

生化学講座 分子医化学分野

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 enhancer for ALAS2 gene and its loss-of-function mutation associated with congenital sideroblastic anemia. Haematologica. 2014;99:252-261 ④: 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(39): 20516-20529. 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 (<i>Oryzias latipes</i>). 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 the novel erythroid-specific enhancer for 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

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氏名	所属	職名	取得学位	専門分野	主な論文・著作・業績
鈴木 亘	生化学講座 分子医化学分野	助教	博士（理学）	分子生物学関連 機能生物化学関連 神経科学一般関連	<p>①: Sato K, Zhu YS, Saito T, Yotsumoto K, Asada A, Hasegawa M, Hisanaga S, Regulation of membrane association and kinase activity of Cdk5-p35 by phosphorylation of p35. Journal of Neuroscience Research 85 3071-3078 2007</p> <p>②: 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</p> <p>③: 文部科学省科学研究費補助金 若手研究(B)「課題名：分子コシヤペロンFKBP5による神経細胞内凝集機構の解明(研究課題番号：26870846)」2014年度～2016年度</p> <p>④: 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</p> <p>⑤: Kamal MM, Ishikawa S, Takahashi F, Suzuki K, Kamo M, Umezawa M, Shinozaki K, Kawamura Y, Uemura M, Large-Scale Phosphoproteomic Study of Arabidopsis Membrane Proteins Reveals Early Signaling Events in Response to Cold. Int. J. Mol. Sci. 2020, 21(22), 8631; https://doi.org/10.3390/ijms21228631</p>