

PhD Research Position in Chemically Fueled Non-equilibrium Supramolecular Systems.

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

Duration: 3+1 years

Funding: Fully funded by CIDEAGENT programme for PRONESS- Programmable Non-Equilibrium Self-assembling Systems.

Starting: As soon as possible in 2023 (01/01/2023).

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 supramolecular structures, hydrogels and materials. Please visit the website and/or email directly for more specific details (info below).

Related papers

- 1- Singh and Hermans and co-workers. Chemically Fueled Self-Sorted Hydrogels, **2022**, *Journal of the American Chemical Society*, 144, 1, 410-415.
- 2- 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.
- 3- Singh et al. Devising Synthetic Reaction Cycles for Dissipative Non-equilibrium Self-assembly, **2020**, *Advanced Materials*, 32 (20), 1906834.

Application deadline: 01/12/2022.

Please visit website (<https://www.singhlabinam.com/>) for more information, and email directly to nsingh@uji.es before 01/12/2022.

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 “**PRONESS- PhD**” in the subject line.