

氏名	所属	職名	取得学位	専門分野	主な論文・著作・業績
古山 和道	生化学講座 分子医化学分野	教授	博士(医学)	医化学関連 病態医化学関連 分子生物学関連	①: Furuyama K. and Sassa S.. Interaction between succinyl CoA synthetase and the heme-biosynthetic enzyme ALAS-E is disrupted in sideroblastic anemia. J Clin Invest. 2000;105:757-64. ②: Furuyama K. and Yamamoto M. Differential regulation of 5-aminolevulinate synthase isozymes in vertebrates. Ferreira GC, Kadish KM, Smith KM, Guillard R edited, Handbook of Porphyrin Science, Vol. 27, p.2-41, 2013 ③: Kaneko K, Furuyama K, Fujiwara T, Kobayashi R, Ishida H, Harigae H, Shibahara S. Identification of a novel erythroid-specific enhancer for the ALAS2 gene and its loss-of-function mutation which is associated with congenital sideroblastic anemia. Haematologica 2014; 99: 252-61. ④: Suzuki K, Kubota Y, Kaneko K, Kamata C. C., Furuyama K. CLPX regulates mitochondrial fatty acid beta-oxidation in liver cells. J Biol Chem. 2023; 299 (10): 105210- DOI: 10.1016/j.jbc.2023.105210 ⑤: 文部科学省科学研究費補助金 基盤研究C「課題名：環状鉄芽球における細胞死のメカニズムの解明（課題番号 21K06874）」2021年－2023年
久保田 美子	生化学講座 分子医化学分野	准教授	修士(理学) 博士(理学) 博士(医学)	分子生物学関連 機能生物化学関連 医化学関連	①:Kubota, Y., A. Shimada and A. Shima. 1995. DNA alterations detected in the progeny of paternally irradiated Japanese medaka fish (Oryzias latipes). Proc. Natl. Acad. Sci. USA. 92. 330-334. ②: Kubota Y., Nash RA, Klungland A, Schar P, Barnes DE, Lindahl T. 1996. Reconstitution of DNA base excision-repair with purified human proteins: interaction between DNA polymerase beta and the XRCC1 protein. EMBO J. 15(23):6662-70. ③: Kubota, Y., Takanami, T., Higashitani, A. and Horiuchi, S. 2009. Localization of X-ray Cross Complementing Gene 1 Protein in The Nuclear Matrix is Controlled by Casein Kinase II-dependent Phosphorylation in Response to Oxidative Damage. DNA Repair, 8, 953-960. ④:Kubota,Y., Shimizu,S., Yasuhira, S., Horiuchi, S. 2016. SNF2H interacts with XRCC1 and is involved in repair of H2O2-induced DNA damage. DNA Repair, 43,69–77. ⑤: Kubota Y, Nomura K, Katoh Y, Yamashita R.,Kaneko K., Furuyama K. 2016. Novel Mechanisms for Heme-dependent Degradation of ALAS1 Protein as a Component of Negative Feedback Regulation of Heme Biosynthesis. J Biol Chem. 291(39), 20516-20529.

金子 桐子	生化学講座 分子医化学分野	講師	修士(医学) 博士(医学)	分子生物学関連 細胞生物学関連	①: Kaneko K, Furuyama K, Aburatani K, Shibahara S. Hypoxia induces erythroid-specific 5-aminolevulinate synthase expression in human erythroid cells through Transforming Growth Factor beta・signaling. FEBS J 2009;276:1270-82. ②: Kaneko K, Furuyama K, Fujiwara T, Kobayashi R, Ishida H, Harigae H, Shibahara S. Identification of a novel erythroid-specific enhancer for ALAS2 gene and its loss-of-function mutation which is associated with congenital sideroblastic anemia. Haematologica 2014; 99: 252-61. ③: Kubota Y, Nomura K, Katoh Y, Yamashita R.,Kaneko K., Furuyama K. Novel Mechanisms for Heme-dependent Degradation of ALAS1 Protein as a Component of Negative Feedback Regulation of Heme Biosynthesis. J Biol Chem. 2016;291:20516-20529. ④: Kaneko K, Kubota Y, Nomura K, Hayashimoto H, Chida T, Yoshino N, Wayama M, Ogasawara K, Nakamura Y, Tooyama I, Furuyama K. Establishment of a cell model of X-linked sideroblastic anemia using genome editing. Exp Hematol. 2018;65:57-68 ⑤: Suzuki K, Kubota Y, Kaneko K, Kamata C. C., Furuyama K. CLPX regulates mitochondrial fatty acid beta-oxidation in liver cells. J Biol Chem. 2023; 299 (10): 105210- DOI: 10.1016/j.jbc.2023.105210
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高橋 隼一郎	生化学講座 分子医化学分野	助教	博士（薬学）	分子生物学関連 細胞生物学関連	①: Yonehara K, Zhou Y, Takahashi JI, Yokoyama S, Tomihara K, Noguchi M, Sakurai H, RSK-Mediated Non-canonical Activation of EphA2 by Tamoxifen. Biol Pharm Bull. 2022, 45(2), 162-168 ②: Haryuni RD, Tanaka T, Takahashi JI, Onuma I, Zhou Y, Yokoyama S, Sakurai H, Temozolomide Induces Endocytosis of EGFRvIII via p38-Mediated Non-canonical Phosphorylation in Glioblastoma Cells. Biol Pharm Bull. 2021, 44(11), 1681-1687 ③: Takahashi JI, Nakamura S, Onuma I, Zhou Y, Yokoyama S, Sakurai H, Synchronous intracellular delivery of EGFR-targeted antibody-drug conjugates by p38-mediated non-canonical endocytosis. Sci Rep. 2022, 12(1), 11561 ④: Yamagishi N, Takahashi JI, Zhou Y, Yokoyama S, Makino T, Shimizu T, Sakurai H, Non-canonical regulation of EGFR by the air pollutant 9,10-phenanthrenequinone. Biol Pharm Bull. 2022, 45(10), 1553-1558 ⑤:Zhou Y, Takahashi JI, Sakurai H, New Directions for Advanced Targeting Strategies of EGFR Signaling in Cancer. Biol Pharm Bull. 2024, 47(5), 895-903