



Shigeki Nagai

Basic Life Research Scientist, Structural Biology

Bio

HONORS AND AWARDS

- Postdoctoral fellowship, Swiss National Science Foundation (2009-2010)
- Long term fellowship, Human Frontier Science Program (HFSP) (2010-2013)

EDUCATION AND CERTIFICATIONS

- Ph.D, Friedrich Miescher Institute, Basel, Switzerland , Molecular Biology (2009)
- Master of Science, Kyoto University , Molecular Biology (2003)
- Bachelor of Science, Kyoto University , Pharmaceutical Sciences (2001)

Publications

PUBLICATIONS

- **Chromatin potentiates transcription.** *Proceedings of the National Academy of Sciences of the United States of America*
Nagai, S., Davis, R. E., Mattei, P. J., Eagen, K. P., Kornberg, R. D.
2017; 114 (7): 1536-1541
- **Tfb6, a previously unidentified subunit of the general transcription factor TFIID, facilitates dissociation of Ssl2 helicase after transcription initiation** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Murakami, K., Gibbons, B. J., Davis, R. E., Nagai, S., Liu, X., Robinson, P. J., Wu, T., Kaplan, C. D., Kornberg, R. D.
2012; 109 (13): 4816-4821
- **Nuclear organization in genome stability: SUMO connections** *CELL RESEARCH*
Nagai, S., Davoodi, N., Gasser, S. M.
2011; 21 (3): 474-485
- **Nuclear Geometry and Rapid Mitosis Ensure Asymmetric Episome Segregation in Yeast** *CURRENT BIOLOGY*
Gehlen, L. R., Nagai, S., Shimada, K., Meister, P., Taddei, A., Gasser, S. M.
2011; 21 (1): 25-33
- **Roles for nuclear organization in the maintenance of genome stability** *EPIGENOMICS*
Nagai, S., Heun, P., Gasser, S. M.
2010; 2 (2): 289-305
- **Posttranslational modifications of repair factors and histones in the cellular response to stalled replication forks** *DNA REPAIR*
Schleker, T., Nagai, S., Gasser, S. M.
2009; 8 (9): 1089-1100
- **The functional importance of telomere clustering: Global changes in gene expression result from SIR factor dispersion** *GENOME RESEARCH*

Taddei, A., Van Houwe, G., Nagai, S., Erb, I., van Nimwegen, E., Gasser, S. M.
2009; 19 (4): 611-625

● **Functional targeting of DNA damage to a nuclear pore-associated SUMO-dependent ubiquitin ligase** *SCIENCE*

Nagai, S., Dubrana, K., Tsai-Pflugfelder, M., Davidson, M. B., Roberts, T. M., Brown, G. W., Varela, E., Hediger, F., Gasser, S. M., Krogan, N. J.
2008; 322 (5901): 597-602