

Publications

26. Naoki Horikoshi, Ryosuke Miyake, Chizuru Sogawa-Fujiwara, Mitsuo Ogasawara, Yoshimasa Takizawa, Hitoshi Kurumizaka: Cryo-EM structures of the BAF-Lamin A/C complex bound to nucleosomes, *Nature Communications*, 2025 PMID: 39929866

25. Mitsuhiro Shinada, Hisashi Suzuki, Masayuki Hanyu, Chika Igarashi, Hiroki Matsumoto, Masashi Takayuki, Fukiko Hihara, Tomoko Tachibana, Chizuru Sogawa, Ming-Rong Zhang, Tatsuya Higashi, Hidemitsu Sato, Hiroaki Kurihara, Yukie Yoshii, Yoshihiro Doi: Trace Metal Impurities Effects on the Formation of [⁶⁴Cu] Cu-diacetyl-bis(*N*⁴-methylthiosemicarbazone) ([⁶⁴Cu]Cu-ATSM), *Pharmaceuticals*, 2023. PMID: 38275997

24. Kayo Nozawa, Yoshimasa Takizawa, Leonidas Pierrakeas, Chizuru Sogawa-Fujiwara, Kazumi Saikusa, Satoko Akashi, Ed Luk and Hitoshi Kurumizaka: Cryo-electron microscopy structure of the H3-H4 octasome a nucleosome-like particle without histones H2A and H2B, *PNAS*, 8;119(45): e2206542119, 2022. PMID: 36322721

23. Chizuru Sogawa-Fujiwara, Yasuhiro Fujiwara, Atsuki Hanagata, Qunhui Yang, Taiki Mihara, Noriyuki Kaji, Tetsuo Kunieda, and Masatoshi Hori: *Npr2* mutant mice show vasodilation and undeveloped adipocytes in mesentery, *BMC Research Note*, 14:438, 2021. PMID: 34838130

22. Chizuru Sogawa-Fujiwara, Atsuki Hanagata, Yasuhiro Fujiwara, Yukisato Ishida, Tetsuo Kunieda, Hirofumi Nakatomi and Masatoshi Hori: Defective development and microcirculation of intestine in *Npr2* mutant mice, *Scientific Reports*. Sep 8;10(1):14761. 2020. PMID: 32901096

(日本語ミニレビュー)

曾川千鶴: CNP/NPR-B と平滑、*The Journal of Animal Genetics*, 45: 9-18, 2017

21. Yukie Yoshii, Takako Furukawa, Atsuo Waki, Hiroaki Okuyama, Masahiro Inoue, Manabu Itoh, Ming-Rong Zhang, Hidekatsu Wakizaka, Chizuru Sogawa, Yasushi Kiyono, Hiroshi Yoshii, Yasuhisa Fujibayashi, Tsuneo Saga: High-throughput screening with nanoimprinting 3D culture for efficient drug development by mimicking the tumor environment. *Biomaterials*. 51: 278-279. 2015. PMID: 25771018

20. Christelle Biemann, Stephan Rignault-Clerc, Lucas Liaudet, Feng Li, Tetsuo Kunieda, Chizuru Sogawa, Tamara Zehnder, Bernad Waeber, Francois Feihl, Nathalie Rosenblatt-Velin: Brain natriuretic peptide is able to stimulate cardiac progenitor cell proliferation and differentiation in mice hearts after birth. *Basic Res*

Cardiol. Jan;110 (1) 455. 2015. PMID: 25449896

19. Chizuru Sogawa, Yasuhiro Fujiwara, Satoshi Tsukamoto, Yuka Ishida, Yukie Yoshii, Takako Furukawa, Tetsuo Kunieda, and Tsuneo Saga: Mutant phenotype analysis suggests potential roles for C-type natriuretic peptide receptor (NPR-B) in male mouse fertility. *Reproductive Biology and Endocrinology*. Jul 10;12:64. 2014. PMID: 25012822

18. Yukie Yoshii, Hiroki Matsumoto, Mitsuyoshi Yoshimoto, Takako Furukawa, Yukie Morokoshi, Chizuru Sogawa, Ming-Rong Zhang, Hidekatsu Wakizaka, Hiroshi Yoshii, Yasuhisa Fujibayashi, Tsuneo Saga: Controlled Administration of Penicillamine Reduces Radiation Exposure in Critical Organs during (64) Cu-ATSM Internal Radiotherapy: A Novel Strategy for Liver Protection. *PLoS One*. 2014 Jan 22;9(1): e86996. 2014. PMID: 24466309

17. Zhao-Hui Jin, Takako Furukawa, Chizuru Sogawa, Michael Claron, Winn Aung, Atsushi B. Tsuji, Hidekatsu Wakizaka, Ming-Rong Zhang, Didier Boturyn, Pascal Dumy, Yasuhisa Fujibayashi, Tsuneo Saga: PET imaging and biodistribution analysis of the effects of succinylated gelatin combined with l-lysine on renal uptake and retention of ⁶⁴Cu-cyclam-RAFT-c(-RGDfK-)4in vivo. *Eur J Pharm Biopharm*. S0939-6411(13)00378-0. PMID: 24316338

16. Winn Aung, Zhao-Hut Jin, Takako Furukawa, Michael Ciaron, Didier Boturyn, Chizuru Sogawa, Atsushi B. Tsuji, Hidekatsu Wakizaka, Toshimitsu Fukumura, Yasuhisa Fujibayashi, Pascal Dumy, and Tsuneo Saga: Micro-Positron Emission Tomography/Contrast-Enhanced Computed Tomography Imaging of Orthotopic Pancreatic Tumor Bearing Mice Using the $\alpha v \beta 3$ Integrin Tracer ⁶⁴Cu-Labeled Cyclam-RAFT-c(-RGDfK-)4. *Mol Imaging*. 12(6): 376-87. 2013. PMID: 23981783

15. Yukie Yoshii, Takako Furukawa, Nobuyuki Oyama, Yoko Hasegawa, Yasushi Kiyono, Ryuichi Nishii, Atsuo Waki, Atsushi B. Tsuji, Chizuru Sogawa, Hidekatsu Wakizaka, Toshimitsu Fukumura, Hiroshi Yoshii, Yasuhisa Fujibayashi, Jason S. Lewis, Tsuneo Saga: Fatty Acid synthase is a key target in multiple essential tumor function of prostate cancer: uptake of radiolabeled acetate as a predictor of the targeted therapy outcome. *PLoS One*. 8(5): e64570. 2013. PMID: 23741342

14. Chizuru Sogawa, Hidekatsu Wakizaka, Winn Aung, Zhao-hui Jin, Atsushi B. Tsuji, Takako Furukawa, Tetsuo Kunieda, and Tsuneo Saga: C-Type Natriuretic Peptide Specifically Acts on the Pylorus and Large Intestine in Mouse Gastrointestinal Tract. *The American Journal of Pathology*, 182(1), 172-9. 2013. PMID: 23127564

13. Zhao-Hui Jin*, Chizuru Sogawa*, Takako Furukawa, Yuriko Saito, Winn Aung, Yasuhisa Fujibayashi, Tsuneo Saga: Basic studies on radioimmunotargeting of cancer stem cells. *Mol Imaging*. 11(6): 445-50, 2012. PMID: 23084245
12. Chizuru Sogawa, Atsushi Tsuji, Chisato Yoshida, Masayuki Inubushi, Takako Furukawa, Mitsuru Koizumi, Akahori Y, Ukai Y, Gene Kurosawa, Kurosawa Y, Tsuneo Saga: Novel human monoclonal antibody against epidermal growth factor receptor as an imaging probe for hepatocellular carcinoma. *Nuclear medicine communications*. 33(7): 719-25. 2012. PMID: 22453549
11. Aung U Winn, Chizuru Sogawa, Takako Furukawa, Tsuneo Saga: Anticancer effect of Dihydroartemisinin (DHA) in a pancreatic tumor model evaluated by conventional methods and optical imaging. *Anticancer Res*. 31(5): 1549-58. 2011. PMID: 21617209
10. Hitomi Sudou, Atsushi Tsuji, Aya Sugyou, Chizuru Sogawa, Chisato Yoshida, Yoshinobu Harada, Okio Hino, Tsuneo Saga: Knockdown of COPA, Identified by Loss-of-Function Screen, Induces Apoptosis and Suppresses Tumor Growth in Mesothelioma Mouse Model, *Genomics*, 95(4), 210-216, 2010. PMID: 20153416
9. Chisato Yoshida, Atsushi Tsuji, Hitomi Sudou, Aya Sugyou, Chizuru Sogawa, Masayuki Inubushi, Tomoya Uehara, Toshimitsu Fukumura, Mitsuru Koizumi, Yasushi Arano, Tsuneo Saga: Development of Positron Emission Tomography Probe of ⁶⁴Cu-labeled Anti-c-kit 12A8 Fab to Measure Protooncogene C-kit Expression, *Nuclear Medicine and Biology*, *Nucl Med Biol*. 38(3):331-7. 2011. PMID: 21492781
8. Chisato Yoshida, Chizuru Sogawa, Atsushi Tsuji, Hitomi Sudou, Aya Sugyou, Tomoya Uehara, Okio Hino, Yukie Yoshii, Yasuhisa Fujibayashi, Toshimitsu Fukumura, Mitsuru Koizumi, Yasushi Arano, Tsuneo Saga: Development of positron emission tomography imaging by ⁶⁴Cu-labeled Fab for detecting ERC/mesothelin in a mesothelioma mouse model, *Nuclear medicine communications*, 2010, 31(5):380-8. PMID: 20072072
7. Chizuru Sogawa, Asaki Abe, Takehito Tsuji, Mitsuru Koizumi, Tsuneo Saga, Tetsuo Kunieda: Gastrointestinal Tract Disorder in Natriuretic Peptide Receptor B Gene Mutant Mice, *The American Journal of Pathology*, 177(2), 822-828, 2010. PMID: 20616347
6. Aung U Winn, Sumitaka Hasegawa, Michiko Koshikawa, Atsushi Tsuji, Chizuru Sogawa, Hitomi Sudou, Aya Sugyou, Mitsuru Koizumi, Takako Furukawa, Tsuneo Saga: Noninvasive assessment of regulable transferred-p53 gene expression and evaluation of therapeutic response with FDG-PET in tumor model. *Gene Therapy*, 17(9), 1142-1151, 2010. PMID: 20445579

5. Chizuru Sogawa, Atsushi Tsuji, Hitomi Sudou, Aya Sugyou, Chisato Yoshida, Kenichi Odaka, Tomoya Uehara, Yasushi Arano, Mitsuru Koizumi, Tsuneo Saga: C-kit-targeted imaging of gastrointestinal stromal tumor using radiolabeled anti-c-kit monoclonal antibody in a mouse tumor model, *Nuclear Medicine and Biology*, 37(2), 179-187, 2010. PMID: 20152717

4. Atsushi Tsuji, Chizuru Sogawa, Aya Sugyou, Hitomi Sudou, Mitsuru Koizumi, Okio Hino, Yoshinobu Harada, Takako Furukawa, Kazutoshi Suzuki, Tsuneo Saga: Comparison of Conventional and Novel PET Tracers for Imaging Mesothelioma in Nude Mice with Subcutaneous and Intrapleural Xenografts, *Nuclear Medicine and Biology*, 36(4), 379-388, 2009. PMID: 19423005

3. Atsushi Tsuji, Chizuru Sogawa, Hitomi Sudou, Aya Sugyou, Mitsuru Koizumi, Tsuneo Saga: 18F-FDG PET for Semiquantitative Evaluation of Acute Allograft Rejection and Immunosuppressive Therapy Efficacy in Rat Models of Liver Transplantation, *Journal of Nuclear Medicine*, 50(5), 827-830, 2009. PMID: 19372488

2. Chizuru Sogawa, Takehito Tsuji, Yusuke Shinkai, Kentaro Katayama, Tetsuo Kunieda: Short-Limbed Dwarfism: slw Is a New Allele of Npr2 Causing Chondrodysplasia, *Journal of Heredity*, 98, 575-580, 2007. PMID: 17728275

1. 辻 岳人、清須千代、曾川千鶴、国枝哲夫: 長管骨の成長に関わる遺伝子の探索、*The Journal of Animal Genetics*, 32: 133-140, 2005