氏名	所属	職名	取得学位	専門分野	主な論文・著作・業績
二井　將光	機能生化学講座	教授	薬学博士	機能生物化学、細胞生物学、分子生物学	①平成２３年度　研究シーズ探索プログラム（JST） 課題名「創薬を目指すATPaseの回転触媒と細胞機能」 ②Y. Sambongi, Y. Iko, M. Tanabe, H. Omote, A. Iwamoto-Kihara, I. Ueda, T. Yanagida, Y. Wada and M. Futai, Mechanical rotation of c subunit oligomer in ATP synthase (FoF1): direct observation. Science, 286, 1722 - 1724 (1999). ③G.-H. Sun-Wada, T. Toyomura, T. Murata, A. Yamamoto, M. Futai, The a3 isoform of V-ATPase regulates insulin secretion from pancreatic beta-cells. J Cell Sci. Nov. 119 (21) 4531-40 (2006). ④M. Nakanishi-Matsui, S. Kashiwagi, T. Ubukata, A. Iwamoto-Kihara, Y. Wada, and M. Futai, Rotational catalysis of Escherichia coli ATP synthase F1 sector: stochastic fluctuation and a key domain of the β subunit. J. Biol. Chem. 282, 20698-20704 (2007) ⑤M. Sekiya, H. Hosokawa, M. Nakanishi-Matsui, M. K. Al-Shawi, R. K. Nakamoto and M. Futai: Single molecule behavior of inhibited and active states of Escherichia coli ATP synthase F1 rotation. J. Biol. Chem. 285, 42058-42067 (2010)
中西　真弓	機能生化学講座	准教授			
岡本　晴子	機能生化学講座	特任講師	博士（理学）	生化学、分子遺伝学、植物生理学	① “Jasmonate and phytochrome A signalling in Arabidopsis wound and shade responses are integrated through JAZ1 stability.” Robson F, Okamoto H, Patrick E, Harris SR, Wasternack C, Brealey C, Turner JG（査読有）Plant Cell 22: 1143-1160 (2010) ② “The alpha subunit of the heterotrimeric G-protein affects jasmonate responses in Arabidopsis thaliana.” Okamoto H, Göbel C, Capper RG, Saunders N, Feussner I, Knight MR（査読有; corresponding author ）J. Exp. Bot. 60:1991-2003 (2009) ③12) Okamoto H, Matsui M, Deng X-W. “Overexpression of the heterotrimeric G-protein ・-subunit enhances phytochrome mediated inhibition of hypocotyl elongation in Arabidopsis.” Plant Cell 13: 1639-1651 (2001) ④招待講演：“G-protein and all that JAZ” Department of Plant Sciences, University of Oxford. 22 May 2008 ⑤文部科学省科学研究費補助金「課題名：一分子観察による植物のプロトンポンプＶ－ＡＴＰａｓｅの細胞内ｐＨ恒常性維持機構」2010年

氏名	所属	職名	取得学位	専門分野	主な論文・著作・業績
後藤（松元）　奈緒美	機能生化学講座	助教	理学（博士）	分子細胞生物学	① Y. Fujiki, N. Miyata, N. Matsumoto, S. Tamura Dynamic and functional assembly of the AAA peroxins, Pex1p and Pex6p, and their membrane receptor Pex26p involved in shuttling of the PTS1 receptor Pex5p in peroxisome biogenesis. / Biochem. Soc. Trans.36.109-113(2008) ② S. Tamura, S. Yasutake, N. Matsumoto, Y. Fujiki Dynamic and functional assembly of the AAA peroxins, Pex1p and Pex6p, and their membrane receptor Pex26p / J. Biol. Chem.281. 27693-27704(2006) ③ S. Furuki, S. Tamura, N. Matsumoto, N. Miyata, A. Moser, H.W. Moser, Y. Fujiki Mutations in the Peroxin Pex26p responsible for Peroxisome Biogenesis Disorders of Complementing Group 8 impair Its Stability, Peroxisomal Localization, and Interaction with Pex1p-Pex6p Complex / J. Biol. Chem.281.1317-1327(2006)
關谷　瑞樹	機能生化学講座	助教	薬学	機能生物化学、天然物化学	①Sekiya, M., Hosokawa, H., Nakanishi-Matsui, M., Al-Shawi, M.K., Nakamoto, R.K., Futai, M. :Single molecule behavior of inhibited and active states of Escherichia coli ATP synthase F1 rotation / J. Biol. Chem. 285:42058-42067 (2010) ②Sekiya, M., Nakamoto, R.K., Al-Shawi, M.K., Nakanishi-Matsui, M., Futai, M. :Temperature dependence of single molecule rotation of the Escherichia coli ATP synthase F1 sector reveals the importance of gamma-beta subunit interactions in the catalytic dwell / J. Biol. Chem. 284:22401-22410 (2009) ③Sekiya, M., Ueda, K., Okazaki, K., Terashima, J., Katou, Y., Kikuchi, H., Kurata, S., Oshima, Y. :A phytoceramide analog stimulates the production of chemokines through CREB activation in human endothelial cells / Int. Immunopharmacol. in press (2011) ④Sekiya, M., Ueda, K., Okazaki, K., Kikuchi, H., Kurata, S., Oshima, Y. : A cyclopentanediol analogue selectively suppresses the conserved innate immunity pathways, Drosophila IMD and TNF-alpha pathways / Biochem. Pharmacol. 75:2165-2174 (2008) ⑤文部科学省科学研究費補助金・若手研究スタートアップ「課題名：骨粗鬆症を標的とする組織特異的プロトンポンプATPase 阻害薬の探索」2009年