Curriculum Vitae

Yuki Yamanashi

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Education/Career

2020.3 **BS**

Department of Pharmaceutical Sciences, The University of Tokyo

Under the supervision of Prof. Motomu Kanai

2022.3 **Master**

Graduate School of Pharmaceutical Sciences, The University of Tokyo

Under the supervision of Prof. Motomu Kanai

2023.4-2024.1 **Project Assistant Professor**

Graduate School of Pharmaceutical Sciences, The University of Tokyo

Under the supervision of Prof. Motomu Kanai

2024.2-present **Assistant Professor**

Graduate School of Pharmaceutical Sciences, The University of Tokyo

Under the supervision of Prof. Motomu Kanai

Fellowship & Grants

2022.4-2023.8 JSPS Research Fellowship for Young Scientists (DC1) [fellowship]

2023.9-2025.3 JSPS Grant-in-Aid for Research Activity Start-up #23K19423 [research grant]

2024.3 薬学振興会 基礎的研究助成 [research grant]

2024.10-2027.3 JST ACT-X #JPMJAX242K [research grant]

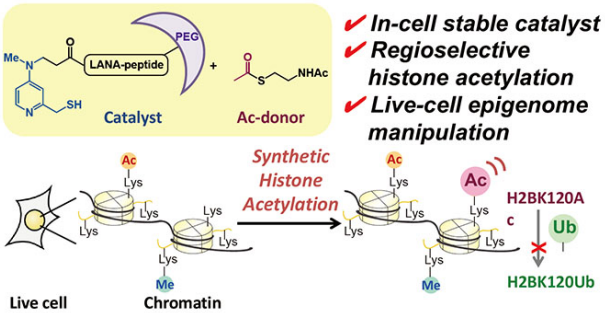
Publication

1. Fujiwara, Y.; **Yamanashi, Y.**; Fujimura, A.; Sato, Y.; Kujirai, T.; Kurumizaka, H.; Kimura, H.; Yamatsugu, K.*; Kawashima, S. A.*; Kanai, M.*

   "Live-cell epigenome manipulation by synthetic histone acetylation catalyst system"

   Proc. Natl. Acad. Sci. U.S.A. **2021**, *118*, 4, e2019554118.

   *Highlighted by UT press release and Department News release.



2. **Yamanashi, Y.**; Kanai, M.

   "Chemical catalyst-promoted regioselective histone acylation"

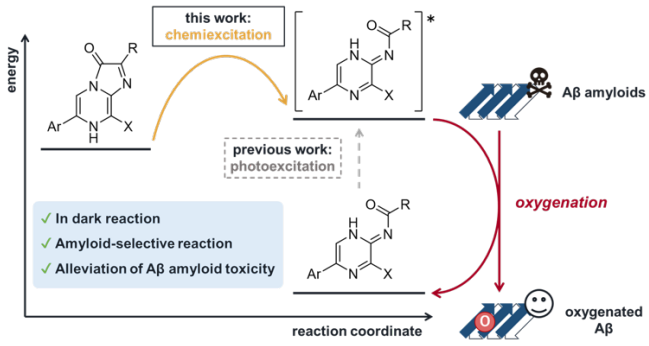
   Supramolecular Catalysis: New Directions and Developments **2021**, Wiley.

3. Umeda, H.; Suda, K.; Yokogawa, D.; Azumaya, Y.; Kitada, N.; Maki, S. A.; Kawashima, S. A.; Mitsunuma, H.; **Yamanashi, Y.**; Kanai, M.*

   “Unimolecular Chemiexcited Oxygenation of Pathogenic Amyloids”

   Angew. Chem. Int. Ed. **2024**, e202405605.

   *Highlighted by Department News release and 化学.

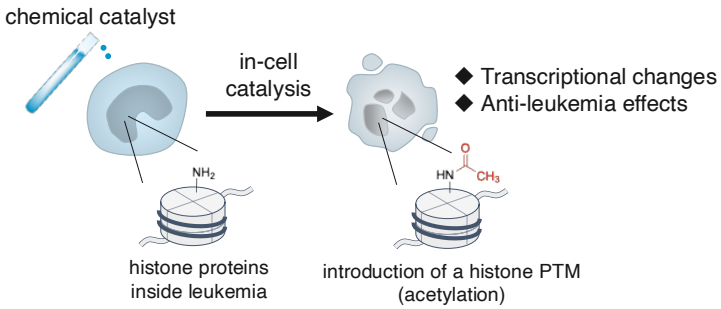


4. Xu, M.; **Yamanashi, Y.**; Kanai, M.*

   “Spectral control of photoenzyme through allosteric chromophore tuning”

   Chem **2025**, *11*, 102430.

5. **Yamanashi, Y.**; Takamaru, S.; Okabe, A.; Kaito, S.; Azumaya, Y.; Kamimura, Y.; Yamatsugu, K.; Kujirai, T.; Kurumizaka, H.; Iwama, A.; Kaneda, A.; Kawashima, S. A.*; Kanai, M.*
"Chemical catalyst manipulating cancer epigenome and transcription"
Nature Communications **2025**, *16*, 887.
* Highlighted by UT press release and Department News release.



References

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