

## 2017年 研究業績

|      |    | 全著者名、論文名、掲載誌名、掲載年；巻（号）：ページ番号                                                                                                                                                                                                                                                                                                                                            |
|------|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 英文原著 | 1  | Tsuzuki T, Kobayashi H, Yoshihara T, Kakigi R, Ichinoseki-Sekine N, Naito H.<br>Attenuation of exercise-induced heat shock protein 72 expression blunts improvements in whole-body insulin resistance in rats with type 2 diabetes.<br>Cell Stress Chaperones. 2017 Mar; 22(2): 263-269.                                                                                |
| 英文原著 | 2  | Kawanishi N, Nozaki R, Naito H, Machida S.<br>TLR4-defective (C3H/HeJ) mice are not protected from cast immobilization-induced muscle atrophy.<br>Physiol Rep. 2017 Apr; 5(8).                                                                                                                                                                                          |
| 英文原著 | 3  | Otsu A, Kawasaki H, Tominaga M, Shigenaga A, Matsuda H, Takahashi N, Nakajima T, Naito H, Baba T, Ogawa H, Tomooka Y, Yamakura F, Takamori K.<br>Accumulation of immunoglobulin G against Dermatophagoides farinae tropomyosin in dorsal root ganglia of NC/Nga mice with atopic dermatitis-like symptoms.<br>Biochem Biophys Res Commun. 2017 Apr 15; 485(4): 707-712. |
| 英文原著 | 4  | Maehana H, Miyamoto A, Koshiyama K, Yanagiya TT, Yoshimura M.<br>Profile of match performance and heart rate response in Japanese amputee soccer. J Sports Med Phys Fitness. 2017 May 5.[Epub ahead of print]                                                                                                                                                           |
| 英文原著 | 5  | Yoshihiko Ishihara, Hisashi Naito, Satoshi Ishizaki, Masafumi Yoshimura<br>Temporal Change in the Match Performance of Football Referees during Youth Top-level Matches: Influence of Match Technical-tactical Data in Same Matches<br>International Journal of Sport and Science. 2017 May; 15 :14-22                                                                  |
| 英文原著 | 6  | Someya Y, Tamura Y, Kohmura Y, Aoki K, Kawai S, Daida H<br>Muscle strength at young age is not associated with future development of type 2 diabetes in Japanese male athletes<br>The Journal of Physical Fitness and Sports Medicine. 2017 May; 6 (3), 167-173                                                                                                         |
| 英文原著 | 7  | Amano A, Kondo Y, Noda Y, Ohta M, Kawanishi N, Machida S, Mitsuhashi K, Senmaru T, Fukui M, Takaoka O, Mori T, Kitawaki J, Ono M, Saibara T, Obayashi H, Ishigami A.<br>Abnormal lipid/lipoprotein metabolism and high plasma testosterone levels in male but not female aromatase-knockout mice.<br>Arch Biochem Biophys. 2017 May 15;622:47-58                        |
| 英文原著 | 8  | Akin S, Naito H, Ogura Y, Ichinoseki-Sekine N, Kurosaka M, Kakigi R, Demirel HA.<br>Short-term treadmill exercise in a cold environment does not induce adrenal Hsp72 and Hsp25 expression.<br>J Physiol Sci. 2017 May;67(3):407-413.                                                                                                                                   |
| 英文原著 | 9  | Ozaki H, Kitada T, Nakagata T, Naito H.<br>Combination of body mass-based resistance training and high-intensity walking can improve both muscle size and v·O <sub>2</sub> peak in untrained older women<br>Geriatr Gerontol Int. 2017 May;17(5):779-784                                                                                                                |
| 英文原著 | 10 | Suzuki M, Shindo D, Suzuki R, Shirataki Y, Waki H.<br>Combined long-term caffeine intake and exercise inhibits the development of diabetic nephropathy in OLETF rats<br>Journal of Applied Physiology. 2017 May;122(5):1321-1328                                                                                                                                        |
| 英文原著 | 11 | Suzuki, Y; Maruyama-Nagao, A; Sakuraba, K; Kawai, S<br>Level of serum undercarboxylated osteocalcin correlates with bone quality assessed by calcaneal quantitative ultrasound sonometry in young Japanese females<br>Experimental and Therapeutic Medicine.2017 May;13(5):1937-1943                                                                                    |

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| 英文原著 | 12 | Kikuchi, N; Zempo, H; Fuku, N; Murakami, H; Sakamaki-Sunaga, M.; Okamoto, T; Nakazato, K ; Miyachi, M<br>Association between ACTN3 R577X Polymorphism and Trunk Flexibility in 2 Different Cohorts<br>International Journal of Sports Medicine. 2017 May; 38(5):402-406                                                                                                     |
| 英文原著 | 13 | Nishimon, S; Ohnuma, T; Takebayashi, Y; K.atsuta, N Takeda, M; Nakamura, T; Sannohe, T; Higashiyama, R; Kimoto, A ; Shibata, N<br>High serum soluble tumor necrosis factor receptor 1 predicts poor treatment response in acute-stage schizophrenia<br>Progress In Neuro-Psychopharmacology & Biological Psychiatry. 2017 Jun.2; 76:145-154                                 |
| 英文原著 | 14 | Sannohe, T; Ohnuma, T; Takeuchi, M; Tani, E; Miki, Y; Takeda, M; Katsuta, N; Takebayashi, Y ; Nakamura, T Nishimon, S<br>High doses of antipsychotic polypharmacy are related to an increase in serum levels of pentosidine in patients with schizophrenia<br>Progress in Neuro-Psychopharmacology & Biological Psychiatry. 2017 Jun.2; 76:42-48                            |
| 英文原著 | 15 | Suzuki, YS; Sakuraba, K; Shinjo, T; Maruyama-Nagao, A; Nakaniida, A; Kadoya, H; Shibata, M; Matsukawa, T; Itoh, H; Yokoyama, K<br>Physical inactivity associated with the risk of non-communicable diseases in Japanese working mothers with young children: A cross-sectional study in Nagano city, Japan Experimental and Therapeutic Medicine. 2017 Jun; 13(6):3103-3108 |
| 英文原著 | 16 | Hashimoto Y, Matsudaira K, Sawada SS, Gando Y, Kawakami R, Kinugawa C, Okamoto T, Tsukamoto K, Miyachi M, Naito H.<br>Obesity and low back pain: a retrospective cohort study of Japanese males. J Phys Ther Sci. 2017 Jun;29(6):978-983.                                                                                                                                   |
| 英文原著 | 17 | Koltai E, Bori Z, Chabert C, Dubouchaud H, Naito H, Machida S, Davies KJ, Murlasits Z, Fry AC, Boldogh I, Radak Z<br>SIRT1 may play a crucial role in overload-induced hypertrophy of skeletal muscle. J Physiol. 2017 Jun 1; 595(11): 3361-3376.                                                                                                                           |
| 英文原著 | 18 | Willems, SM; Wright, DJ; Day, FR; Trajanoska, K; Joshi, PK; Morris, JA; Matteini, AM; Garton, FC; Grarup, N ; Oskolkov, N, Fuku N et al.<br>Large-scale GWAS identifies multiple loci for hand grip strength providing biological insights into muscular fitness<br>Nature Communications. 2017 Jul.12; 8:16015                                                             |
| 英文原著 | 19 | Ueda, Y; Yamanaka, K ; Noritake, A; Enomoto, K; Matsumoto, N; Yamada, H; Samejima, K ; Inokawa, H; Hori, Y; Nakamura, K<br>Distinct Functions of the Primate Putamen Direct and Indirect Pathways in Adaptive Outcome-Based Action Selection, Frontiers In Neuroanatomy. 2017 Aug 3; 11:66                                                                                  |
| 英文原著 | 20 | Fukunaka, A; Fukada, T; Bhin, J; Suzuki, L; Tsuzuki, T; Takamine, Y; Bin, BH; Yoshihara, T; Ichinoseki-Sekine, N; Naito, H<br>Zinc transporter ZIP13 suppresses beige adipocyte biogenesis and energy expenditure by regulating C/EBP-beta expression<br>PLoS Genet. 2017 Aug 30;13(8):e1006950                                                                             |
| 英文原著 | 21 | Pajk, M; Cselko, A; Varga, C ; Posa, A; Tokodi, M ; Boldogh, I; Goto, S; Radak, Z<br>Exogenous nicotinamide supplementation and moderate physical exercise can attenuate the aging process in skeletal muscle of rats<br>Biogerontology. 2017 Aug; 18(4):593-600                                                                                                            |
| 英文原著 | 22 | Noma, T; Takasugi, S; Shioyama, M; Yamaji, T; Itou, H; Suzuki, Y; Sakuraba, K; Sawaki, K.<br>Effects of dietary gelatin hydrolysates on bone mineral density in magnesium-efficient rats BMC Musculoskeletal Disorders. 2017 Sep 5;18:385                                                                                                                                   |
| 英文原著 | 23 | Matsuo, K; Sato, K; Suemoto, K; Miyamoto-Mikami, E; Fulru, N ; Higashida, K; Tsuji, K; Xu, YZ ; Liu, X ; Iemitsu, M<br>A Mechanism Underlying Preventive Effect of High-Intensity Training on Colon Cancer Medicine and Science in Sports and Exercise. 2017 Sep;49(9):1805-1816                                                                                            |

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| 英文原著 | 24 | Fuku, N ; Diaz-Pena, R; Arai, Y; Abe, Y; Zempo, H ; Naito, H; Murakami, H; Miyachi, M; Spuch, C Serra-Rexach, JA<br>Epistasis, physical capacity-related genes and exceptional longevity: FNDC5 gene interactions with candidate genes FOXO3 and APOE<br>BMC Genomics. 2017 Nov 14;18(Suppl 8):803                                                   |
| 英文原著 | 25 | Wang, G; Durussel, J; Shurlock, J; Mooses, M; Fuku, N; Bruinvels, G; Pedlar, C ; Burden, R; Murray, A; Yee, B<br>Validation of whole-blood transcriptome signature during microdose recombinant human erythropoietin (rHuEpo) administration<br>BMC Genomics. 2017 Nov 14; 18(Suppl8):817                                                            |
| 英文原著 | 26 | Okamoto T, Machida S.<br>Changes in FOXO and proinflammatory cytokines in the late stage of immobilized fast and slow muscle atrophy.<br>Biomed Res. 2017 Dec;38(6):331-342.                                                                                                                                                                         |
| 英文原著 | 27 | Funakoshi T, Kanazaki N, Otsuka Y, Izumo T, Shibata H, Machida S.<br>Quercetin inhibits adipogenesis of muscle progenitor cells in vitro Biochem Biophys Res. 2017 Dec 21;13:39-44.                                                                                                                                                                  |
| 英文原著 | 28 | Nakao T, Kohsaka A, Otsuka T, Thein ZL, Le HT, Waki H, Gouraud SS, Ihara H, Nakanishi M, Sato F, Muragaki Y, Maeda M.<br>Impact of heart-specific disruption of the circadian clock on systemic glucose metabolism in mice<br>Chronobiol Int. 2017 Dec 22. [ Epub ahead of print]                                                                    |
| 英文原著 | 29 | Fujita, S; Sakuraba, K; Kubota, A ; Wakamatsu, K; Koikawa, N<br>Stress Fracture Influences Bone Resorption marker (u-NTX) in Female Long Distance Runners<br>International Journal of Sports Medicine. 2017 Dec;38(14):1070-1075                                                                                                                     |
| 英文原著 | 30 | Zempo, H; Miyamoto-Mikami, E; Kikuchi, N; Fuku, N; Miyachi, M; Murakami, H<br>Heritability estimates of muscle strength-related phenotypes: A systematic review and meta- analysis<br>Scandinavian Journal of Medicine & Science in Sports. 2017 Dec;27(12): 1537-1546                                                                               |
| 英文原著 | 31 | Aibast, H ; Okutoyi, P; Sigei, T ; Adero, W; Chemjor, D; Ongaro, N ; Fuku, N ; Konstabel, K ; Clark, C; Lieberman, DE<br>Foot Structure and Function in Habitually Barefoot and Shod Adolescents in Kenya Current Sports Medicine Reports. 2017 Dec; 16(6):448-458                                                                                   |
| 英文原著 | 32 | Takeshita, Y; Shibata, N; Kasanuki, K; Nagata, T; Shinagawa, S; Kobayashi, N ; Ohnuma, T; Suzuki, A; Kawai, E; Takayama, T<br>Genetic association between RAGE polymorphisms and Alzheimer's disease and Lewy body dementias in a Japanese cohort: a case-control study<br>International Journal of Geriatric Psychiatry. 2017 Dec; 32(12):1241-1246 |
| 英文原著 | 33 | S. Hashizume, T. Yanagiya<br>A Forefoot Strike Requires the Highest Forces Applied to the Foot Among Foot Strike Patterns<br>Sports Medicine International Open 2017; 1:E37-E42.                                                                                                                                                                     |