

Curriculum Vitae

Yasuaki Kimura

Assistant Professor

Nagoya University, Department of Chemistry

Graduate School of Science

Tel: +81-(0)52-789-2950

Fax: +81-(0)52-789-2491

Email: y-kimura[at]chem.nagoya-u.ac.jp

Education/Career

- | | |
|-----------------|---|
| 2008/3 | B.Sc
Department of Pharmaceutical Sciences
The University of Tokyo (Prof. Masakatsu Shibasaki) |
| 2010/3 | M.Sc
Graduate School of Pharmaceutical Sciences
The University of Tokyo (Prof. Masakatsu Shibasaki) |
| 2013/3 | Ph.D (Pharmaceutical Sciences)
Graduate School of Pharmaceutical Sciences
The University of Tokyo (Prof. Motomu Kanai) |
| 2013/4 – 2015/6 | ERATO Project Researcher
Graduate School of Pharmaceutical Sciences
ERATO Kanai Life-Science Catalysis Project
The University of Tokyo (Prof. Motomu Kanai) |
| 2015/4 – 2015/6 | Specially Appointed Assistant Professor
Graduate School of Pharmaceutical Sciences
The University of Tokyo (Prof. Motomu Kanai) |
| 2015/7– present | Assistant Professor
Graduate School of Science, Department of Chemistry
Nagoya University (Prof. Hiroshi Abe) |

Fellowships

2010/4 – 2013/3 Research Fellow of the Japan Society for the Promotion of Sciences (DC1)

Memberships

2011 Elected Member of the Otsu Conference (since 2010 to present)*

The Pharmaceutical Society of Japan

The Chemical Society of Japan

The Society of Synthetic Organic Chemistry of Japan

The Japanese Society for Chemical Biology

Publication List

1) Yamatsugu, K.; Yin, L.; Kamijo, S.; Kimura, Y.; Kanai, M.; Shibasaki, M.

“A synthesis of Tamiflu based on a barium-catalyzed Diels-Alder-type reaction”

Angew. Chem. Int. Ed. **2009**, *48*, 1070. (featured by *Synfacts* **2009**, 702.)

2) Morita, M.; Drouin, L.; Motoki, R.; Kimura, Y.; Fujimori, I.; Kanai, M.; Shibasaki, M.

“Two Methods for Catalytic Generation of Reactive Enolates Promoted by a Chiral Poly Gd Complex: Application to Catalytic Enantioselective Protonation Reactions”

J. Am. Chem. Soc. **2009**, *131*, 3858. (featured by *Synfacts* **2009**, 626.)

3) Kimura, Y.; Yamatsugu, K.; Kanai, M.; Echigo, N.; Kuzuhara, T.; Shibasaki, M.

“Design and synthesis of immobilized Tamiflu analog on resin for affinity chromatography”

Tetrahedron Lett. **2009**, *50*, 3205. (50 th Anniversary Special Issue)

4) Kimura, Y.; Yamatsugu, K.; Kanai, M.; Echigo, N.; Kuzuhara, T.; Shibasaki, M.

“Design and Synthesis of Resin-Conjugated Tamiflu Analogs for Affinity Chromatography”

Bull. Korean. Chem. Soc. **2010**, *31*, 588. (dedication issue to Professor Sunggak Kim).

5) Hiasa, M.; Isoda, Y.; Kishimoto, Y.; Saitoh, K.; Kimura, Y.; Kanai, M.; Shibasaki, M.;

Hatakeyama, D.; Kirino, Y.; Kuzuhara, T.

“Inhibition of MAO-A and stimulation of behavioural activities in mice by the inactive prodrug form of the anti-influenza agent oseltamivir”

British J. Pharmacology **2013**, *169*, 115.

* http://www.banyu-zaidan.or.jp/banyu_symp/symp/otsu/otsu.html

6) Kimura, Y.; Ito, S.; Shimizu, Y.; Kanai, M.

“Catalytic Anomeric Aminoalkynylation of Unprotected Aldoses”

Org. Lett. **2013**, *15*, 4130.

7) Kimura, Y.; Saito, N.; Hanada, K.; Liu, J.; Okabe, T.; Kawashima, S. A.; Yamatsugu, K.; Kanai, M.

“Supramolecular Ligands for Histone Tails by Employing a Multivalent Display of Trisulfonated Calix[4]arenes”

ChemBioChem **2015**, *16* (18), 2599.

8) Maruyama, H.; Oikawa, R.; Hayakawa, M.; Takamori, S.; Kimura, Y.; Abe, N.; Tsuji, G.;

Matsuda, A.; Shuto, S.; Ito, Y.; Abe, H.

“Chemical ligation of oligonucleotides using an electrophilic phosphorothioester”

Nucleic Acids Research **2017**, *45*, 7042

9) Shishido, Y.; Tomoike, F.; Kimura, Y.; Kuwata, K.; Yano, T.; Fukui, K.; Fujikawa, H.; Sekido,

Y.; Murakami-Tonami, Y.; Kameda, T.; Shuto, S.; Abe, H.

“A covalent G-site inhibitor for glutathione S-transferase Pi (GSTP1-1)”

Chemical Communications **2017**, *accepted*, DOI: 10.1039/C7CC05829B

Presentations at International Conferences (○: Presenter)

1) ○Yasuaki Kimura, Kenta Saito, Kenzo Yamatsugu, Motomu Kanai, Noriko Echigo, Takashi Kuzuhara, Masakatsu Shibasaki

“DESIGN AND SYNTHESIS OF RESIN-CONJUGATED TAMIFLU ANALOGS FOR AFFINITY CHROMATOGRAPHY”

22nd International Symposium on Chirality (Chirality 2010; ISCD-22) [PB-45: Poster presentation]

Sapporo Convention Center, Hokkaido, JAPAN; July 12-15, 2010

2) ○Yasuaki Kimura, Soichi Itoh, Yohei Shimizu, Motomu Kanai

“A CATALYTIC AMINOALKYNYLATION REACTION TO UNPROTECTED ALDOSES”

13th Belgian Organic Synthesis Symposium (BOSS XIII) [P112: Poster presentation]

Leuven, Belgium; July 15-20, 2012

3) ○Yasuaki Kimura, Soichi Itoh, Tomohiro Yamamoto, Yohei Shimizu, Motomu Kanai

“A Catalytic Aminoalkynylation Reaction to Unprotected Aldoses”

The 7th International Forum on Chemistry of Functional Organic Chemicals [P-30 Poster presentation]

The University of Tokyo, Tokyo, JAPAN; November 18-19, 2012