

**RESUME**

**POSITIONS HELD**

2010	Actelion chair (Ecole Nationale Supérieure de Chimie Mulhouse, France)
2003 to currently	Associate Professor, Nagasaki University (Japan)
1993 to 2003	Assistant Professor, Hokkaido University (Japan)

**EDUCATIONS**

1988	BS in Chemistry, Keio University, Tokyo (Japan)
1993	PhD in Chemistry, Keio University, Tokyo (Japan) (supervisor: Professor Kin-ichi Tadano)
1999-2000	Post-doc, Columbia University, New York (USA) (supervisor: Professor Koji Nakanishi)

**RESEARCH ACTIVITIES**

1. Total synthesis of biologically active natural products
2. New methodology for formation of C-C bond by pericyclic reactions

Organic chemistry, particularly synthetic chemistry of natural products, would play an important role for the 21st medicinal chemistry as well as the chemistry elucidating biological phenomenon. I focus on the synthesis of biological active natural products, such as marine natural toxins, and highly oxidized terpenes. Pericyclic reactions are powerful tool for construction of carbon framework of the biologically active products. For purpose, new methodology of Diels-Alder and Claisen rearrangement was studied. For example, new variant of Reformatsky-Claisen rearrangement mediate by indium chloride was examined.

**AWARDS & HONORS:**

1. Presentation Awards for young chemists, The Chemical Society of Japan (1999).
2. Research Planning Award, The Society of Synthetic Organic Chemistry, Japan (2005).