

CBC SEMINAR ANNOUNCEMENT



Professor Kenji Mori
University of Tokyo

Bioactive Natural Products and Chirality

Mori's synthetic works on bioactive natural products in general and pheromones in particular started about forty years ago to establish their absolute configurations and also to clarify their stereochemistry-bioactivity relationships. Results indicate that bioactive natural products are not always enantiomerically pure, and the stereochemistry-bioactivity relationships are not simple but complicated. For example, neither (*R*)- nor (*S*)-sulcatol, the aggregation pheromone of an ambrosia beetle, is behaviorally bioactive, while their mixture is active. In the case of olefin, the sex pheromone of the olive fruit fly, its (*R*)-isomer is active against the males, and the (*S*)-isomer activates the females. Recent synthesis of new insect pheromones will be discussed to illustrate the modern methods in enantioselective synthesis..

Date:	1st February 2012 (Wednesday)
Time:	10:30am – 12:00pm
Venue:	NTU SPMS CBC Building Level 2, Conference Room
Host:	Professor Koichi Narasaka