

Taka Sawazaki

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Wakayama Medical University
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Education/career

March 2017 **B. Sc.** in School of Materials and Chemical Technology
Tokyo Institute of Technology (Assoc. Prof. Kuwata Shigeki)
March 2019 **M. Sc.** in Department of Pharmaceutical Sciences
The University of Tokyo (Prof. Kanai Motomu)
March 2022 **Ph. D. Course** in Department of Pharmaceutical Sciences
The University of Tokyo (Prof. Kanai Motomu)
April 2021 **Assistant Professor**, The School of Pharmaceutical Science
Wakayama Medical University (Prof. Sohma Youhei)

Fellowship

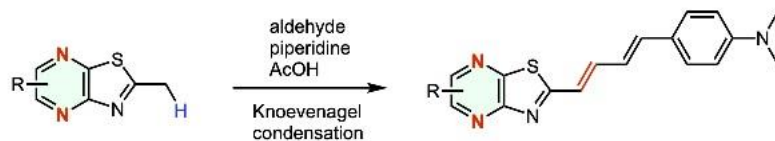
2020-2021 Research Fellow of the Japan Society for the Promotion of Sciences (DC2)
[fellowship]
2021-2023 JSPS Grant-in-Ais for Research Activity Start-up

Award

June 2019 Poster Presentation Award (The 14th Annual Meeting of Japanese Society for
Chemical Biology, Nagoya)
October 2019 Poster Presentation Award (The 56th Japanese Peptide Symposium, Tokyo)

Publication List

7) **Taka Sawazaki**, Youhei Sohma,* Motomu Kanai,*
“Knoevenagel condensation between 2-methyl-thiazolo[4,5-b]pyrazines and aldehydes.” *Chem. Pharm. Bull.*, **2022**, 70, 82–84.



2-methyl-thiazolo[4,5-b]pyrazines

6) Patricia Bondia, Joaquim Torra, Caterina M. Tone, **Taka Sawazaki**, Adrián del Valle, Begoña Sot, Santi Nonell, Motomu Kanai*, Youhei Sohma*, Cristina Flors*

"A nanoscale view of amyloid photodynamic damage"

J. Am. Chem. Soc. **2020**, *142*, 922-930

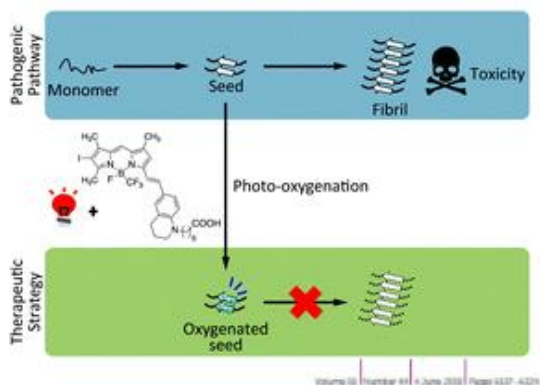


5). Takanobu Suzuki[#], Yukiko Hori[#], **Taka Sawazaki**[#], Yusuke Shimizu, Yu Nemoto, Atsuhiko Taniguchi, Shuta Ozawa, Youhei Sohma*, Motomu Kanai*, Taisuke Tomita* (#contributed equally)

"Photo-oxygenation inhibits tau amyloid formation"

Chem. Commun., **2019**, *55*, 6165-6168.

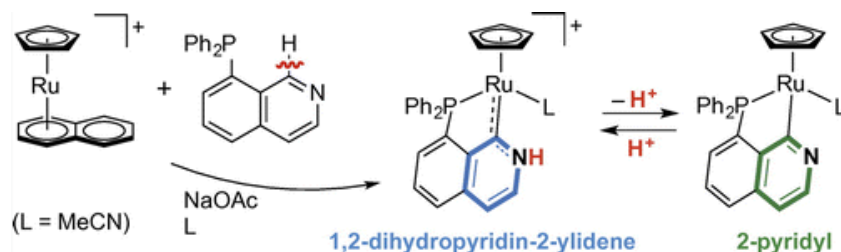
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4) Naoto Tashima, **Taka Sawazaki**, Yoshihito Kayaki*, Shigeki Kuwata*

"A P–C Chelate, Protic 1,2-Dihydropyridin-2-ylidene Ruthenium Complex Synthesis, Structure, and Reversible Deprotonation"

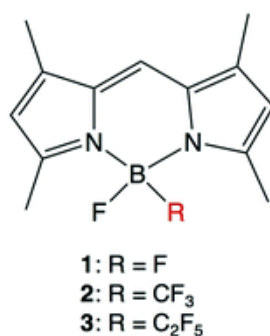
Chem. Lett., **2019**, *48*, 787-790.



3) Atsuhiko Taniguchi, **Taka Sawazaki**, Yusuke Shimizu, Youhei Sohma*, Motomu Kanai*,

"Photophysical properties and application in live cell imaging of B,B-fluoro-perfluoroalkyl BODIPYs"

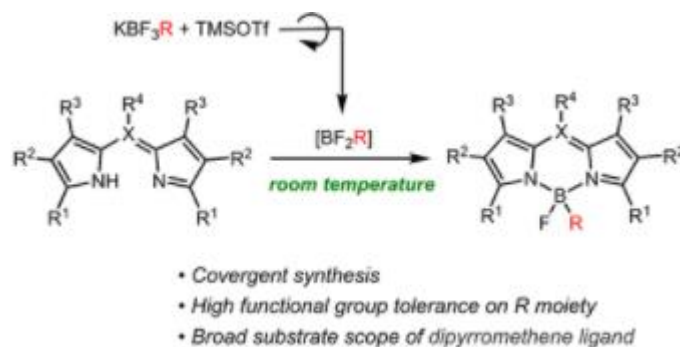
MedChemCommun, **2019**, *10*, 1121-1125.



2) **Taka Sawazaki**, Yusuke Shimizu, Kounosuke Oisaki, Youhei Sohma*, Motomu Kanai*,

"Convergent and Functional-Group-Tolerant Synthesis of B-Organo BODIPYs"

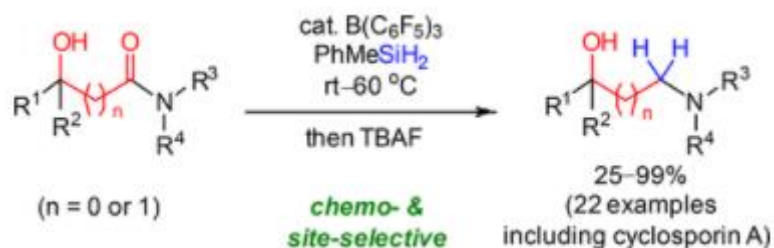
Org. Lett., **2018**, *20*, 7767-7770.



1) Jizhi Ni[#], Tsubasa Oguro[#], **Taka Sawazaki**, Youhei Sohma*, Motomu Kanai* (#contributed equally)

"Hydroxy Group Directed Catalytic Hydrosilylation of Amides"

Org. Lett., **2018**, *20*, 7371-7374.



Presentation in International Conference

1) **Taka Sawazaki**, Takanobu Suzuki, Yusuke Shimizu, Yu Nemoto, Atsuhiko Taniguchi, Shuta Ozawa, Yukiko Hori, Taisuke Tomita, Youhei Sohma, Motomu Kanai,

"Development of BODIPY-based photo-oxygenation catalyst that inhibits tau amyloid formation"

27th International Society of Heterocyclic Chemistry Congress, Kyoto, September