

# Curriculum Vitae

## PERSONAL INFORMATION

**Name:** Sota Yagi  
**Date of birth:** 24. 9. 1988  
**Sex:** male  
**Country:** JAPAN  
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## CAREER

**RIKEN, Center for Biosystems Dynamics Research, Lab. for Advanced Biomolecular Engineering**  
Postdoctoral researcher, May 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

## EDUCATION

**Tokyo University of Pharmacy And Life Sciences, Tokyo, Japan**

Doctor of Life Science, March 2016

Master of Life Science, March 2013

Bachelor of Life Science, March 2011

## SKILLS

Recombinant DNA techniques

Protein biochemistry techniques (purification and other canonical analyzing techniques)

Atomic force microscopy

Transmission electron microscopy

## PUBLICASHIONS

Yagi S., Akanuma S., Yamagishi M., Uchida T., Yamagishi A., Creation of artificial protein-protein interactions using  $\alpha$ -helices as interfaces. *Biophys. Rev.* 10(2): pp 411–420 (2018)

Yagi S., Akanuma S., Kaji A., Niuro 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)

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* 1864(3): pp 479-487 (2016)

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* 1844(3): pp 553-560 (2014)

Sugii T., Akanuma S., Yagi S, Yagyu 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)

Yagi, S., Akanuma, S., Kaji, A., Niro, H., Akiyama, H., Uchida, T., Yamagishi, A., Selection of a platinum-binding sequence in a loop of a four-helix bundle protein. Submitted to *Journal of Bioscience and Bioengineering*.

## **TEACHING EXPERIENCE**

2011–2013:	Teaching Assistant, Tokyo University of Pharmacy and Life Sciences
2013–2016:	Researching Assistant, Tokyo University of Pharmacy and Life Sciences
2015 and 2016:	Invited lecturer, Waseda University

## **AWARDS**

Jan 2016:	Wakasyati encourage prize
Dec 2015:	Young scientist award, BMB2015
Dec. 2013:	Kunitaro Nagai memorial award