

Year	Papers
2026	IL-1 Delineates Squalene-Based Adjuvant Efficacy and Reactogenicity in a Cell-Type-Specific Manner. Yoshioka, Y.; Nishinaka-Yoshioka, A.; Kobiyama, K.; Hayashi, T.; Kidani, Y.; Yanagida, Y.; Kasahara, J.; Tsujii, K.; Asaoka, Y.; Kuroda, N.; Kugimiya, A.; Osawa, H.; Yoshimura, A.; Onishi, M.; Nakagawa, T.; Ishida, S.; Omoto, S.; Nagira, M.; Coban, C.; Ishii, K. J. <i>npj Vaccines</i> 2026, <i>11</i> (1), 67. doi: https://doi.org/10.1038/s41541-026-01420-0.
2026	Weight Loss by Sodium-Glucose Co-Transporter 2 Inhibitor Canagliflozin Is Followed by Rebound in Db/Db Mice but Maintained in Fat-Fed Mice via Circadian Rises in Body Temperature and Locomotor Activity. Wang, L.; Han, W.; Zhantleu, D.; Banno, S.; Rakhat, Y.; Kulzhanova, N.; Yussupov, A.; Iwasaki, Y.; Nakata, M.; Yabe, D.; Seino, Y.; Yada, T. <i>The Journal of Physiological Sciences</i> 2026, <i>76</i> (2), 100079. doi: https://doi.org/10.1016/j.jphys.2026.100079.
2026	Multi-Tissue Transcriptomic Profiling Reveals the Internal Physiological Landscape of Laying Hens in Cage and Cage-Free Systems. Shimura, N. N.; Asagi, E.; Matsubara, T.; Sato, I.; Higashiura, Y.; Nakamura, S.; Kase, C.; Nagano, A. J.; Tomonaga, S.; Shiraishi, J.; Kurogi, K.; Matsuo, R.; Yasuo, S.; Goto, T.; Sato, K.; Shimmura, T. <i>Poultry Science</i> 2026, <i>105</i> (5), 106650. doi: https://doi.org/10.1016/j.psj.2026.106650.
2026	Chronic Random Sleep Deprivation Causes Prolonged Pain Hypersensitivity via the Anterior Cingulate Cortex. Nakano, K.; Koga, K.; Kadoya, M.; Yamada, A.; Kobayashi, K.; Pickering, A. E.; Koyama, H.; Furue, H. <i>iScience</i> 2026, <i>29</i> (2), 114750. doi: https://doi.org/10.1016/j.isci.2026.114750.
2026	UNC45B Reduction With Aging: A Myofiber - Intrinsic Promoting Factor for Sarcopenia. Mishima, T.; Nagamune, T.; Tada, S.; Watanabe, D.; Tokuda, N.; Yamada, T.; Hashimoto - Hachiya, A.; Higo - Yamamoto, S.; Kido, K.; Nagaoka, N.; Ikedo, A.; Imai, Y.; Fujita, R.; Mizuno, S.; Takahashi, S.; Oishi, K.; Ato, S.; Ogasawara, R. <i>Aging Cell</i> 2026, <i>25</i> (5), e70502. doi: https://doi.org/10.1111/accel.70502.

2025	Estradiol Enhances Thermoregulation Induced by Ostruthin, a TREK Channel Agonist, in Ovariectomized Rats. Uchida, Y.; Kamijo, S.; Samejima, Y.; Onimaru, H.; Hosonuma, M.; Isobe, H.; Ikeda, K.; Honma, M.; Masaoka, Y.; Izumizaki, M. <i>The Journal of Physiological Sciences</i> 2025, 75 (3), 100044. doi: https://doi.org/10.1016/j.jphyss.2025.100044.
2025	Involvement of Membrane Palmitoylated Protein 6 (MPP6) in Synapses of Mouse Cerebrum. Saitoh, Y.; Motofuji, S.; Kamijo, A.; Suzuki, T.; Yoshizawa, T.; Sakamoto, T.; Kametani, K.; Terada, N. <i>Histochem Cell Biol</i> 2025, 163 (1), 50. doi: https://doi.org/10.1007/s00418-025-02378-1.
2024	Thermal Gradient Ring for Analysis of Temperature-Dependent Behaviors Involving TRP Channels in Mice. Ujisawa, T.; Lei, J.; Kashio, M.; Tominaga, M. Ujisawa, T.; Lei, J.; Kashio, M.; Tominaga, M. <i>The Journal of Physiological Sciences</i> 2024, 74 (1), 9. doi: https://doi.org/10.1186/s12576-024-00903-w.
2024	Ostruthin, a TWIK-Related Potassium Channel Agonist, Increases the Body Temperature in Ovariectomized Rats With or Without Progesterone Administration. Uchida, Y.; Samejima, Y.; Kamijo, S.; Hosonuma, M.; Izumizaki, M. <i>Cureus</i> 2024. doi: https://doi.org/10.7759/cureus.65706.
2024	Mice with Deficiency in Pcdh15, a Gene Associated with Bipolar Disorders, Exhibit Significantly Elevated Diurnal Amplitudes of Locomotion and Body Temperature. Mori, D.; Inami, C.; Ikeda, R.; Sawahata, M.; Urata, S.; Yamaguchi, S. T.; Kobayashi, Y.; Fujita, K.; Arioka, Y.; Okumura, H.; Kushima, I.; Kodama, A.; Suzuki, T.; Hirao, T.; Yoshimi, A.; Sobue, A.; Ito, T.; Noda, Y.; Mizoguchi, H.; Nagai, T.; Kaibuchi, K.; Okabe, S.; Nishiguchi, K.; Kume, K.; Yamada, K.; Ozaki, N. <i>Transl Psychiatry</i> 2024, 14 (1), 216. doi: https://doi.org/10.1038/s41398-024-02952-6.
2024	Phenotypes for General Behavior, Activity, and Body Temperature in 3q29 Deletion Model Mice. Mori, D.; Ikeda, R.; Sawahata, M.; Yamaguchi, S.; Kodama, A.; Hirao, T.; Arioka, Y.; Okumura, H.; Inami, C.; Suzuki, T.; Hayashi, Y.; Kato, H.; Nawa, Y.; Miyata, S.; Kimura, H.; Kushima, I.; Aleksic, B.; Mizoguchi, H.; Nagai, T.; Nakazawa, T.; Hashimoto, R.; Kaibuchi, K.; Kume, K.; Yamada, K.; Ozaki, N. <i>Transl Psychiatry</i> 2024, 14 (1), 138. doi: https://doi.org/10.1038/s41398-023-02679-w.

2024	Sex-Dependent Effects of Chronic Jet Lag on Circadian Rhythm and Metabolism in Mice. Ma, T.; Matsuo, R.; Kurogi, K.; Miyamoto, S.; Morita, T.; Shinozuka, M.; Taniguchi, F.; Ikegami, K.; Yasuo, S. <i>Biol Sex Differ</i> 2024, <i>15</i> (1), 102. doi: https://doi.org/10.1186/s13293-024-00679-z.
2024	Long-Lasting Adverse Effects of Short-Term Stress during the Suckling–Mastication Transition Period on Masticatory Function and Intraoral Sensation in Rats. Katagiri, A.; Yamada, M.; Sato, H.; Toyoda, H.; Niwa, H.; Kato, T. <i>Odontology</i> 2024, <i>112</i> (3), 906–916. doi: https://doi.org/10.1007/s10266-023-00887-w.
2024	Effect of Chronic Intermittent Hypoxia on Ocular and Intraoral Mechanical Allodynia Mediated via the Calcitonin Gene-Related Peptide in a Rat. Katagiri, A.; Kishimoto, S.; Okamoto, Y.; Yamada, M.; Niwa, H.; Bereiter, D. A.; Kato, T. <i>SLEEP</i> 2024, <i>47</i> (3), zsad332. doi: https://doi.org/10.1093/sleep/zsad332
2024	Risperidone Suppresses Caffeine-Induced Hyperthermia and Hyperactivity in Rats. Takano, M.; Okada, T.; Shioda, K.; Yonekawa, C.; Suda, S. <i>Neuroscience Letters</i> 2024, <i>840</i>, 137960. doi: https://doi.org/10.1016/j.neulet.2024.137960.
2024	Supplementation with Autologous Adipose Stem Cell-Derived Mitochondria Can Be a Safe and Promising Strategy for Improving Oocyte Quality. Kankanam Gamage, S. U.; Hashimoto, S.; Miyamoto, Y.; Nakano, T.; Yamanaka, M.; Kitaji, H.; Takada, Y.; Matsumoto, H.; Koike, A.; Satoh, M.; Ichishi, M.; Watanabe, M.; Morimoto, Y. <i>J Assist Reprod Genet</i> 2024, <i>41</i> (8), 2065–2077. doi: https://doi.org/10.1007/s10815-024-03137-2.
2024	A Novel Methodology Utilizing Microchip Implants to Monitor Individual Activity and Body Temperature for Assessing Knee Pain in Group-Housed Rats. Hasegawa, S.; Yamashita, R.; Nakagawa, Y.; Miyatake, K.; Katagiri, H.; Nakamura, T.; Koga, H.; Sekiya, I.; Yoshii, T.; Rosen, V.; Tsuji, K. <i>Sci Rep</i> 2024, <i>14</i> (1), 16909. doi: https://doi.org/10.1038/s41598-024-67024-7.
2024	Acute Vigorous Exercise Decreases Subsequent Nonexercise Physical Activity and Body Temperature Linked to Weight Gain. Funabashi, D.; Dobashi, S.; Sameshima, K.; Sagayama, H.; Nishijima, T.; Matsui, T. <i>Medicine & Science in Sports & Exercise</i> 2024, <i>56</i> (10), 1964–1975. doi: https://doi.org/10.1249/MSS.0000000000003487.

2023	Enlarged Housing Space and Increased Spatial Complexity Enhance Hippocampal Neurogenesis but Do Not Increase Physical Activity in Mice. Funabashi, D.; Tsuchida, R.; Matsui, T.; Kita, I.; Nishijima, T. <i>Front. Sports Act. Living</i> 2023, <i>5</i>, 1203260. doi: https://doi.org/10.3389/fspor.2023.1203260.
2022	Recommended Doses of Medetomidine-Midazolam-Butorphanol with Atipamezole for Preventing Hypothermia in Mice. Tashiro, M.; Tohei, A. <i>J Vet Med Sci</i> 2022, <i>84</i> (3), 445–453. doi: https://doi.org/10.1292/jvms.21-0479.
2022	Thermoregulatory Heat-Escape/Cold-Seeking Behavior in Mice and the Influence of TRPV1 Channels. Masuda, Y.; Sakai, R.; Kato, I.; Nagashima, K. <i>PLoS ONE</i> 2022, <i>17</i> (11), e0276748. doi: https://doi.org/10.1371/journal.pone.0276748.
2022	Souma, S. Less Invasive, Simultaneous, and Continuous Measurements of Locomotor Activity and Body Temperature Using the Nano Tag® Small Accelerometer Device in Cynomolgus Monkeys. Kishida, T.; Motokawa, Y.; Yokoi, R. <i>Journal of Pharmacological and Toxicological Methods</i> 2022, <i>118</i>, 107224. https://doi.org/10.1016/j.vascn.2022.107224.
2022	Social Isolation Is a Direct Determinant of Decreased Home-Cage Activity in Mice: A within-Subjects Study Using a Body-Implantable Actimeter. Funabashi, D.; Wakiyama, Y.; Muto, N.; Kita, I.; Nishijima, T. <i>Exp Physiol</i> 2022, <i>107</i> (2), 133–146. doi: https://doi.org/10.1113/EP090132.
2021	Comparison of Neurotransmitter Levels, Physiological Conditions, and Emotional Behavior between Isolation - housed Rats with Group - housed Rats. Kaneda, Y.; Kawata, A.; Suzuki, K.; Matsunaga, D.; Yasumatsu, M.; Ishiwata, T. <i>Developmental Psychobiology</i> 2021, <i>63</i> (3), 452–460. doi: https://doi.org/10.1002/dev.22036.
2020	Duration of Thermal Support for Preventing Hypothermia Induced by Anesthesia with Medetomidine-Midazolam-Butorphanol in Mice. Tashiro, M.; Hosokawa, Y.; Amao, H.; Tohei, A. <i>J. Vet. Med. Sci.</i> 2020, <i>82</i> (12), 1757–1762. doi: https://doi.org/10.1292/jvms.20-0256.

2020	Simplified Drug Efficacy Screening System for Sleep-Disorder Drugs Using Non-Human Primates. Sakai, K.; Ishikawa, A.; Mizuno, Y.; Maki, T.; Oda, Y.; Takahashi, E. <i>Heliyon</i> 2020, <i>6</i> (3), e03524. doi: https://doi.org/10.1016/j.heliyon.2020.e03524.
2019	Continuous Measurement of Locomotor Activity during Convalescence and Acclimation in Group-Housed Rats. Yoshizawa, T.; Shimada, S.; Takizawa, Y.; Makino, T.; Kanada, Y.; Ito, Y.; Ochiai, T.; Matsumoto, K. <i>Exp. Anim.</i> 2019, <i>68</i> (3), 277–283. doi: https://doi.org/10.1538/expanim.18-0097.
2019	Hyperreflexia Induced by XLR-11 Smoke Is Caused by the Pyrolytic Degradant. Hataoka, K.; Kaizaki-Mitsumoto, A.; Takebayashi-Ohsawa, M.; Hattori, N.; Funada, M.; Numazawa, S. <i>Forensic Toxicol</i> 2019, <i>37</i> (2), 412–423. doi: https://doi.org/10.1007/s11419-019-00476-z.
2018	Does Environmental Enrichment Increase Locomotor Activity in Rats? Evidence from an Implanted Sensor Device. Sudo, M.; Nagamatsu, T.; Ando, S. Physical Fitness Research Institute Meiji Yasuda Life Foundation of Health and Welfare 2018. doi: https://doi.org/10.20793/tairyokukenkyu.116.0_29.
2017	Pyrolysis of UR-144, a Synthetic Cannabinoid, Augments an Affinity to Human CB₁ Receptor and Cannabimimetic Effects in Mice. Kaizaki-Mitsumoto, A.; Hataoka, K.; Funada, M.; Odanaka, Y.; Kumamoto, H.; Numazawa, S. <i>J. Toxicol. Sci.</i> 2017, <i>42</i> (3), 335–341. doi: https://doi.org/10.2131/jts.42.335.