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DATE OF BIRTH: 19 October 1982
NATIONALITY: Japanese

RESEARCH EXPERIENCE:
RIKEN CLST, Molecular Network Control Factors Development Unit, 2015–present.
Unit Leader

MRC Laboratory of Molecular Biology, PNAC, 2012–2015.
Postdoctoral researcher

RIKEN Systems and Structural Biology Center, 2010–2012.
Postdoctoral researcher

EDUCATION:
Ph.D. Biophysics and Biochemistry, University of Tokyo, March 2010
M.S. Biophysics and Biochemistry, University of Tokyo, March 2007
B.S. Biophysics and Biochemistry, University of Tokyo, March 2005

FELLOWSHIP:
HFSP Long-Term Fellowship 2013–2015
JSPS Postdoctoral Fellowship for Research Abroad, 2012
Scholarship for Master's and Doctoral program students by JASSO, 2006–2010
Scholarship for research assistants by JSPS Global COE Program, 2007–2010
Iwadare Scholarship, 2007

GRANT:
JSPS Grants-in-Aid for Scientific Research, Challenging Exploratory Research, FY2016–FY2017
JSPS Grants-in-Aid for Young Scientists, FY2011

PUBLICATION:

1.

Simple peptides derived from the ribosomal core potentiate RNA polymerase ribozyme function

Shunsuke Tagami, James Attwater and Philipp Holliger

Nature Chemistry, **9**, 325–332 (2017)

2.

Structural basis for promoter specificity switching of RNA polymerase by a phage factor

Shunsuke Tagami, Shun-ichi Sekine, Leonid Minakhin, Daria Esyunina, Ryogo Akasaka, Mikako Shirouzu, Andrey Kulbachinskiy, Konstantin Severinov, and Shigeyuki Yokoyama

GENES & DEVELOPMENT, **28**, 521–531 (2014)

3.

Chemical fidelity of an RNA polymerase ribozyme

James Attwater, Shunsuke Tagami, Michiko Kimoto, Kyle Butler, Eric T. Kool, Jesper Wengel, Piet Herdewijn, Ichiro Hirao and Philipp Holliger

Chemical Science, **4**, 2804–2814 (2013).

4.

Crystal structure of bacterial RNA polymerase bound with a transcription inhibitor protein

Shunsuke Tagami, Shun-ichi Sekine, Thirumananseri Kumarevel, Nobumasa Hino, Yuko Murayama, Syunsuke Kamegamori, Masaki Yamamoto, Kensaku Sakamoto and Shigeyuki Yokoyama

Nature, **486**, 978-82 (2010).

5.

Crystallization and preliminary X-ray crystallographic analysis of *Thermus thermophilus* transcription elongation complex bound to Gfh1

Shunsuke Tagami, Shun-ichi Sekine, Thirumananseri Kumarevel, Masaki Yamamoto and Shigeyuki Yokoyama

Acta Crystallographica Section F, **66**, 64-8 (2010).

REVIEW:

1.

Structural basis of transcription by bacterial and eukaryotic RNA polymerases

Shun-ichi Sekine, Shunsuke Tagami and Shigeyuki Yokoyama

Current Opinion in Structural Biology, **22**, 110-118 (2012)

2.

A novel conformation of RNA polymerase sheds light on the mechanism of transcription

Shunsuke Tagami, Shun-ichi Sekine and Shigeyuki Yokoyama

transcription, **2**, 162-167 (2011).

REFERENCES: Available upon request.