

構造生物薬学講座

| 氏名     | 所属       | 職名 | 取得学位   | 専門分野            | 主な論文・著作・業績  |
|--------|----------|----|--------|-----------------|---|
| 野中 孝昌  | 構造生物薬学講座 | 教授 | 博士（工学） | 構造生物化学<br>物理系薬学 | <p>①Ideo, H., Matsuzaka, T., Nonaka, T., Seko, A. and Yamashita, K.: Galectin-8-N-domain recognition mechanism for sialylated and sulfated glycans. / <i>J. Biol. Chem.</i> 286: 275-282 (2011).</p> <p>②Tamura, M., Takeuchi, T., Nonaka, T., Ksai, K. and Arata Y.: Cross-link formation between mutant galectins of <i>Caenorhabditis elegans</i> with a substituted cysteine residue and asialofetuin via a photoactivatable bifunctional reagent. / <i>Biol. Pharm. Bull.</i> 34: 929-932 (2011).</p> <p>③Itagaki, T., Nishizaki, S., Sekihashi, K., Kobayashi, H., Kidokoro, S., Kezuka, Y., Arata, Y., Hirabayashi, J., Kasai, K. and Nonaka, T.: Crystallization and preliminary X-ray crystallographic analysis of galectin LEC-1 from <i>Caenorhabditis elegans</i>. / <i>Prot. Pept. Lett.</i> 15: 419-422 (2008).</p> <p>④Kojima, M., Kezuka, Y., Nonaka, T., Hiragi, Y., Watanabe, T., Kimura, K., Takahashi, K., Yanagi, S. and Kihara, H.: SxMDView: a three-dimensional graphics program for displaying force vectors. / <i>J. Synchrotron Radiat.</i> 15: 535-537 (2008).</p> <p>⑤文部科学省科学研究費補助金 基盤研究 (C) 新規モデリング法を利用したモジュラーキチナーゼの立体構造と抗真菌機能の相関の解明 2012年～2014年</p>  |
| 毛塚 雄一郎 | 構造生物薬学講座 | 助教 | 博士（工学） | 構造生物化学          | <p>①Yoshida, Y., Sato, M., Kezuka, Y., Hasegawa, Y., Nagano, K., Takebe, J. and Yoshimura, F.: Acyl-CoA reductase PGN_0723 utilizes succinyl-CoA to generate succinate semialdehyde in a butyrate-producing pathway of <i>Porphyromonas gingivalis</i>. / <i>Arch. Biochem. Biophys.</i> 596: 138-148. (2016)</p> <p>②Ishibashi, K., Kezuka, Y., Kobayashi, C., Kato, M., Inoue, T., Nonaka, T., Ishikawa, M., Matsumura, H. and Katoh, E.: Structural basis for the recognition-evasion arms race between Tomato mosaic virus and the resistance gene Tm-1. / <i>Proc. Natl. Acad. Sci. USA</i> 111: E3486-3495. (2014)</p> <p>③Kezuka, Y., Yoshida, Y. and Nonaka, T.: Structural insights into catalysis by <math>\beta</math>C-lyase from <i>Streptococcus anginosus</i> / <i>Proteins</i> 80: 2447-2458. (2012)</p> <p>④Kezuka, Y., Abe, N., Yoshida, Y. and Nonaka, T.: Purification, crystallization and preliminary X-ray analysis of two hydrogen sulfide-producing enzymes from <i>Fusobacterium nucleatum</i>. / <i>Acta Crystallogr. F</i> 68: 1507-1510. (2012)</p> <p>⑤文部科学省科学研究費補助金 基盤研究 (C) 「課題名：歯周病原細菌による有臭有毒物質産生を抑制する化合物の探索と改良」2016年度～2018年度</p>  |
| 阪本 泰光  | 構造生物薬学講座 | 助教 | 博士（薬学） | 構造生物化学          | <p>①Sakamoto Y, Suzuki Y, Iizuka I, Tateoka C, Roppongi S, Fujimoto M, Inaka K, Tanaka H, Ohta K, Gouda H, Nonaka T, Ogasawara W and Tanaka N. : Structural and mutational analyses of dipeptidyl peptidase 11 from <i>Porphyromonas gingivalis</i> reveal the molecular basis for strict substrate specificity. / <i>Scientific Reports</i> 5:11151 (2015).</p> <p>②Nishiya N, Sakamoto Y, Oku Y, Nonaka T and Uehara Y. : JAK3 inhibitor VI is a mutant specific inhibitor for epidermal growth factor receptor with the gatekeeper mutation T790M / <i>World J. Biol. Chem.</i> 6: 409-418 (2015)</p> <p>③Sakamoto Y, Suzuki Y, Iizuka I, Tateoka C, Roppongi S, Fujimoto M, Inaka K, Tanaka H, Masaki M, Ohta K, Okada H, Nonaka T, Morikawa Y, Nakamura KT, Ogasawara W and Tanaka N. : S46 peptidases are the first exopeptidases to be members of clan PA. / <i>Scientific Reports</i> 4:4977 (2014).</p> <p>④Suzuki Y, Sakamoto Y, Tanaka N, Okada H, Morikawa Y and Ogasawara W. : Identification of the catalytic triad of family S46 exopeptidases, closely related to clan PA endopeptidases. / <i>Scientific Reports</i> 4:4292 (2014).</p> <p>⑤文部科学省科学研究費補助金 基盤研究 (C) 糖非発酵グラム陰性細菌由来ジペプチド産生酵素の創薬分子基盤 2016年度～2018年度</p> |