

11<sup>th</sup> July  
2024 3pm CEST

# ItPS Seminars

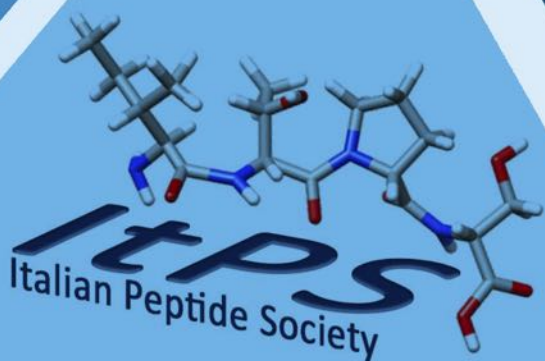
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## **PNAs as tools for supramolecular reactions**

Peptide nucleic acids (PNAs) are nucleic acids mimics possessing a poly-amidic backbone conferring biological and chemical stability while enhancing target discrimination and complex stability properties. Due to their strong binding affinity and sequence selectivity towards complementary nucleic acids, PNAs are widely employed in molecular biology and diagnostics.

Furthermore, leveraging the specificity and stability of PNA-based interactions, highly organized structures can be created and exploited to promote or catalyze chemical reactions. Here we will present the results obtained in proximity-induced reactions and the application of a recently discovered chemistry to peptide macrocyclization.



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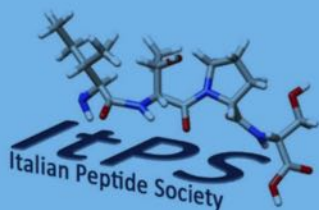


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