



日時:2022年10月3日(月)15:00-17:00,場所:本館N棟5階N531C Oct. 3 (Mon.) 15:00~17:00 @N531, Main Building

Lecture 1: Prof. Apurba K. Das (Indian Institute of Technology Indore) Chemical reactions directed evolution of dynamic soft biomaterials



The use of native chemical ligation and enzyme catalyzed dynamic chemical reactions to synthesize/functionalize small peptides in the formation of self-assembled self-supporting hydrogel will be presented. The dynamic boronate esters and imino-boronate esters mediated Gquadruplex hydrogel in different biomedical applications will also be described.

Lecture 2: Prof. Thomas Wirth (Cardiff University, United Kingdom) Intensification and Electrification of Flow Chemistry



The advantages of increased mixing of biphasic reaction mixtures in flow offers great potential compared to conventional flask techniques, especially when combined with microwave irradiation or phase transfer catalysis. The presentation will also illustrate that metalcatalyzed reactions and enzyme-promoted transformations can be performed advantageously in biphasic systems. The development of a microreactor for electrochemistry including several applications will be discussed.

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