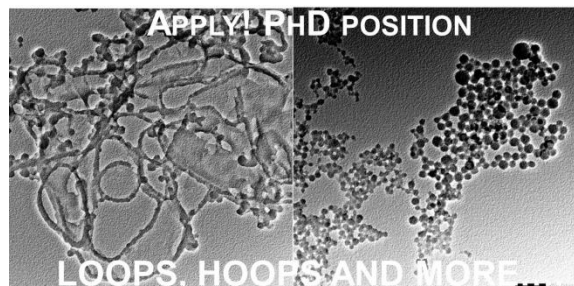


## PHD offer

Interested in making hoops, loops and other interesting self-assemblies? We have a fully funded PhD position for you in chemically fueled supramolecular architectures.



**Starting:** 01/12/2023.

**Application deadline:** 15/09/2023.

**Where:** Institute of Advanced Materials, Universitat Jaume I, Castelló, Spain.

**Requirement:** Master degree.

**Background:** Organic chemistry and synthesis, supramolecular chemistry.

**About the project:** The work will be focused on discovery of new reaction cycles to control out of equilibrium assembly and disassembly of a range of complex supramolecular structures. Please visit the website and/or email directly for more specific details (info below).

### Related papers

- 1- Singh and co-workers. Chemically fueled Autonomous SOL→GEL→SOL→GEL→SOL Transitions. 2023, *Angewandte Chemie Int. Ed.* doi.org/10.1002/anie.202301529.
- 2- Singh and Hermans and co-workers. Chemically Fueled Self-Sorted Hydrogels, 2022, *Journal of the American Chemical Society*, 144, 1, 410-415.
- 3- Singh and Hermans and co-workers. Re-Programming Hydrogel Properties Using a Fuel-Driven Reaction Cycle, 2020, *Journal of the American Chemical Society*, 142 (9), 4083-4087.
- 4- Singh et al. Devising Synthetic Reaction Cycles for Dissipative Non-equilibrium Self-assembly, 2020, *Advanced Materials*, 32 (20), 1906834.

Please visit website (<https://www.singhlabinam.com/>) for more information, and email directly to [nsingh@uji.es](mailto:nsingh@uji.es).

For application we need:

- a motivation letter explaining your research experience, current research interests and reasoning why you think you would be a good fit for this position (max. 1 page)
- CV (max. 4 pages)

Please submit your application with “**DYMSAS-PhD2023**” in the subject line.