

連携教員等による論文(2019年-)※

※ 所属情報にUniversity of Tsukubaが含まれるもの。

| Authors  | Title  | Year | Journal                             | Volume | Issue | Pages     |
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| Yachida, S.   Mizutani, S.   Shiroma, H.   Shiba, S.   Nakajima, T.   Sakamoto, T.   Watanabe, H.   Masuda, K.   Nishimoto, Y.   Kubo, M.   Hosoda, F.   Rokutan, H.   Matsumoto, M.   Takamaru, H.   Yamada, M.   Matsuda, T.   Iwasaki, M.   Yamaji, T.   Yachida, T.   Soga, T.   Kurokawa, K.   Toyoda, A.   Ogura, Y.   Hayashi, T.   Hatakeyama, M.   Nakagama, H.   Saito, Y.   Fukuda, S.   Shibata, T.   Yamada, T.   | Metagenomic and metabolomic analyses reveal distinct stage-specific phenotypes of the gut microbiota in colorectal cancer                                      | 2019 | Nature Medicine                     | 25     | 6     | 968-976   |
| Kikuchi, K.   Saigusa, D.   Kanemitsu, Y.   Matsumoto, Y.   Thanai, P.   Suzuki, N.   Mise, K.   Yamaguchi, H.   Nakamura, T.   Asaji, K.   Mukawa, C.   Tsukamoto, H.   Sato, T.   Oikawa, Y.   Iwasaki, T.   Oe, Y.   Tsukimi, T.   Fukuda, N.N.   Ho, H.-J.   Nanto-Hara, F.   Ogura, J.   Saito, R.   Nagao, S.   Ohsaki, Y.   Shimada, S.   Suzuki, T.   Toyohara, T.   Mishima, E.   Shima, H.   Akiyama, Y.   Akiyama, Y.   Ichijo, M.   Matsuhashi, T.   Matsuo, A.   Ogata, Y.   Yang, C.-C.   Suzuki, C.   Breeggemann, M.C.   Heymann, J.   Shimizu, M.   Ogawa, S.   Takahashi, N.   Suzuki, T.   Owada, Y.   Kure, S.   Mano, N.   Soga, T.   Wada, T.   Kopp, J.B.   Fukuda, S.   Hozawa, A.   Yamamoto, M.   Ito, S.   Wada, J.   Tomioka, Y.   Abe, T. | Gut microbiome-derived phenyl sulfate contributes to albuminuria in diabetic kidney disease  | 2019 | Nature Communications               | 10     | 1     | -         |
| Sher, F.   Hossain, M.   Seruggia, D.   Schoonenberg, V.A.C.   Yao, Q.   Cifani, P.   Dassama, L.M.K.   Cole, M.A.   Ren, C.   Vinjamur, D.S.   Macias-Trevino, C.   Luk, K.   McGuckin, C.   Schupp, P.G.   Canver, M.C.   Kurita, R.   Nakamura, Y.   Fujiwara, Y.   Wolfe, S.A.   Pinello, L.   Maeda, T.   Kentsis, A.   Orkin, S.H.   Bauer, D.E.   | Rational targeting of a NuRD subcomplex guided by comprehensive in situ mutagenesis  | 2019 | Nature Genetics                     | 51     | 7     | 1149-1159 |
| Kushida, M.   Sugawara, S.   Asano, M.   Yamamoto, K.   Fukuda, S.   Tsuduki, T.   | Effects of the 1975 Japanese diet on the gut microbiota in younger adults  | 2019 | Journal of Nutritional Biochemistry | 64     | -     | 121-127   |
| Nagata, N.   Tohya, M.   Fukuda, S.   Suda, W.   Nishijima, S.   Takeuchi, F.   Ohsugi, M.   Tsujimoto, T.   Nakamura, T.   Shimomura, A.   Yanagisawa, N.   Hisada, Y.   Watanabe, K.   Imbe, K.   Akiyama, J.   Mizokami, M.   Miyoshi-Akiyama, T.   Uemura, N.   Hattori, M.  | Effects of bowel preparation on the human gut microbiome and metabolome  | 2019 | Scientific Reports                  | 9      | 1     | -         |
| Liu, B.   Maekawa, T.   Yoshida, K.   Ly, N.H.   Inoue, K.   Hasegawa, A.   Chatton, B.   Ogura, A.   Ishii, S.  | Telomere shortening by transgenerational transmission of TNF- $\alpha$ -induced TERRA via ATF7   | 2019 | Nucleic Acids Research              | 47     | 1     | 283-298   |
| Chung, J.E.   Magis, W.   Vu, J.   Heo, S.-J.   Wartiovaara, K.   Walters, M.C.   Kurita, R.   Nakamura, Y.   Boffelli, D.   Martin, D.I.K.   Corn, J.E.   DeWitt, M.A.  | CRISPR-Cas9 interrogation of a putative fetal globin repressor in human erythroid cells  | 2019 | PLoS ONE                            | 14     | 1     | -         |
| Jo, R.   Nishimoto, Y.   Umezawa, K.   Yama, K.   Aita, Y.   Ichiba, Y.   Murakami, S.   Kakizawa, Y.   Kumagai, T.   Yamada, T.   Fukuda, S.  | Comparison of oral microbiome profiles in stimulated and unstimulated saliva, tongue, and mouth-rinsed water   | 2019 | Scientific Reports                  | 9      | 1     | -         |
| Orimo, T.   Sasaki, I.   Hemmi, H.   Ozasa, T.   Fukuda-Ohta, Y.   Ohta, T.   Morinaka, M.   Kitauchi, M.   Yamaguchi, T.   Sato, Y.   Tanaka, T.   Hoshino, K.   Katayama, K.-I.   Fukuda, S.   Miyake, K.   Yamamoto, M.   Satoh, T.   Furukawa, K.   Kuroda, E.   Ishii, K.J.   Takeda, K.   Kaisho, T.   | Cholera toxin B induces interleukin-1 $\beta$ production from resident peritoneal macrophages through the pyrin inflammasome as well as the NLRP3 inflammasome | 2019 | International Immunology            | 31     | 10    | 657-668   |

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| Sato, C.  Yamazawa, T.  Ohtani, A.  Maruyama, Y.  Memtily, N.  Sato, M.  Hatano, Y.  Shiga, T.  Ebihara, T.   | Primary cultured neuronal networks and type 2 diabetes model mouse fatty liver tissues in aqueous liquid observed by atmospheric SEM (ASEM): Staining preferences of metal solutions | 2019 | Micron  | 118    | -     | 9-21      |
| Doi, A.  Kano, S.  Asano, M.  Takahashi, Y.  Mimori, T.  Mimori, A.  Kaneko, H.   | Autoantibodies to killer cell immunoglobulin-like receptor 3DL1 in patients with systemic lupus erythematosus  | 2019 | Clinical and Experimental Immunology                | 195    | 3     | 358-363   |
| Aw, W.  Fukuda, S.  | Protective effects of bifidobacteria against enteropathogens   | 2019 | Microbial Biotechnology                             | 12     | 6     | 1097-1100 |
| Chang, C.-J.  Wang, P.-C.  Huang, T.-C.  Taniguchi, A.  | Change in renal glomerular collagens and glomerular filtration barrier-related proteins in a dextran sulfate sodium-induced colitis mouse model                                      | 2019 | International Journal of Molecular Sciences         | 20     | 6     | -         |
| Ly, N.H.  Maekawa, T.  Yoshida, K.  Liu, Y.  Muratani, M.  Ishii, S.  | RNA-sequencing analysis of paternal low-protein diet-induced gene expression change in mouse offspring adipocytes  | 2019 | G3: Genes, Genomes, Genetics                        | 9      | 7     | 2161-2170 |
| Liu, Y.  Maekawa, T.  Yoshida, K.  Muratani, M.  Chatton, B.  Ishii, S.   | The Transcription Factor ATF7 Controls Adipocyte Differentiation and Thermogenic Gene Programming  | 2019 | iScience  | 13     | -     | 98-112    |
| Yang, J.  Tsukimi, T.  Yoshikawa, M.  Suzuki, K.  Takeda, T.  Tomita, M.  Fukuda, S.  | Cutibacterium acnes (Propionibacterium acnes) 16S rRNA genotyping of microbial samples from possessions contributes to owner identification  | 2019 | mSystems  | 4      | 6     | -         |
| Sugiyama, Y.  Oishi, T.  Yamashita, A.  Murata, Y.  Yamamoto, T.  Takashima, I.  Isa, T.  Higo, N.  | Neuronal and microglial localization of secreted phosphoprotein 1 (osteopontin) in intact and damaged motor cortex of macaques   | 2019 | Brain Research                                      | 1714   | -     | 52-64     |
| Al-Zain, Y.  Yamamoto, A.  AlAjilouni, J.M.  Al-Abadi, M.A.  Al-Sayyed, M.R.  Aloweidi, A.S.  Kim, H.Y.  Miyazaki, S.                               | Corrosion behavior, in vitro and in vivo biocompatibility of a newly developed Ti-16Nb-3Mo-1Sn superelastic alloy  | 2019 | Materials Science and Engineering C                 | 104    | -     | -         |
| Xue, H.  Sun, L.  Fujimoto, H.  Suzuki, T.  Takahashi, Y.  Ohnishi, K.  | Artificial immunoglobulin light chain with potential to associate with a wide variety of immunoglobulin heavy chains   | 2019 | Biochemical and Biophysical Research Communications | 515    | 3     | 481-486   |
| Sun, L.  Kono, N.  Toh, H.  Xue, H.  Sano, K.  Suzuki, T.  Aina, A.  Orba, Y.  Yamagishi, J.  Hasegawa, H.  Takahashi, Y.  Itamura, S.  Ohnishi, K. | Identification of Mouse and Human Antibody Repertoires by Next-Generation Sequencing   | 2019 | Journal of visualized experiments : JoVE            | -      | 145   | -         |
| Nakane, T.  Angata, K.  Sato, T.  Kaji, H.  Narimatsu, H.   | Identification of mammalian glycoproteins with type-I LacdiNAc structures synthesized by the glycosyltransferase B3GALNT2  | 2019 | Journal of Biological Chemistry                     | 294    | 18    | 7433-7444 |
| Ohashi, M.  Maeda, S.-I.  Sato, C.  | Bayesian inference for three-dimensional helical reconstruction using a soft-body model  | 2019 | Physical Review E                                   | 100    | 4     | -         |

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|---|---|------|-------------------------------------|--------|-------|------------|
| Maekawa, T.   Liu, B.   Liu, Y.   Yoshida, K.   Muratani, M.   Chatton, B.   Ishii, S.  | Stress-induced and ATF7-dependent epigenetic change influences cellular senescence  | 2019 | Genes to Cells                      | 24     | 9     | 627-635    |
| Tanaka, K.   Watabe, T.   Kato, K.   Tsukimi, T.   Sato, M.P.   Odamaki, T.   Tomita, M.   Fukuda, S.   | Draft Genome Sequences of Enterococcus faecalis Strains Isolated from Healthy Japanese Individuals  | 2019 | Microbiology Resource Announcements | 8      | 40    | -          |
| Sato, Y.   Yamada, T.   Hiroshima, T.   Sudo, K.   Hasegawa, N.   Hyodo, I.   Nakamura, Y.  | A robust culture method for maintaining tumorigenic cancer stem cells in the hepatocellular carcinoma cell line Li-7                              | 2019 | Cancer Science                      | 110    | 5     | 1644-1652  |
| Kitamoto, S.   Alteri, C.J.   Rodrigues, M.   Nagao-Kitamoto, H.   Sugihara, K.   Himpsl, S.D.   Bazzi, M.   Miyoshi, M.   Nishioka, T.   Hayashi, A.   Morhardt, T.L.   Kuffa, P.   Grasberger, H.   El-Zaatari, M.   Bishu, S.   Ishii, C.   Hirayama, A.   Eaton, K.A.   Dogan, B.   Simpson, K.W.   Inohara, N.   Mobley, H.L.T.   Kao, J.Y.   Fukuda, S.   Barnich, N.   Kamada, N.  | Dietary l-serine confers a competitive fitness advantage to Enterobacteriaceae in the inflamed gut  | 2020 | Nature Microbiology                 | 5      | 1     | 116-125    |
| Nagao-Kitamoto, H.   Leslie, J.L.   Kitamoto, S.   Jin, C.   Thomsson, K.A.   Gilliland, M.G.   Kuffa, P.   Goto, Y.   Jenq, R.R.   Ishii, C.   Hirayama, A.   Seekatz, A.M.   Martens, E.C.   Eaton, K.A.   Kao, J.Y.   Fukuda, S.   Higgins, P.D.R.   Karlsson, N.G.   Young, V.B.   Kamada, N.   | Interleukin-22-mediated host glycosylation prevents Clostridioides difficile infection by modulating the metabolic activity of the gut microbiota | 2020 | Nature Medicine                     | 26     | 4     | 608-617    |
| Nanto-Hara, F.   Kanemitsu, Y.   Fukuda, S.   Kikuchi, K.   Asaji, K.   Saigusa, D.   Iwasaki, T.   Ho, H.-J.   Mishima, E.   Suzuki, T.   Suzuki, C.   Tsukimi, T.   Matsushashi, T.   Oikawa, Y.   Akiyama, Y.   Kure, S.   Owada, Y.   Tomioka, Y.   Soga, T.   Ito, S.   Abe, T.  | The guanylate cyclase C agonist linaclotide ameliorates the gut-cardio-renal axis in an adenine-induced mouse model of chronic kidney disease     | 2020 | Nephrology Dialysis Transplantation | 35     | 2     | 250-264    |
| Yoshino, T.   Cleary, J.M.   Van Cutsem, E.   Mayer, R.J.   Ohtsu, A.   Shinozaki, E.   Falcone, A.   Yamazaki, K.   Nishina, T.   Garcia-Carbonero, R.   Komatsu, Y.   Baba, H.   Argilés, G.   Tsuji, A.   Sobrero, A.   Yamaguchi, K.   Peeters, M.   Muro, K.   Zaniboni, A.   Sugimoto, N.   Shimada, Y.   Tsuji, Y.   Hochster, H.S.   Moriwaki, T.   Tran, B.   Esaki, T.   Hamada, C.   Tanase, T.   Benedetti, F.   Makris, L.   Yamashita, F.   Lenz, H.-J.   | Neutropenia and survival outcomes in metastatic colorectal cancer patients treated with trifluridine/tipiracil in the RECURSE and J003 trials     | 2020 | Annals of Oncology                  | 31     | 1     | 88-95      |
| Nakamura, Y.   Taniguchi, H.   Ikeda, M.   Bando, H.   Kato, K.   Morizane, C.   Esaki, T.   Komatsu, Y.   Kawamoto, Y.   Takahashi, N.   Ueno, M.   Kagawa, Y.   Nishina, T.   Kato, T.   Yamamoto, Y.   Furuse, J.   Denda, T.   Kawakami, H.   Oki, E.   Nakajima, T.   Nishida, N.   Yamaguchi, K.   Yasui, H.   Goto, M.   Matsushashi, N.   Ohtsubo, K.   Yamazaki, K.   Tsuji, A.   Okamoto, W.   Tsuchihara, K.   Yamanaka, T.   Miki, I.   Sakamoto, Y.   Ichiki, H.   Hata, M.   Yamashita, R.   Ohtsu, A.   Odegaard, J.I.   Yoshino, T. | Clinical utility of circulating tumor DNA sequencing in advanced gastrointestinal cancer: SCRUM-Japan GI-SCREEN and GOZILA studies                | 2020 | Nature Medicine                     | 26     | 12    | 1859-1864  |
| Yoshida, K.   Maekawa, T.   Ly, N.H.   Fujita, S.-I.   Muratani, M.   Ando, M.   Katou, Y.   Araki, H.   Miura, F.   Shirahige, K.   Okada, M.   Ito, T.   Chatton, B.   Ishii, S.  | ATF7-Dependent Epigenetic Changes Are Required for the Intergenerational Effect of a Paternal Low-Protein Diet                                    | 2020 | Molecular Cell                      | 78     | 3     | 445-458.e6 |
| Erawijantari, P.P.   Mizutani, S.   Shiroma, H.   Shiba, S.   Nakajima, T.   Sakamoto, T.   Saito, Y.   Fukuda, S.   Yachida, S.   Yamada, T.   | Influence of gastrectomy for gastric cancer treatment on faecal microbiome and metabolome profiles  | 2020 | Gut                                 | 69     | 8     | 1404-1415  |

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| Caballero-Flores, G.  Pickard, J.M.  Fukuda, S.  Inohara, N.  Núñez, G.   | An Enteric Pathogen Subverts Colonization Resistance by Evading Competition for Amino Acids in the Gut  | 2020 | Cell Host and Microbe                               | 28     | 4     | 526-533.e5 |
| Nagasaka, K.  Takashima, I.  Matsuda, K.  Higo, N.  | Brain activity changes in a monkey model of central post-stroke pain  | 2020 | Experimental Neurology                              | 323    | -     | -          |
| Ku, C.-C.  Wuputra, K.  Kato, K.  Lin, W.-H.  Pan, J.-B.  Tsai, S.-C.  Kuo, C.-J.  Lee, K.-H.  Lee, Y.-L.  Lin, Y.-C.  Saito, S.  Noguchi, M.  Nakamura, Y.  Miyoshi, H.  Eckner, R.  Nagata, K.  Wu, D.-C.  Lin, C.-S.  Yokoyama, K.K. | Jdp2-deficient granule cell progenitors in the cerebellum are resistant to ROS-mediated apoptosis through xCT/Slc7a11 activation  | 2020 | Scientific Reports                                  | 10     | 1     | -          |
| Zhan, J.  Irudayam, M.J.  Nakamura, Y.  Kurita, R.  Nienhuis, A.W.  | High level of fetal-globin reactivation by designed transcriptional activator-like effector   | 2020 | Blood Advances                                      | 4      | 4     | 687-695    |
| Aw, W.  Jia, H.  Lyu, W.  Fukuda, S.  Tomita, M.  Otani, L.  Kato, H.   | Integrated omics profiling of dextran sodium sulfate-induced colitic mice supplemented with Wolfberry ( <i>Lycium barbarum</i> )  | 2020 | npj Science of Food                                 | 4      | 1     | -          |
| Toju, H.  Abe, M.S.  Ishii, C.  Hori, Y.  Fujita, H.  Fukuda, S.  | Scoring Species for Synthetic Community Design: Network Analyses of Functional Core Microbiomes   | 2020 | Frontiers in Microbiology                           | 11     | -     | -          |
| Jangid, A.  Fukuda, S.  Seki, M.  Horiuchi, T.  Suzuki, Y.  Taylor, T.D.  Ohno, H.  Prakash, T.   | Association of colitis with gut-microbiota dysbiosis in clathrin adapter AP-1B knockout mice  | 2020 | PLoS ONE  | 15     | 3     | -          |
| Fuseya, S.  Suzuki, R.  Okada, R.  Hagiwara, K.  Sato, T.  Narimatsu, H.  Yokoi, H.  Kasahara, M.  Usui, T.  Morito, N.  Yamagata, K.  Kudo, T.  Takahashi, S.  | Mice lacking core 1-derived O-glycan in podocytes develop transient proteinuria, resulting in focal segmental glomerulosclerosis  | 2020 | Biochemical and Biophysical Research Communications | 523    | 4     | 1007-1013  |
| Kato, J.  Murata, Y.  Takashima, I.  Higo, N.   | Time- and area-dependent macrophage/microglial responses after focal infarction of the macaque internal capsule   | 2020 | Neuroscience Research                               | -      | -     | -          |
| Naya, M.  Sato, C.  | Pyrene excimer-based fluorescent labeling of cysteines brought into close proximity by protein dynamics: Asem-induced thiol-ene click reaction for high spatial resolution clem | 2020 | International Journal of Molecular Sciences         | 21     | 20    | 1-14       |
| Seo, K.  Tanaka, K.  Fukuda, S.  Arakawa, K.  | Complete Genome Sequences of Two <i>Cutibacterium acnes</i> Strains Isolated from an Orthopedic Surgical Site   | 2020 | Microbiology Resource Announcements                 | 9      | 17    | -          |
| Mishima, E.  Ichijo, M.  Kawabe, T.  Kikuchi, K.  Akiyama, Y.  Toyohara, T.  Suzuki, T.  Suzuki, C.  Asao, A.  Ishii, N.  Fukuda, S.  Abe, T.   | Germ-Free Conditions Modulate Host Purine Metabolism, Exacerbating Adenine-Induced Kidney Damage  | 2020 | Toxins  | 12     | 9     | -          |
| Ogawa, Y.  Miyoshi, C.  Obana, N.  Yajima, K.  Hotta-Hirashima, N.  Ikkyu, A.  Kanno, S.  Soga, T.  Fukuda, S.  Yanagisawa, M.  | Gut microbiota depletion by chronic antibiotic treatment alters the sleep/wake architecture and sleep EEG power spectra in mice   | 2020 | Scientific Reports                                  | 10     | 1     | -          |

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| Seong, K.-H.   Ly, N.H.   Katou, Y.   Yokota, N.   Nakato, R.   Murakami, S.   Hirayama, A.   Fukuda, S.   Kang, S.   Soga, T.   Shirahige, K.   Ishii, S.  | Erratum: Publisher Correction: Paternal restraint stress affects offspring metabolism via ATF-2 dependent mechanisms in Drosophila melanogaster germ cells | 2020 | Communications biology              | 3      | 1     | -           |
| Yang, J.   Yang, Y.   Ishii, M.   Nagata, M.   Aw, W.   Obana, N.   Tomita, M.   Nomura, N.   Fukuda, S.  | Does the gut microbiota modulate host physiology through polymicrobial biofilms?   | 2020 | Microbes and Environments           | 35     | 3     | 1-13        |
| Fujimura, S.   Mio, K.   Kuramochi, M.   Sekiguchi, H.   Ikezaki, K.   Mio, M.   Hengphasatporn, K.   Shigeta, Y.   Kubo, T.   Sasaki, Y.C.   | Agonist and antagonist-diverted twisting motions of a single TRPV1 channel   | 2020 | Journal of Physical Chemistry B     | 124    | 51    | 11617-11624 |
| Seong, K.-H.   Ly, N.H.   Katou, Y.   Yokota, N.   Nakato, R.   Murakami, S.   Hirayama, A.   Fukuda, S.   Kang, S.   Soga, T.   Shirahige, K.   Ishii, S.  | Paternal restraint stress affects offspring metabolism via ATF-2 dependent mechanisms in Drosophila melanogaster germ cells                                | 2020 | Communications Biology              | 3      | 1     | -           |
| Inoue, H.   Shibata, S.   Ii, K.   Inoue, J.   Fukuda, S.   Arakawa, K.   | Complete Genome Sequence of Bifidobacterium longum Strain Jih1, Isolated from Human Feces  | 2020 | Microbiology Resource Announcements | 9      | 22    | -           |
| Gotoh, M.   Nagasaka, K.   Nakata, M.   Takashima, I.   Yamamoto, S.  | Brain Temperature Alters Contributions of Excitatory and Inhibitory Inputs to Evoked Field Potentials in the Rat Frontal Cortex                            | 2020 | Frontiers in Cellular Neuroscience  | 14     | -     | -           |
| Ku, C.-C.   Wuputra, K.   Kato, K.   Lin, W.-H.   Pan, J.-B.   Tsai, S.-C.   Kuo, C.-J.   Lee, K.-H.   Lee, Y.-L.   Lin, Y.-C.   Saito, S.   Noguchi, M.   Nakamura, Y.   Miyoshi, H.   Eckner, R.   Nagata, K.   Wu, D.-C.   Lin, C.-S.   Yokoyama, K.K.                               | Author Correction: Jdp2-deficient granule cell progenitors in the cerebellum are resistant to ROS-mediated apoptosis through xCT/Slc7a11 activation        | 2020 | Scientific Reports                  | 10     | 1     | -           |
| Imamoto, A.   Ki, S.   Li, L.   Iwamoto, K.   Maruthamuthu, V.   Devany, J.   Lu, O.   Kanazawa, T.   Zhang, S.   Yamada, T.   Hirayama, A.   Fukuda, S.   Suzuki, Y.   Okada, M.   | Essential role of the Crk family-dosage in DiGeorge-like anomaly and metabolic homeostasis   | 2020 | Life Science Alliance               | 3      | 2     | -           |
| Nakamura, A.   Yokoyama, Y.   Tanaka, K.   Benegiamo, G.   Hirayama, A.   Zhu, Q.   Kitamura, N.   Sugizaki, T.   Morimoto, K.   Itoh, H.   Fukuda, S.   Auwerx, J.   Tsubota, K.   Watanabe, M.  | Asperuloside Improves Obesity and Type 2 Diabetes through Modulation of Gut Microbiota and Metabolic Signaling   | 2020 | iScience                            | 23     | 9     | -           |
| Minoshima, F.   Ozaki, H.   Odaka, H.   Tateno, H.  | Integrated analysis of glycan and RNA in single cells  | 2021 | iScience                            | 24     | 8     | -           |
| Bao, X.   Zhang, X.   Wang, L.   Wang, Z.   Huang, J.   Zhang, Q.   Ye, Y.   Liu, Y.   Chen, D.   Zuo, Y.   Liu, Q.   Xu, P.   Huang, B.   Fang, J.   Lao, J.   Feng, X.   Li, Y.   Kurita, R.   Nakamura, Y.   Yu, W.   Ju, C.   Huang, C.   Mohandas, N.   Li, D.   Zhao, C.   Xu, X. | Epigenetic inactivation of ERF reactivates $\gamma$ -globin expression in $\beta$ -thalassemia   | 2021 | American Journal of Human Genetics  | 108    | 4     | 709-721     |
| Ishii, S.   Suzuki, T.   Wakahashi, K.   Asada, N.   Kawano, Y.   Kawano, H.   Sada, A.   Minagawa, K.   Nakamura, Y.   Mizuno, S.   Takahashi, S.   Matsui, T.   Katayama, Y.  | FGF-23 from erythroblasts promotes hematopoietic progenitor mobilization   | 2021 | Blood                               | 137    | 11    | 1457-1467   |
| Sudo, K.   Yamazaki, S.   Wilkinson, A.C.   Nakauchi, H.   Nakamura, Y.   | Polyvinyl alcohol hydrolysis rate and molecular weight influence human and murine HSC activity ex vivo   | 2021 | Stem Cell Research                  | 56     | -     | -           |

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