

Curriculum Vitae

PERSONAL INFORMATION

Name: Sota Yagi
Date of birth: 24. 9. 1988
Country: JAPAN
Email Address: sota.yagi@riken.jp
Contact: Room C516, 1-7-22 Suehiro-cho, Tsurumi-ku, Yokohama City, Kanagawa
230-0045, Japan. Tel: +81-(0)45-503-9459

PUBLICASHIONS

Total Publications: 7 | Total Citations: 23 | Google Scholar h-index: 3

1. Yagi S., Padhi AK., Vucinic J., Barbe S., Schiex T., Nakagawa R., Simoncini D, Zhang KYJ., Tagami S., Seven Amino Acid Types Suffice to Create the Core Fold of RNA Polymerase. *J. Am. Chem. Soc.*, 143(39): pp 15998-16006 (2021)
2. Harada M., Nagano A., Yagi S., Furukawa R., Yokobori S., Yamagishi A., Planktonic adaptive evolution to the sea surface temperature in the Neoproterozoic inferred from ancestral NDK of marine cyanobacteria. *Earth and Planetary Science Letters*. 522: pp 98–106 (2019)
3. Yagi S., Akanuma S., Yamagishi M., Uchida T., Yamagishi A., Creation of artificial protein-protein interactions using α -helices as interfaces. *Biophys. Rev.* 10(2): pp 411–420 (2018)
4. Yagi S., Akanuma S., Kaji A., Niiro H., Akiyama H., Uchida T., Yamagishi A., Selection of a platinum-binding sequence in a loop of a four-helix bundle protein, *J. Biosci. Bioeng.* 125(2): pp 192-198 (2018)
5. Yagi S., Akanuma S., Yamagishi M., Uchida T., Yamagishi A., "De novo design of protein–protein interactions through modification of inter-molecular helix–helix interface residues" *Biochim. Biophys. Acta –Prot. and Proteom.* 1864(3): pp 479-487 (2016)
6. Yagi S., Akanuma S., Yamagishi A., "Addition of negatively charged residues can reverse the decrease in the solubility of an acidic protein caused by an artificially introduced non-polar surface patch." *Biochim. Biophys. Acta –Prot. and Proteom.* 1844(3): pp 553-560 (2014)
7. Sugii T., Akanuma S., Yagi S., Yagyuu K., Shimoda Y., Yamagishi A., "Characterization of the low-temperature activity of *Sulfolobus tokodaii* glucose-1-dehydrogenase mutants." *J. Biosci. Bioeng.*, 118(4): pp 367-371 (2014)

WORK EXPERIENCE

RIKEN, Center for Biosystems Dynamics Research, Lab. for Advanced Biomolecular Engineering
Postdoctoral researcher, May 2018–present

Kogakuin University, School of Advanced Engineering
Part-time teacher in Biology, June 2018–present

Tokyo University of Pharmacy and Life Sciences, Department of Applied Life Sciences, Lab. Extremophiles

Postdoctoral researcher, April 2016–March 2018

Waseda University, Faculty of Human Sciences, Lab. Life Sciences for Extremophiles

Part-time teacher in Environmental microbiology, April 2015–present