

## Report of Lectureship Tour in Japan, July 2-June 8, 2017

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### SCHEDULE:

July 02, Arrive at Sendai;

July 03, visit and lecture at Tohoku University, (Host Prof. Yoshiharu Iwabuchi);

July 04, Move from Sendai to Tokyo;

July 05, visit and lecture at Tokyo Institute of Technology, (Host Prof. Ken Tanaka);

July 06, visit and lecture at Tokyo University of Agriculture and Technology, (Host Prof. Hiroki Oguri);

July 07, visit and lecture at RIKEN, (Host Prof. Prof. Zhaomin Hou);

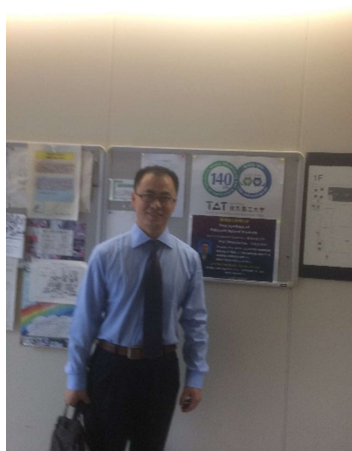
July 08, Return to Shanghai

Lecture title: Natural Products Total Synthesis Using Photo-reactions (at Tohoku University, TIT and RIKEN)

Lecture title: Total Synthesis of Polycyclic Natural Products (at TUAT)



Tohoku University,



TUTA

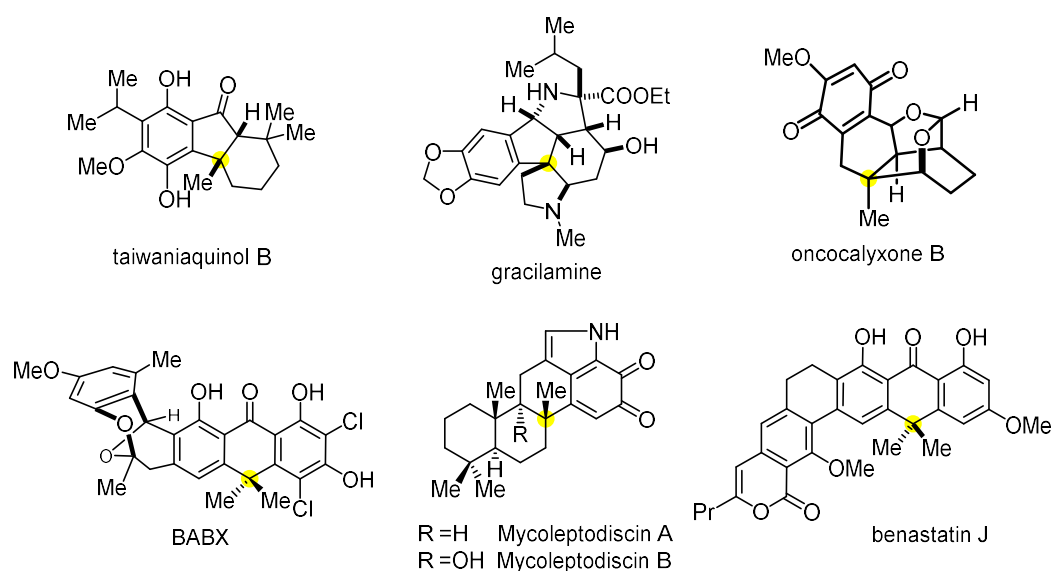


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## Lecture abstract:

The chemical synthesis of structurally interesting and biologically relevant natural products has served as a driving force for developing new methodologies, testing the scope of existing synthetic methods. It also provides the platform for the further identification of their specific biological targets and mechanistic mode of action. Our research interests are devoted to develop synthetic useful methodologies to address natural target molecules that have novel molecular structure, potent biological activity, and the potential for mechanistic studies.

In this presentation, I will introduce our recent progress in the development of photo-induced reactions, including photo-Nazarov and photoenolization/Diels–Alder (PEDA) reaction and their synthetic applications in natural products total synthesis.



**Figure 1.** Target Molecules