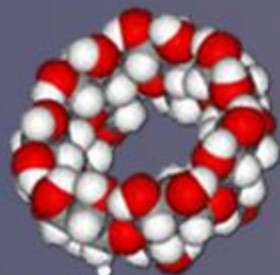


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CyD polymers for the delivery of multiple  
therapeutic agents to treat severe diseases

**Elisabetta Pancani and Ilse Manet**

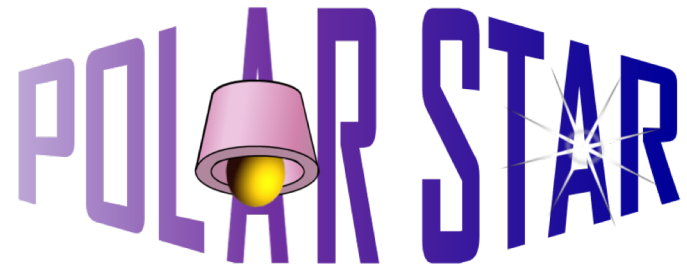
**Institute for Organic Synthesis and Photoreactivity**

**National Research Council**

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# Polymeric cyclodextrin-based nanoparticles for combination therapy of CRPC

by Elisabetta Pancani in the period 2019-2021



Financial support provided by “POLAR STAR” H2020-MSCA-IF-2018-843014



# Conclusions

Work concluded:

- ❖ The p $\beta$ CyD polymer resulted to be the best performing polymer
- ❖ p $\beta$ CyD is able to solubilize both types of drugs, BIC, ENZ and CBX up to 0,1 mM and more increasing the polymer amount in solution
- ❖ p $\beta$ CyD can encapsulate contemporarily both drugs and the photosensitizer Ce6

Work in progress:

- ❖ Toxicity of the polymer alone with and without Ce6
- ❖ Assessment of the efficacy of the triple formulation compared to single polymer formulations on cells and in mice



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