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### **EDUCATION AND RESEARCH**

#### **University of Shizuoka**

Research Assistant Professor, January 2014 - present

#### **University of Texas Southwestern Medical Center & Howard Hughes Medical Institute**

Postdoctoral Researcher, July 2011 – December 2013

#### **University of Minnesota, USA**

Postdoctoral Researcher, April 2010 – June 2011

#### **Yokohama City University, JAPAN**

Graduate research, April 2005 – March 2010 Ph.D., Science, March 2010

#### **Tokyo University of Agriculture, JAPAN**

Undergraduate Research, April 2000 – March 2005 B.A., Science, March 2005

### **PUBLICATIONS**

13) Tsuyoshi Yamamoto, Yuta Tsunematsu, **Kodai Hara**, Tomohiro Suzuki, Hirokazu Kawagishi, Hiroshi Noguchi, Hiroshi Hashimoto, Yi Tang, Kinya Hotta, & \*Kenji Watanabe, Oxidative Trans-to-Cis Isomerization of Olefins in Polyketide Biosynthesis, *Angew Chem Int Ed Engl* (2016) in press

12) Asami Hishiki, **Kodai Hara**, Yuzu Ikegaya, Hideshi Yokoyama, Toshiyuki Shimizu, Mamoru Sato, & \*Hiroshi Hashimoto, Structure of a Novel DNA-binding Domain of Helicase-like Transcription Factor (HLTF) and Its Functional Implication in DNA

Damage Tolerance, *J Biol Chem* (2015) vol.290 (21) pp. 13215-13223

11) Yuzu Ikegaya, **Kodai Hara**, Asami Hishiki, Hideshi Yokoyama, & \*Hiroshi Hashimoto, Crystallographic study of a novel DNA-binding domain of human HLTF involved in the template-switching pathway of DNA damage tolerance, *Acta Crystallogr Sect F Struct Biol Cryst Commun* (2015) vol.71 (Pt 6) pp. 668-670

10) **Kodai Hara**, #Ge Zheng (# contributed equally), Qianhui Qu, Hong Liu, Zhuqing Ouyang, Zhe Chen, Diana R. Tomchick, & \*Hongtao Yu, Structure of cohesin subcomplex pinpoints direct shugoshin-Wapl antagonism in cohesion protection, *Nature Struct Mol Biol* (2014) vol.10 pp.864-870

9) Farjana J. Fattah, **Kodai Hara**, Kazi R. Fattah, Chenyi Yang, Nan Wu, Ross Warrington, David J. Chen, Pengbo Zhou, David A. Boothman, & \*Hongtao Yu, The Transcription Factor TFII-I Promotes DNA Translesion Synthesis and Genomic Stability, *PLoS Genet* (2014) vol.10 (6) e1004419

8) Sotaro Kikuchi, **Kodai Hara**, Toshiyuki Shimizu, Mamoru Sato, & Hiroshi Hashimoto, Structural basis of recruitment of DNA polymerase  $\zeta$  by interaction between REV1 and REV7, *J Biol Chem* (2012) vol.287 (40) pp. 33847-33852

7) Sotaro Kikuchi, **Kodai Hara**, Toshiyuki Shimizu, Mamoru Sato, & Hiroshi Hashimoto, Crystallization & X-ray diffraction analysis of the ternary complex of the C-terminal domain of human REV1 in complex with REV7 bound to a REV3 fragment involved in translesion DNA synthesis, *Acta Crystallogr Sect F Struct Biol Cryst Commun* (2012) vol.68 (Pt 8) pp. 962- 964

6) Hiroshi Hashimoto, **Kodai Hara**, Asami Hishiki, Shigeta Kawaguchi, Naoki Shichijo, Keishi Nakamura, Satoru Unzai, Yutaka Tamaru, Toshiyuki Shimizu, & Mamoru Sato, Crystal structure of zinc-finger domain of Nanos and its functional implications, *EMBO Rep* (2010) vol. 11 (11) pp. 848-853

5) **Kodai Hara**, Hiroshi Hashimoto, Yoshiki Murakumo, Shunsuke Kobayashi, Toshiaki Kogame, Satoru Unzai, Satoko Akashi, Shunichi Takeda, Toshiyuki Shimizu, & Mamoru Sato, Crystal structure of human REV7 in complex with a human REV3 fragment and structural implication of the interaction between DNA polymerase  $\alpha$  and REV1, *J Biol Chem* (2010) vol. 285 (16) pp. 12299-12307

4) **Kodai Hara**, Toshiyuki Shimizu, Satoru Unzai, Satoko Akashi, Mamoru Sato, & Hiroshi Hashimoto, Purification, crystallization and initial X-ray diffraction study of human REV7 in complex with a REV3 fragment, *Acta Crystallogr Sect F Struct Biol Cryst Commun* (2009) vol. 65 (Pt 12) pp. 1302-1305

3) Hiroshi Hashimoto, Shigeta Kawaguchi, **Kodai Hara**, Keishi Nakamura, Toshiyuki Shimizu, Yutaka Tamaru, & Mamoru Sato, Purification, crystallization and initial X-ray diffraction study of the zinc-finger domain of zebrafish Nanos, *Acta Crystallogr Sect F Struct Biol Cryst Commun* (2009) vol. 65 (Pt 9) pp. 959-961

2) Shunsuke Yajima, **Kodai Hara**, Daisuke Iino, Yasuyuki Sasaki, Tomohisa Kuzuyama, Kanju Ohsawa, & Haruo Seto, Structure of 1-deoxy-D-xylulose 5-phosphate reductoisomerase in a quaternary complex with a magnesium ion, NADPH and the antimalarial drug fosmidomycin, *Acta Crystallogr Sect F Struct Biol Cryst Commun* (2007) vol. 63 (Pt 6) pp. 466-470

1) Shusuke Yajima, **Kodai Hara**, John M. Sanders, Fenglin Yin, Kanju Ohsawa, Jochen Wiesner, Hassan Jomaa, & Eric Oldfield, Crystallographic structures of two bisphosphonate: 1-deoxyxylulose-5-phosphate reductoisomerase complexes, *J Am Chem Soc* (2004) vol. 126 (35) pp. 10824-10825