

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、 分子生物学、 病態医化学	<p>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. <i>Blood</i>. 1997;90:822-30.</p> <p>2: Nakajima O., Takahashi S., Harigae H., Furuyama K., Hayashi N., Sassa S., Yamamoto M. Heme deficiency in erythroid lineage causes differentiation arrest and cytoplasmic iron overload. <i>EMBO J</i>. 1999;18:6282-9.</p> <p>3: Furuyama K. and Sassa S.. Interaction between succinyl CoA synthetase and the heme-biosynthetic enzyme ALAS-E is disrupted in sideroblastic anemia. <i>J Clin Invest</i>. 2000;105:757-64.</p> <p>4: Furuyama K. and Yamamoto M. Differential regulation of 5-aminolevulinate synthase isozymes in vertebrates. Ferreira GC, Kadish KM, Smith KM, Guillard R edited, <i>Handbook of Porphyrin Science</i>, Vol. 27, p.2-41, 2013</p> <p>5: 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. <i>Haematologica</i>. 2014;99:252-261</p>
久保田 美子	生化学講座分子医化学分野	准教授	博士(理学) 博士(医学)	分子生物学、 細胞生物学、 医化学一般	<p>1: 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. <i>EMBO J</i>. 15(23):6662-70.</p> <p>2: Kubota, Y. and S. Horiuchi. 2003. Independent roles of XRCC1's two BRCT motifs in recovery from methylation damage. <i>DNA Repair</i>, 2, 407-415.</p> <p>3: Pachkowski, B. F., Winkel, S., Kubota, Y., Swenberg, J., Millikan, R. C. and Nakamura, J. 2006. XRCC1 Genotype and Breast Cancer: Functional Studies and Epidemiologic Data Show Interactions between XRCC1 Codon 280 His and Smoking. <i>Cancer Res</i>. 66 (5), 2860-2868.</p> <p>4: 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. <i>DNA Repair</i>, 8, 953-960.</p> <p>5: 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. <i>The Journal of Neuroscience</i>, 32(42), 14583-14591.</p>

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	<p>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 β signaling. FEBS J 2009;276:1270-382.</p> <p>2: Kadirvel S, Furuyama K, Harigae H, Kaneko K, Tamai Y, Ishida Y, Shibahara S. The carboxyl-terminal region of erythroid-specific 5-aminolevulinate synthase acts as an intrinsic modifier for its catalytic activity and protein stability. Exp Hematol 2012;40:477-86.</p> <p>3: Kaneko K, Nishiyama H, Ohba K, Shibasaki A, Hirose T, Totsune K, Furuyama K, Takahashi K. Expression of (pro)renin receptor in human erythroid cell lines and its increased protein accumulation by interferon-γ peptides. Peptides 2012;37:285-9.</p> <p>4: 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.</p>
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	<p>1) 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.</p> <p>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</p> <p>3) 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.</p> <p>4) Nomura K., Castanon-Cervantes O., Davidson A., Fukuhara C. Selective serotonin reuptake inhibitors and raft inhibitors shorten the period of Period1-driven circadian bioluminescence rhythms in rat-1 fibroblasts. Life Sci. 2008;82(23-24):1169-74.</p> <p>5) Nomura K., Takeuchi Y., Fukunaga K. MAP kinase additively activates the mouse Per1 gene promoter with CaM kinase II. Brain Res. 2006;1118(1):25-33.</p>