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## Cover

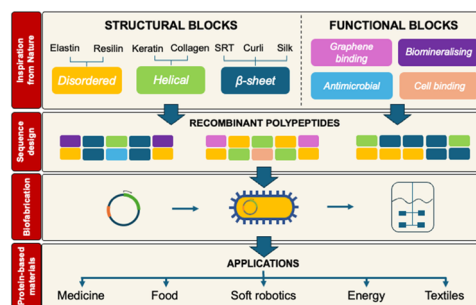
See Mrigendra Dubey *et al.*, pp. 1210–1214.  
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## REVIEW

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## Molecular design of protein-based materials – state of the art, opportunities and challenges at the interface between materials engineering and synthetic biology

Ebony Shire, André A. B. Coimbra, Carlos Barba Ostria, Leonardo Rios-Solis\* and Diego López Barreiro\*

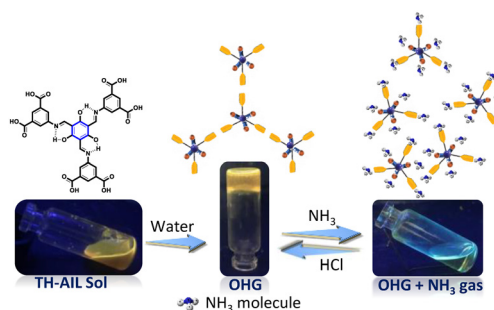


## COMMUNICATION

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## Dual responsive fluorescence switching of organohydrogel towards base/acid

Manish Kumar Dixit, Moupia Mukherjee, Bharat Kumar Sahu, Abul Kalam and Mrigendra Dubey\*



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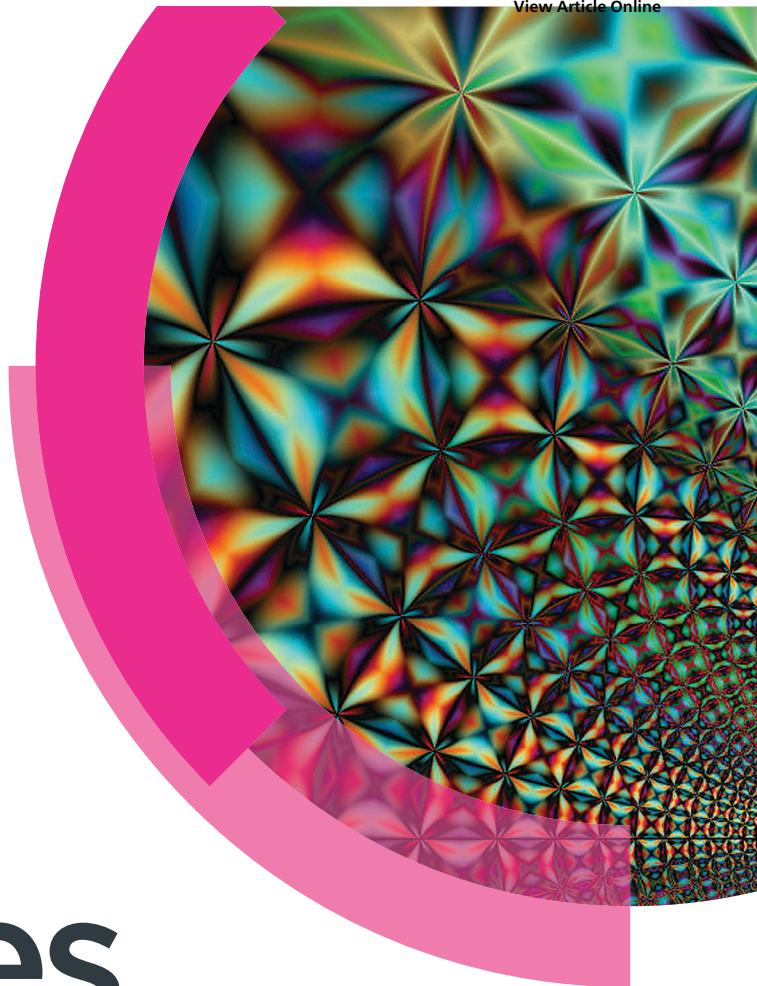
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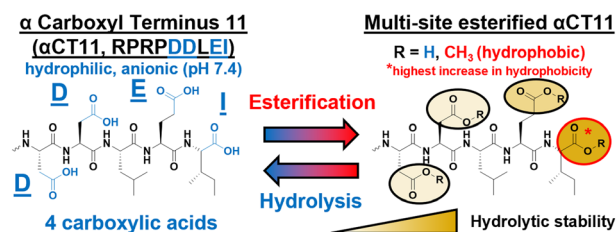
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## Multi-site esterification: a tunable, reversible strategy to tailor therapeutic peptides for delivery

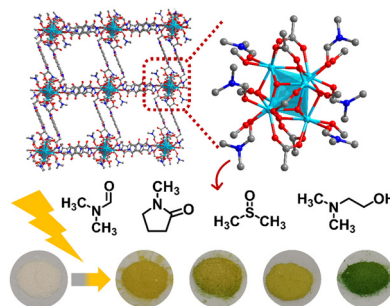
Mark S. Bannon, Jeffrey F. Ellena, Aditi S. Gourishankar, Spencer R. Marsh, Dilza Trevisan-Silva, Nicholas E. Sherman, L. Jane Jourdan, Robert G. Gourdie and Rachel A. Letteri\*



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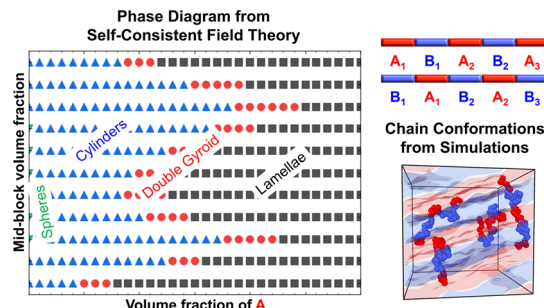
Youcong Li, Jiahao Dong, Yue Zhao, Lei Gao, Yu-Hao Gu and Shuai Yuan\*



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## Self-consistent field theory and coarse-grained molecular dynamics simulations of pentablock copolymer melt phase behavior

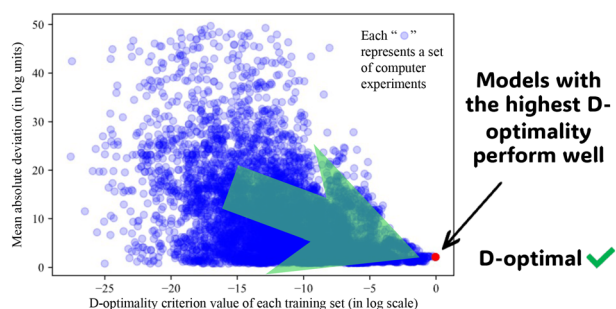
So Jung Park, Tristan Myers, Vinson Liao and Arthi Jayaraman\*



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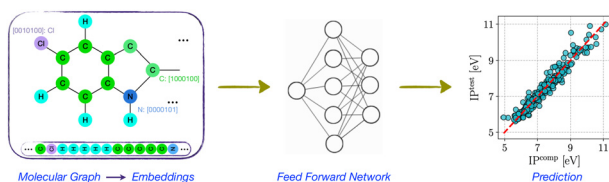
## On the design of optimal computer experiments to model solvent effects on reaction kinetics

Lingfeng Gui, Alan Armstrong, Amparo Galindo, Fareed Bhasha Sayyed, Stanley P. Kolis and Claire S. Adjiman\*



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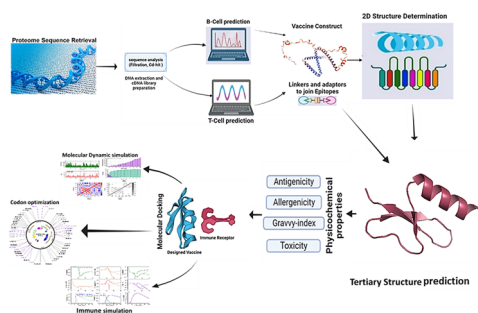
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Denish Trivedi, Kalyani Patrikar and Anirban Mondal\*

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Syed Luqman Ali, Awais Ali, Waseef Ullah, Asifullah Khan,\* Elham Mohammed Khatri, Abdul Malik, Aigul Abduldayeva, Aliya Baiduissenova, Hind Jaber Althagafi and Deema Fallatah

