

細胞機能解析支援部門-研究業績-

Publication List -Division of Cell Function Research Support-

原著論文 ***Original Papers***

1. Hattori N, Nakagawa T, Yoneda M, Hayashida H, Nakagawa K, Yamamoto K, Htun, MW, Shibata Y, Koji T, Ito T.
Compounds in cigarette smoke induce EGR1 expression via the AHR, resulting in apoptosis and COPD.
The Journal of Biochemistry **172 (6)**: 365-376 (2022) doi: 10.1093/jb/mvac077.
2. Sumikawa MH, Iwata S, Zhang M, Miyata H, Ueno M, Todoroki Y, Nagayasu A, Kanda R, Sonomoto K, Torimoto K, Lee S, Nakayamada S, Yamamoto K, Okada Y, Tanaka Y.
An enhanced mitochondrial function through glutamine metabolism in plasmablast differentiation in systemic lupus erythematosus.
Rheumatology **61 (7)**: 3049-3059 (2022) doi: 10.1093/rheumatology/keab824.
3. Muta K, Nakazawa Y, Obata Y, Inoue H, Torigoe K, Nakazawa M, Abe K, Furusu A, Miyazaki M, Yamamoto K, Koji T, Nishino T.
An inhibitor of Krüppel-like factor 5 suppresses peritoneal fibrosis in mice.
Peritoneal Dialysis International **41 (4)**: 394-403 (2021) doi: 10.1177/0896860820981322.
4. Haraguchi M, Miuma S, Yamamoto K, Nakao Y, Ichikawa T, Kanda Y, Sasaki R, Fukushima M, Akazawa Y, Miyaaki H, Nakao K.
Geranylgeranylacetone decreases the production of hepatitis B virus-related antigen by comprehensive downregulation of mRNA transcription activity.
Journal of Gastroenterology and Hepatology **36 (7)**: 1979-1987 (2021) doi: 10.1111/jgh.15394.
5. Torigoe K, Obata Y, Torigoe M, Oka S, Yamamoto K, Koji T, Ueda H, Mukae H, Nishino T.
Hexapeptide derived from prothymosin alpha attenuates cisplatin-induced acute kidney injury
Clinical and Experimental Nephrology **24 (5)**: 411-419 (2020) doi: 10.1007/s10157-019-01843-1

6. Khan KN, Yamamoto K, Fujishita A, Koshiba A, Kuroboshi H, Sakabayashi S, Teramukai S, Nakashima M, Kitawaki J.
Association between FOXP3(+) regulatory T-cells and occurrence of peritoneal lesions in women with ovarian endometrioma and dermoid cysts.
Reproductive Biomedicine Online **38**: 857-869 (2019) doi: 10.1016/j.rbmo.2019.01.011
7. Khan KN, Yamamoto K, Fujishita A, Muto H, Koshiba A, Kuroboshi H, Saito S, Teramukai S, Nakashima M, Kitawaki J.
Differential levels of regulatory T-cells and T-helper-17 cells in women with early and advanced endometriosis.
The Journal of Clinical Endocrinology & Metabolism **104**: 4715-4729 (2019) doi: 10.1210/jc.2019-00350.
8. Shimamura M, Yamamoto K, Kurashige T, Nagayama Y.
Intracellular redox status controls spherogenicity, an *in vitro* cancer stem cell marker, in thyroid cancer cell lines.
Experimental Cell Research **370**: 699-707 (2018) doi: 10.1016/j.yexcr.2018.07.036
9. Umeda M, Koga T, Ichinose K, Igawa T, Sato T, Takatani A, Shimizu T, Fukui S, Nishino A, Horai Y, Hirai Y, Kawashiri S-Y, Iwamoto N, Aramaki T, Tamai M, Nakamura H, Yamamoto K, Abiru N, Origuchi T, Ueki Y, Kawakami A.
CD4⁺ CD52^{lo} T-cell expression contributes to the development of systemic lupus erythematosus.
Clinical Immunology **187**: 50-57 (2018)
10. Bayarsaikhan G, Miyakoda M, Yamamoto K, Kimura D, Akbari M, Yuda M, Yui K.
Activation and exhaustion of antigen-specific CD8⁺T cells occur in different splenic compartments during infection with *Plasmodium berghei*.
Parasitology International **66 (3)**: 227-235 (2017) doi: 10.1016/j.clim.2017.10.004
11. Yamamoto K, Mak TW.
Mechanistic aspects of mammalian cell size control.
Development, Growth & Differentiation **59 (1)**: 33-40 (2017) doi: 10.1111/dgd.12334

12. Ichinose K, Ushigusa T, Nishino A, Nakashima Y, Suzuki T, Horai Y, Koga T, Kawashiri SY, Iwamoto N, Tamai M, Arima K, Nakamura H, Obata Y, Yamamoto K, Origuchi T, Nishino T, Kawakami A, Tsokos GC. Lupus nephritis IgG induces the expression of calcium/calmodulin-dependent kinase type IV in podocytes and alters their function.
Arthritis & Rheumatology **68 (4)**: 944-952 (2016) doi: 10.1002/art.39499
13. Itsumi, M., Inoue, S., Elia, A.J., Murakami, K., Sasaki, M., Lind, E.F., Brenner, D., Harris, I.S., Chio, I.I., Afzal, S., Cairns, R.A., Cescon, D.W., Elford, A.R., Ye, J., Lang, P.A., Li, W.Y., Wakeham, A., Duncan, G.S., Haight, J., You-Ten, A., Snow, B., Yamamoto, K., Ohashi, P.S.*, and Mak, T.W.*
Idh1 protects murine hepatocytes from endotoxin-induced oxidative stress by regulating the intracellular NADP(+)/NADPH ratio.
Cell Death & Differentiation **22 (11)**: 1837-1845 (2015)
14. Harris, I.S., Trelor, A.E., Inoue, S., Sasaki, M., Gorrini, C., Lee, K.C., Yung, K.Y., Knobbe-Thomsen, C.B., Brenner, D., Cox, M.A., Elia, A., Thorsten, B., Cescon, D.W., Adeoye, A., Brüstlel, A., Molyneux, S.D., Mason, J.M., Blaser, H., Li, W.Y., Yamamoto, K., Wakeham, A., Berman, H.K., Khokha, R., Done, S., Kavanagh, T.J., Lam, C.W., and Mak, T.W.*
Glutathione and thioredoxin antioxidant pathway synergize to drive cancer initiation and progression.
Cancer Cell **27 (2)**: 211-222 (2015)
15. Yamamoto, K., Gandin, V., Sasaki, M., McCracken, S., Li, W., Silvester, J.L., Elia, A.J., Wang, F., Wakutani, Y., Alexandrova, R., Oo, Y.D., Mullen, P.J., Inoue, S., Itsumi, M., Lapin, V., Haight, J., Wakeham, A., Shahinian, A., Ikura, M., Topisirovic, I., Sonenberg, N., and Mak, T.W.*
Largen: a molecular regulator of mammalian cell size control.
Molecular Cell **53 (6)**: 904-915 (2014)
16. Inoue, S., Hao, Z., Elia, A.J., Cescon, D., Zhou, L., Silvester, J., Snow, B., Harris, I.S., Sasaki, M., Li, W.Y., Itsumi, M., Yamamoto, K., Ueda, T., Dominguez-Brauer, C., Gorrini, C., Chio, II., Haight, J., You-Ten, A., McCracken, S., Wakeham, A., Ghazarian, D., Penn, L.J., Melino, G., and Mak, T.W.*
Mule/Huwei1/Arf-BP1 suppresses Ras-driven tumorigenesis by preventing c-Myc/Miz1-mediated down-regulation of p21 and p15.
Genes & Development **27 (10)**: 1101-1114 (2013)

総説 *Reviews*

1. 原裕貴、山本一男
細胞とオルガネラのサイズ決定のしくみ
生体の科学 **73**: 287-290 (2022)
2. 浅井将、山本一男
ダウン症者における早期アルツハイマー病発症メカニズム
アルツハイマー病発症メカニズムと新規診断法・創薬・治療開発, 第1編, 第1章, 第3節, エヌ・ティー・エス, 東京 (2018)
3. 山本一男、原裕貴 (企画)
特集: サイズ生物学
実験医学 **36**, 8月号 (2018)
4. 山本一男
哺乳類の細胞サイズを規定する分子基盤
実験医学 **34**: 217-222 (2016)
5. 山本一男
細胞の大きさを規定する分子基盤～脊椎動物特異的細胞サイズ調節因子 **Largen** の同定
化学と生物 **53**: 141-142 (2015)
6. 山本一男
哺乳類において細胞の大きさを制御するタンパク質 **Largen**
ライフサイエンス 新着論文レビュー <http://first.lifesciencedb.jp/archives/8552#more-8552> (2014)