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Education/Career

2003(H.15) **B.Sc.** in Department of Biophysics & Biochemistry
The University of Tokyo (Prof. Masayuki Yamamoto)
2005(H.17) **M.Sc.** in Graduate School of Science, Biophysics & Biochemistry
The University of Tokyo (Prof. Yoshinori Watanabe)
2008(H.20) **Ph.D. (Science)**
Graduate School of Science, Biophysics & Biochemistry
The University of Tokyo (Prof. Yoshinori Watanabe)
2008(H.20)-2009(H.21) **Postdoctoral Associate**
Institute of Molecular and Cellular Biosciences,
The University of Tokyo (Prof. Yoshinori Watanabe)
2009(H.21)- 2012(H.24) **Postdoctoral Fellow**
Laboratory of Chemistry & Cell Biology
The Rockefeller University (Prof. Tarun Kapoor)
2012(H.24)-present **ERATO project Group Leader, Lecturer**
Graduate School of Pharmaceutical Sciences
ERATO Kanai Life-Science Catalysis Project
The University of Tokyo

Fellowships & Grants

2005-2008 JSPS Research Fellowship for Young Scientists (DC1)
2009-2011 JSPS Postdoctoral Fellow for Research Abroad
2011 Marie-Josée and Henry Kravis Fellowship Postdoctoral Fellowship
2012 Uehara Memorial Foundation, research fellowship

Awards

2010 Inoue Research Award for Young Scientists

Publication List

1. Kitajima TS, **Kawashima SA**, Watanabe Y. (2004). The conserved kinetochore protein shugoshin protects centromeric cohesion during meiosis. *Nature*, 427(6974):510-7.

2. Kitajima TS, Sakuno T, Ishiguro K, Iemura S, Natsume T, **Kawashima SA**, Watanabe Y. (2006). Shugoshin collaborates with protein phosphatase 2A to protect cohesin. *Nature*, 441(7089):46-52.

3. **Kawashima SA**, Tsukahara T, Langegger M, Hauf S, Kitajima TS, Watanabe Y. (2007). Shugoshin enables tension-generating attachment of kinetochores by loading Aurora to centromeres. *Genes Dev.* 21(4):420-35.

4. Hauf S, Biswas A, Langegger M, **Kawashima SA**, Tsukahara T, Watanabe Y. (2007). Aurora controls sister kinetochore mono-orientation and homolog bi-orientation in meiosis-I. *EMBO J.* (21):4475-86.

5. **Kawashima SA**, Yamagishi Y, Honda T, Ishiguro K, Watanabe Y. (2010). Phosphorylation of H2A by Bub1 prevents chromosomal instability through localizing shugoshin. *Science.* 327(5962):172-7.

6. **Kawashima SA**, Takemoto A, Nurse P, and Kapoor TM. (2012). Analyzing fission yeast multi-drug resistance mechanisms to develop a genetically tractable model system for chemical biology. *Chem Biol.* 19(7):893-901.

7. Li X, Foley EA, **Kawashima SA**, Molloy KR, Li Y, Chait BT, and Kapoor TM. (2012). Examining post-translational modification-mediated protein–protein interactions using a chemical proteomics approach. *Protein Sci. (in press)*

8. **Kawashima SA**, Takemoto A, Nurse P, and Kapoor TM. (2013). A chemical biology strategy to analyze rheostat-like protein kinase-dependent regulation. *Chem Biol. (in press)*

9. Komatsu H, Shindo Y, **Kawashima SA**, Yamatsugu K, Oka K, and Kanai M. (2013). Intracellular activation of Acetyl-CoA by artificial reaction promoter and its fluorescent detection. *Chem. Commun. (in press)*