

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	<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. Blood. 1997;90:822-30.</p> <p>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.</p> <p>3: 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</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 gene and its loss-of-function mutation associated with congenital sideroblastic anemia. Haematologica. 2014;99:252-261</p> <p>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.</p>
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	<p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>

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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	<p>1: Kaneko K, Furuyama K, Aburatani K, Shibahara S. Hypoxia induces erythroid-specific 5-aminolevulinic synthase expression in human erythroid cells through Transforming Growth Factor beta signaling. FEBS J 2009;276:1270-82.</p> <p>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.</p> <p>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.</p> <p>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</p> <p>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」</p>
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, Saïdo TC., Hisanaga S, Galpastatin, 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: 佐藤亘、橋本翔子、一色隼人、西道隆臣、最新医学別冊 新しい診断と治療のABC 22/神経3アルツハイマー型認知症 改訂第2版 (田平武 編集) 第2章 病因・病態生理 病態発症機構 2014年8月</p> <p>4: 文部科学省科学研究費補助金 若手研究(B)「課題名：分子コシャペロンFKBP5による神経細胞内凝集機構の解明(研究課題番号：26870846)」平成26年度～27年度</p> <p>5: 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>