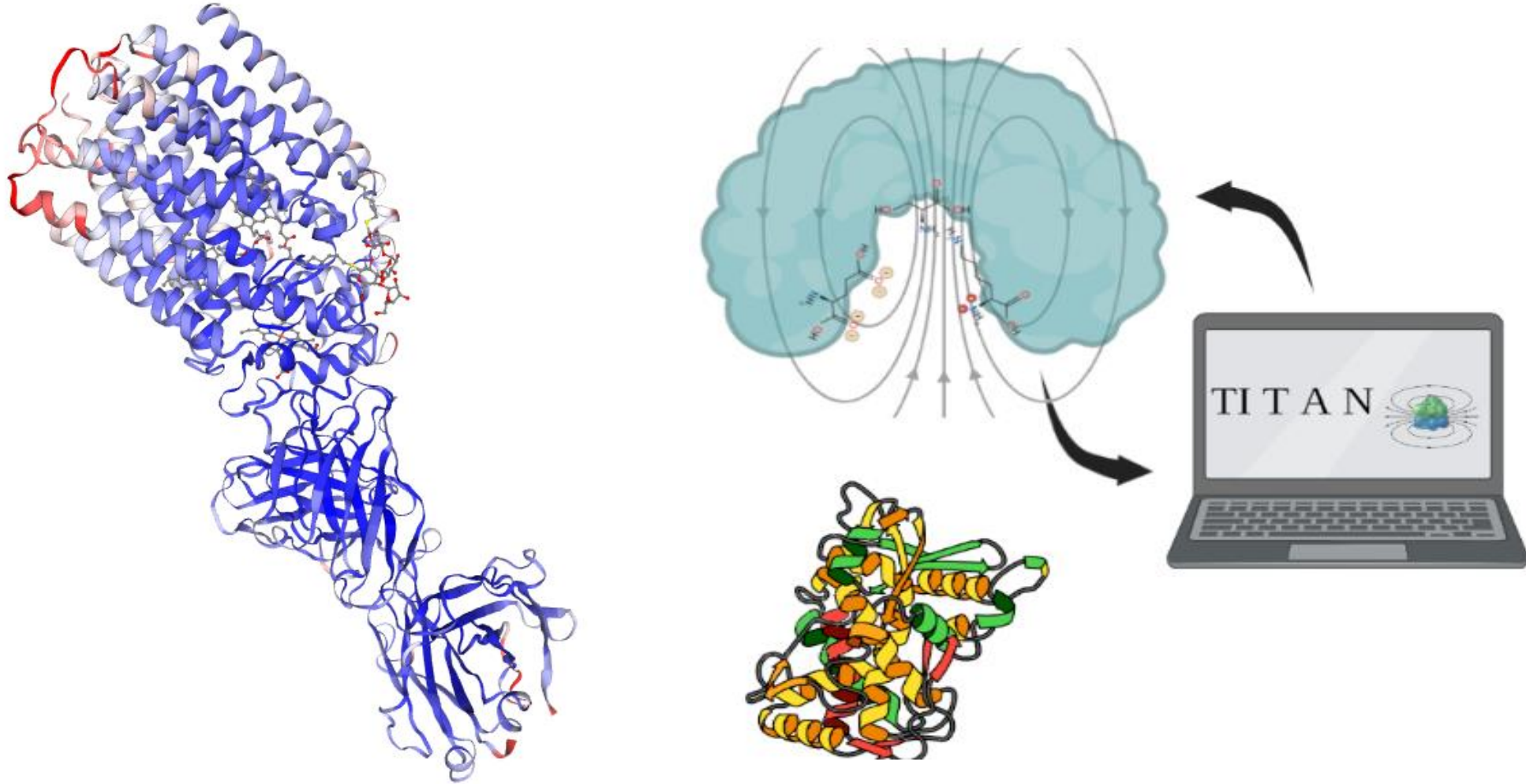
Resultados



- Oxidorreductasas
- Mecanismos de transporte de e^-
- Flavinas, Fe-S, Cu, grupos hemo

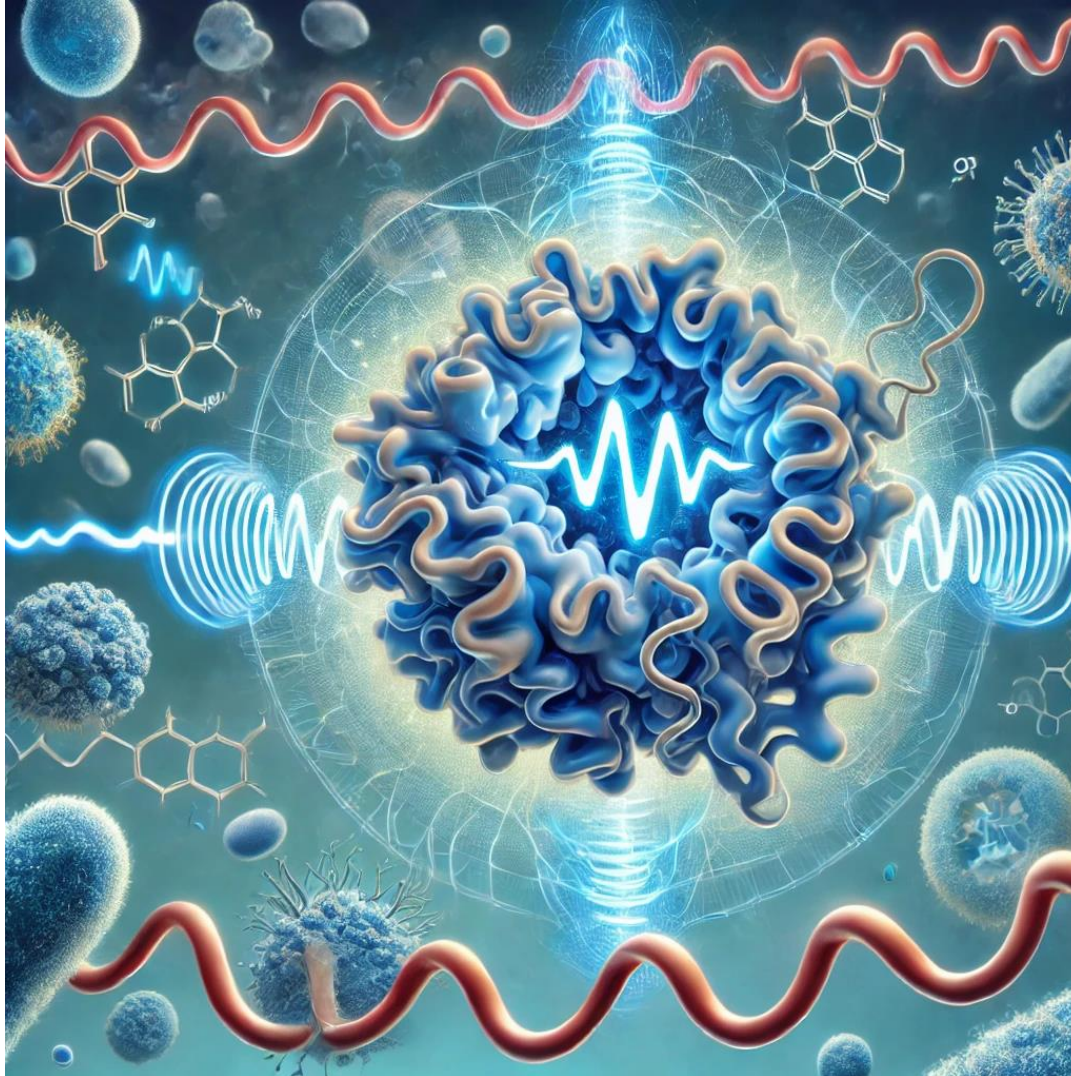
(Colello & Alexander, 2003; Stuyver et al., 2020; Vaissier-Welborn, 2024)

Resultados



(Davis *et al.*, 2021; Gonella *et al.*, 2021)

Conclusiones



- Modelos de estudio
- Herramienta prometedora para control de los procesos

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