

Natural Product Power Symposium: Natural Products That Control Biological Phenomena

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Every organism on the earth uses secondary metabolites (natural products) for its own survival. From the ancient times, human beings have used natural resources as foods, clothing fibers, dye pigments, perfumes, hunting poisons, and in recent years also used for pharmaceuticals, animal therapeutics, agricultural chemicals, antibiotics for fish cultivation, and functional food. In this way, natural products are indispensable for human life, and the field of Natural Product Chemistry research is extremely broad. Organizers of this symposium have held "Natural Product Power Symposium" series, 4 times in the past: (1) "Monotori (= 'isolation of natural products'), synthesis, function analysis" (2008, Yokohama), (2) "Exquisiteness of monotori" (2010, Okayama), (3) "Learning from nature" (Sapporo), and (4) "Overseas field study and natural products" (2014, Tokyo). The 5th symposium will focus on "Natural products that control biological phenomena". Natural products (secondary metabolites) play essential roles for unknown biological phenomena. Four symposists are the leading scientists who have outstanding achievements in elucidation of biological phenomena, isolation of bioactive substances, and total synthesis of natural products. This symposium intends to be a platform for discussing the future of this research area from a broad perspective and leading to the development of new possibilities.