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)	生化学 医化学 病態医化学	1: Furuyama K., Fujita H., Nagai T., Yomogida K., Munakata H., Kondo M., Kimura A., Kuramoto A., Hayashi N., Yamamoto M.. Pyridoxine refractory X-linked sideroblastic anemia caused by a point mutation in the erythroid 5-aminolevulinate synthase gene. Blood. 1997;90:822-30. 2: 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. 3: Furuyama K. and Yamamoto M. Differential regulation of 5-aminolevulinate synthase isozymes in vertebrates. Ferreira GC, Kadish KM, Smith KM, Guilard R edited, Handbook of Porphyrin Science, Vol. 27, p.2-41, 2013 4: 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 5: 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.
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 細胞生物学 医化学一般	1:Kubota, Y. and S. Horiuchi. 2003. Independent roles of XRCC1's two BRCT motifs in recovery from methylation damage, DNA Repair, 2, 407-415. 2: 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. 3: D. Tanokashira, T. Morita, K. Hayashi, T. Mayanagi, K.Fukumoto, Y. Kubota, T.Yamashita, and K. Sobue. 2012. Glucocorticoid suppresses dendritic spine development mediated by down-regulation of caldesmon expression. The Journal of Neuroscience, 32(42), 14583-14591. 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.

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
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 細胞生物学 病態検査学	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明」
野村　和美	生化学講座分子医化学分野	助教	修士(理学) 博士(医学)	分子生物学 細胞生物学	1: Ono S., Nomura K, Hitosugi S., Tu D.K., Lee J.A., Baillie D.L., Ono K. The two actin-interacting protein 1 genes have overlapping and essential function for embryonic development in Caenorhabditis elegans. Mol Biol Cell. 2011;22(13):2258-69. 2: Nomura K., Ono K., Ono S. CAS-1, a C. elegans cyclase-associated protein, is required for sarcomeric actin assembly in striated muscle. J Cell Sci. 2012;125(Pt 17):4077-89 3: Nomura K. and Ono S. CAS-2, a Caenorhabditis elegans cyclase-associated protein, promotes actin polymerization from cofilin-bound actin monomers in an ATP-dependent manner. Biochem J., 2013; 453(2):249-59. 4: Nomura K, Hayakawa K, Tatsumi H, Ono S. Actin-interacting Protein 1 Promotes Disassembly of Actin-depolymerizing Factor/Cofilin-bound Actin Filaments in a pH-dependent Manner. J Biol Chem. 2016;291(10):5146-56. 5: 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.