

# Taiki Umezawa, Ph. D.

Associate Professor  
Faculty of Environmental Earth Science, Hokkaido University  
N10W5 Kita-ku Sapporo Hokkaido, 060-0810, Japan  
Phone: +81-11-706-2358  
Email: umezawa@ees.hokudai.ac.jp



## **Education**

2001 B. Sc., Osaka City University, Osaka, Japan  
(Supervisor Prof. Yasufumi Ohfuné)  
2006 Ph. D., Osaka City University, Osaka, Japan.  
(Supervisor Prof. Yasufumi Ohfuné)

## **Research Careers**

2006-2007 Postdoc, The Scripps Research Institute, La Jolla, USA  
(Supervisor Prof. K. C. Nicolaou)  
2008-2012 Assistant Professor, Hokkaido University, Sapporo, Japan  
(Collaboration with Prof. Fuyuhiko Matsuda)  
2013-Present Associate Professor, Hokkaido University, Sapporo, Japan  
(Collaboration with Prof. Fuyuhiko Matsuda)

## **Award**

2015 Young Chemist Award from the Chemical Society of Japan, Hokkaido Branch

## **Presentative Papers**

1. Total Synthesis of 5,6,11-Trideoxytetradotoxin and Its 4-Epimer  
T. Umezawa, T. Hayashi, H. Sakai, H. Teramoto, T. Yoshikawa, M. Izumida, Y. Tamatani,  
T. Hirose, Y. Ohfuné, T. Shinada  
*Organic Letters*, **2006**, 8, 4971-4974.
2. Synthesis of the QRSTU Domain of Maitotoxin and Its 85-*epi*- and 86-*epi*-Diastereomers  
K. C. Nicolaou, C. F. Gelin, J. H. Seo, Z. Huang, T. Umezawa  
*Journal of the American Chemical Society*, **2010**, 132, 9900-9907.
3. Asymmetric Total Synthesis of Danicalipin A and Evaluation of Biological Activity  
T. Umezawa, M. Shibata, K. Kaneko, T. Okino, F. Matsuda  
*Organic Letters*, **2011**, 13, 904-907.
4. Omaezallene from Red Alga *Laurencia* sp. : Structure Elucidation, Total Synthesis and Antifouling Activity  
T. Umezawa, Y. Oguri, H. Matsuura, S. Yamazaki, M. Suzuki, E. Yoshimura, T. Furuta, Y. Nogata, Y.  
Serisawa, K. Matsuyama-Serisawa, T. Abe, F. Matsuda, M. Suzuki, T. Okino  
*Angewandte Chemie International Edition*, **2014**, 53, 3909-3912.