Nature product is known as an endless resource for organic synthesis as well as drug discovery [1]. Despite numerous synthetic efforts devoted to this field, practical synthesis toward promising drug leads remains a formidable challenge. Efficient strategies in combination of novel synthetic methods are still highly desirable. In this presentation, we will discuss our recent progress towards the efficient synthesis of selected polyketides, which show intriguing chemical structure and biological activities. Novel chemical transformations have been developed to address challenging problems being encountered during the synthesis event [2,3]. This presentation will cover enzymatic catalysis, synthetic method development as well as devising efficient strategy (a bioinspired approach in particular) to complete the total synthesis of complex polyketides.

### References:


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**CBC SEMINAR ANNOUNCEMENT**

**Professor Ran Hong**

Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences

**Natural Product on Demand: A Bioinspired Approach**

Date: 29th August 2018 (Wednesday)
Time: 11:00am – 12:30pm
Venue: SPMS Research & Graduate Studies Office Conference Room
Host: Assoc Professor Naohiko Yoshikai