

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 the novel erythroid-specific enhancerfor ALAS2 heme and its loss-of-function mutation 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 induceserythroid-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 the novel erythroid-specific enhancerfor ALAS2 heme and its loss-of-function mutation 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: 文部科学省科学研究費補助金 基盤C「課題名：鉄芽球性貧血モデル細胞を用いたミトコンドリア鉄蓄積機構の解析」（研究課題番号：21K08375）2021-2023

鈴木 亘	生化学講座 分子医化学分野	助教	博士（理学）	機能生物化学関連 病態医化学関連 代謝および内分泌学 関連	①: Sato K, Minegishi S, Takano J, Plattner F, Saito T, Asada A, Kawahara H, Iwata N, Saido TC., Hisanaga S, Calpastatin, an endogenous calpain-inhibitor protein, regulates the cleavage of the Cdk5 activator p35 to p25. Journal of Neurochemistry 117(3) 504-515 2011 ②: Taoka M, Nobe Y, Yamaki Y, Sato K, Ishikawa H, Izumikawa K, Yamauchi Y, Hirota K, Nakayama H, Takahashi N, Isobe T, Landscape of the complete RNA chemical modifications in the human 80S ribosome. Nucleic Acids Research Vol.46 No.18 9289-9298, 2018 ③: 鈴木亘、Costantine Chasama Kamata、古山和道 質量分析による赤芽球特異的5-アミノレブリン酸合成酵素複合体タンパク質の解析 岩手医学雑誌 2023, 75 (2), 69-79 ④: Suzuki K, Kubota Y, Kaneko K, Kamata CC, Furuyama K, CLPX regulates mitochondrial fatty acid β -oxidation in liver cells. Journal of Biological Chemistry, Vol. 299, Issue 10, 105210, 2023 ⑤: 文部科学省科学研究費補助金 基盤C「課題名：肝細胞におけるCLPXによる代謝シフトのメカニズムおよびその生理的意義の解明」（研究課題番号：24K11701）2024-2027
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