

CURRICULUM VITAE

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Professional Appointments:

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Professional Society Memberships:

Crystallographic Society of Japan (1997-present)
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Biophysical Society of Japan (2005-present)
Japanese Biochemical Society (2006-present)
Molecular Biology Society of Japan (2011-present)
Pharmaceutical Society of Japan (2014-present)

Publications:

- 1) Akira Inoue, Sotaro Kikuchi, Asami Hishiki, Youming Shao, Richard Heath, Benjamin J. Evison, Marcelo Actis, Christine E. Canman, **Hiroshi Hashimoto**, & *Naoaki Fujii, A Small Molecule Inhibitor of Monoubiquitinated Proliferating Cell Nuclear Antigen (PCNA) inhibits Repair of Interstrand DNA Crosslink, enhances DNA Double-strand Break, and sensitizes Cancer Cells

to Cisplatin, *J Biol Chem*, In press.

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- 3) #Junpei Nomura, #**Hiroshi Hashimoto**, #Takehiro Ohta (**# contributed equally**), Yoshiteru Hashimoto, Koichi Wada, Yoshinori Naruta, Ken-Ichi Oinuma, & *Michihiko Kobayashi, Crystal structure of aldoxime dehydratase and its catalytic mechanism involved in carbon-nitrogen triple-bond synthesis, *Proc Natl Acad Sci USA* (2013) vol. 110 (8) pp. 2810-2815
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- 6) Sotaro Kikuchi, Kodai Hara, Toshiyuki Shimizu, Mamoru Sato, & ***Hiroshi Hashimoto**, Crystallization and 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

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- 8) Chandanamali Punchihewa, Akira Inoue, Asami Hishiki, Yoshihiro Fujikawa, Michele Connelly, Benjamin Evison, Youming Shao, Richard Heath, Isao Kuraoka, Patrick Rodrigues, **Hiroshi Hashimoto**, Masanobu Kawanishi, Mamoru Sato, Takashi Yagi, & *Naoaki Fujii, Identification of a small molecule PCNA inhibitor that disrupts interactions with PIP-Box proteins and inhibits DNA replication, *J Biol Chem* (2012) vol. 287 (17) pp. 14289-14300
- 9) Naoyuki Kuwabara, Yasuto Murayama, **Hiroshi Hashimoto**, Yuuichi Kokabu, Mitsunori Ikeguchi, Mamoru Sato, Kouta Mayanagi, Yasuhiro Tsutsui, *Hiroshi Iwasaki, & *Toshiyuki Shimizu, Mechanistic insights into the activation of rad51-mediated strand exchange from the structure of a recombination activator, the swi5-sfr1 complex, *Structure* (2012) vol. 20 (3) pp. 440-449
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(o-Cl-amidine) As Second Generation Protein Arginine Deiminase (PAD) Inhibitors, **J Med Chem** (2011) 54, 6919-6935

- 12) **Hiroshi Hashimoto**, Tomoka Takeuchi, Kyoko Komatsu, Kaoru Miyazaki, Mamoru Sato, & *Shouichi Higashi, Structural basis for matrix metalloproteinase-2 (MMP-2)-selective inhibitory action of beta-amyloid precursor protein-derived inhibitor, **J Biol Chem** (2011) vol. 286 (38) pp. 33236-33243
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- 14) Takuya Yoshizawa, Toshiyuki Shimizu, Mayuki Yamabe, Misako Taichi, Yuji Nishiuchi, Naoki Shichijo, Satoru Unzai, Hisashi Hirano, Mamoru Sato, & ***Hiroshi Hashimoto**, Crystal structure of basic 7S globulin, a xyloglucan-specific endo-beta-1,4-glucanase inhibitor protein-like protein from soybean lacking inhibitory activity against endo-beta-glucanase, **FEBS J** (2011) vol. 278 (11) pp. 1944-1954
- 15) Akito Kawai, **Hiroshi Hashimoto**, Shigesada Higuchi, Masaru Tsunoda, Mamoru Sato, Kazuo T Nakamura, & *Shuichi Miyamoto, A novel heterotetrameric structure of the crenarchaeal PCNA2-PCNA3 complex, **J Struct Biol** (2011) vol. 174 (3) pp. 443-450
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- 28) Asami Hishiki, *Hiroshi Hashimoto, Tomo Hanafusa, Keijiro Kamei, Eiji

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